

# OOHW Approval Request Form

Out of hours work approval request form			
No:	Notification date:	Approval date:	Project:
11	09/07/2020		MR82 Shared Path Bridge over Newcastle Road, Jesmond
A. Contact details	Name	Mobile number	Email
Contractor Environmental Site Representative	██████████ ██████████	██████████	██
Contractor Construction Manager	██████████ ██████████	██████████	██
Contractor Foreman	██████████ ██████████	██████████	██
Contractor Project Engineer	██████████	██████████	██
<b>B. Details of work:</b> Include a map showing location of work extent and nearest sensitive receivers	Location (Chainage):		<ul style="list-style-type: none"> <li>Newcastle Rd, Coles St</li> </ul>
	NCA/s:		Works Location – <b>Refer Figure 1</b> <ul style="list-style-type: none"> <li>NCA 5 – Various Locations</li> </ul>
	Description of works:		<p><b>Relocation of Concrete Barriers;</b></p> <ul style="list-style-type: none"> <li>Remove concrete barriers located on Newcastle Road, adjacent the main compound area – Newcastle Road West Bound Direction.</li> <li>Relocate a portion of concrete barriers to the North side of Newcastle Road, East bound direction – adjacent existing bus zone.</li> </ul> <p>This activity will be undertaken during OOHW period 1 (Evening) and OOHW period 2 (Night).</p>

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	<p>Machinery/ plant to be used</p>	<p>1 x Supervisor          1 x labourer          1 x 18T Excavator (rubber tyred)          3 x Person traffic control crew          1 x Road truck          1 X lighting tower</p>
	<p>Traffic control measures required:</p>	<p>Newcastle Road eastbound shoulder and slow lane closure from NICB merge lane, extending to existing bus zone – for full duration of the permissible ROL.</p> <p>Newcastle Road west bound lane closure adjacent median, from approximately Robinson Ave to steel St – for full duration of the permissible ROL.</p> <p>Coles St - Current traffic controls will be maintained</p>
	<p>Lighting required:</p>	<p>Day maker will be required at various locations during this OOHW activity.</p> <p>Day maker will be a mobile unit and relocated during the works, to minimise the number required</p>
	<p>Proposed dates:</p>	<p>This OOHW activity is scheduled for the week commencing Monday 3<sup>rd</sup> August 2020.</p> <p>It is anticipated this activity will require two nights for completion, commencing Wednesday 5<sup>th</sup> August and concluding Friday 7<sup>th</sup> of August (morning). This includes one-night contingency.</p> <p>No works will be undertaken during the weekend evening or night period.</p>
	<p>Proposed timings:</p>	<p>Start: 7:30pm Completion: 5.00am</p>
	<p>Justification - why does work need to occur outside of standard construction hours?          (attach support information as required)</p>	<p>To remove and relocated concrete barriers in the east and west bound shoulder of Newcastle Road, Daracon will require the occupation of the east bound left hand (slow) lane and westbound left-hand lane, for delivery trucks and machinery.</p> <p>The approved ROL excludes daytime road closures, therefore works must be completed outside of the approved project working hours to comply with the approved ROL (1280316).</p>

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<p><b>C. Risk assessment</b></p>	<p><b>Noise;</b> A risk assessment has been undertaken using a noise modelling tool to predict the expected noise impact at individual receivers for this OOHW activity. The input data for noise modelling included, the location of work activity, the type and quantity of plant and equipment, and the duration of operation.</p> <p>The noise modelling data was assessed against the relevant NML's and sleep disturbance criteria to determine the risk factor in accordance with the OOHW protocol.</p> <p><b>Vibration;</b> Plant required to undertake this OOHW activity will not encroach upon the minimum safe working distances.</p> <p>All plant are tyred equipment and will be restricted to existing roads, therefore predicted vibration levels are expected to be consistent with levels generated by existing traffic.</p> <p>Vibration levels are considered to be insignificant and are not expected to exceed the vibration criteria for 'Human Comfort' (BS528-2) or 'Structural Damage' (DIN 4150-3) of property.</p>
<p><b>NML (refer Table 3-2 of OOHW protocol)</b></p>	<p><b>NCA 2:</b> Evening – 48 Night - 40</p> <p><b>NCA 3:</b> Evening – 42 Night – 35</p> <p><b>NCA 5:</b> Evening – 56 Night – 46</p>
<p><b>Is the work highly noise intensive? (above 75dB(A) LAeq (15 minute))</b></p>	<p>The noise modelling has determined that this activity will not generate high noise levels (&gt;75dB)</p>
<p><b>Risk factor category (low or high):</b></p>	<p>Low <input checked="" type="checkbox"/> High <input type="checkbox"/></p> <p>Comments</p> <p>In accordance with the risk factors nominated within OOHW protocol, this work activity is considered to be low risk due to the following;</p> <ul style="list-style-type: none"> <li>Noise modelling has indicated that there is no exceedance of the NML's, during the 'Evening Period' (OOHW Period 1) or 'Night Period' (OOHW Period 2) for this OOHW activity.</li> <li>The highest level of impact is received by residents located at 3 Kiah avenue, located within NCA 5. The predicted impact is expected to be below the relevant NML criteria for NCA 5.</li> <li>Results do not exceed the NML during this OOHW activity however Daracon has elected to notify residents by letter notification. Residents with direct view of the works will be notified, in an effort to keep the community informed and mitigate potential complaints.</li> </ul>

**D. Details of noise or vibration assessment completed:**

Comments:

***Noise Modelling;***

The noise modelling has been completed initially, by utilising the 'Noise Mitigation Tool' created by RCA (RCA Australia,) to predict sound levels at individual receivers and to allow the noise mitigation requirements to be determined in bulk. Upon further assessment of the predicted Noise levels generated by the RCA noise tool, a distance-based calculation has been applied to determine the distance of specific noise perception levels occurring at individual receivers and subsequently, to determine the mitigation measures to be implemented.

Noise modelling has been completed for OOHW period 1 and 2, then the distance-based calculation applied to provide a visual representation of the noise impact, and to assist with the distribution of notifications.

***Attenuation Applied to Modelling;***

As the noise tool provides predicted levels assuming a direct line of sight to receivers, and therefore does not consider the effects of topography or attenuation provided by physical structures (retaining wall or residential properties), noise modelling was completed again with the inclusion of attenuation measures. This was undertaken to provide a more accurate representation of the impacts to receivers and predicted sound levels, and also to reduce the required number of notifications and/or mitigations measures.

The attenuation measures applied within the supplementary noise modelling included;

- Barrier height of 4m – average height of residential property.
- Barrier height of 2 - 3m – existing retaining wall and embankment located on Newcastle Road
- Distance of barrier (m) – distance between the property closest to the noise source (at a selected location relevant to the specific work activity) and the adjacent property. This distance ranged from 10m – 30m.

The application of the above attenuation measures resulted in an average reduction of 7-10dB(A), by way of shielding from one residential property (acting as the barrier) to the next property.

***Noise Modelling Results;***

- Noise modelling has determined that this OOHW activity will not generate 'high noise' levels, that being, noise levels above (>75dB(A)).
- Predicted sound levels (dB(A)) have determined individual receivers will not be impacted by noise levels in excess of 5dB above the RBL.
- The highest level of impact for the works is located 3 Kiah Avenue (45dB), which is below the NML for NCA 5 (46dB).
- **Figure 2** – provides a visual representation of the notification area, residents will receive letter notification prior to the commencement of the OOHW.

## E. Proposed Mitigation Measures

Scheduling and staging of the works have been planned in an effort to reduce the impact upon receivers. The works will be staged to ensure any pre-works can be achieved during standard construction hours, limiting the amount and operation of plant and equipment required during the OOHW periods.

Works will be staged as follows;

### **Pre-works;**

- Mobilisation of plant and equipment (during standard work hours)

### **During Works;**

This OOHW activity will be staged as follows;

- Establishment of traffic control zones (during OOHW Period 1 – Evening only)
- Removal of redundant concrete barriers
- Relocation of required barriers to Newcastle Road (East Bound direction).

This activity will be undertaken during OOHW period 1 (Evening) and OOHW period 2 (Night). The following standard mitigation measures will be implemented during this period;

### **Standard Mitigation Measures;**

- Administrative controls, induction / toolbox consultation
- Schedule noisier work to be carried out earlier in the period where feasible
- All plant and equipment will be turned off when not in use
- All plant and equipment will be serviced regularly and operated in accordance with the manufacture's specifications
- Use of non-tonal reversing alarms (squawkers) are used instead of reversing beepers
- Radios used for communication to prevent the need for yelling
- Provide supporting noise modelling to identify impacts to receivers and relevant mitigations in accordance to QA Specification G36.
- Designated vehicle parking away from sensitive receivers
- Temporary lighting will be positioned and directed to minimize light spillage onto surrounding residential dwellings.

### **Additional Mitigation Measures;**

**Refer to Table 1** – for specific mitigation measures for individual receivers impacted by this OOHW activity. Additional mitigation measures will include;

### **Notification (N);**

Advanced warning of works and potential disruptions will assist in reducing the impact on the community. The notification will consist of a letterbox drop (or

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	<p>equivalent) detailing work activities, time periods over which these will occur, impacts and mitigation measures. Notification will be a minimum of 5 working days prior to the start of works.</p>
<b>F. Community Consultation carried out including details of community feedback and how this has been addressed</b>	<p>Residents on the project database were sent an SMS notification about the OOHW and were invited to provide feedback. This was distributed on 9 July 2020.</p> <p>Given the current ongoing circumstances regarding Covid-19 and restrictions relating to social distancing, Daracon's Community Liaison Manager has not conducted 'door knocking'.</p> <p>Impacted residents identified within the noise modelling have been contacted by phone or left a message. Seven of the eight residents who were phoned provided feedback that there were not concerned about the work.</p>

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<b>G. Respite framework – dates of previous respite periods, OOHW period 1 or 2, community agreements etc</b>	Respite to impacted residents has been considered when scheduling OOHW activities. This activity has been scheduled for 2 consecutive nights only, to minimise the impact to residents. However, the activity is expected to be completed within a single night period.		
<b>H. Details of non-residential receivers (if any) and corresponding NMLs</b>	The community liaison representative has contacted Jesmond Uniting Church, who has advised that the church has been temporarily closed from the 22 March until further notice.		
<b>I. Are there any properties at risk of exceeding the screening criteria for cosmetic damage?</b>	Plant required to undertake this OOHW activity will not encroach upon the minimum safe working distances, therefore there is no risk of exceeding the criteria for cosmetic damage. Impacts for this OOHW will be consistent with existing traffic impacts.		
<b>J. Review/ Endorsements</b>			
<b>Contractor Community Liaison Representative</b>	Community notified <span style="float: right;">Date: 9/07/2020</span>		
	The Community Liaison Representative (CLR) has completed targeted community consultation, which has included sending an SMS inviting residents to provide feedback about the work. Residents who were identified in the noise assessment as being on the criteria were contacted by phone for an individual briefing. Seven of the eight residents were able to be contacted at the time of writing and no issues were raised about the OOH work.		
	Have the works been reviewed and endorsed? <span style="float: right;">Yes / No</span>		
	Name:	Signature:	Date:
	[REDACTED]	[REDACTED]	9/07/20
Comments: No			
<b>Roads and Maritime Environmental Manager (or delegate)</b>	Agreed mitigation measures: Nil		
Have the works been reviewed and endorsed? <span style="float: right;">Yes /</span>			

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	Name:	Signature:	Date:
	██████████	██████████	17.07.20
	Comments:		
<b>Roads and Maritime Project Manager</b>	Have the works been reviewed and endorsed?		Yes / <del>No</del>
	Name:	Signature:	Date:
	██████████	██████████	17.07.2020
Comments:			
<b>ER approval (low risk activities)</b>	Are the works approved?		Yes / No
	Name:	Signature:	Date:
	██████████	██████████	22.7.2020
Comments:			
<b>Planning Secretary approval (high risk activities)</b>	Are the works approved?		Yes / No
	Name:	Signature:	Date:
Comments:			



Figure 1: Works Location



Figure 2: Notification Area



*\*Attenuated noise modelling for Night period only, as this time period has the lowest noise criteria (NML)*

*\* Noise Modelling - Assumes an average reduction of 7-10dB(A), from shielding of existing property*

## Out of hours work for the shared path bridge at Jesmond during August 2020

The NSW Government is funding the construction of a shared path bridge over Newcastle Road as part of early work for the Newcastle Inner City Bypass between Rankin Park and Jesmond.

Transport for NSW and construction partner, Daracon Contractors, started construction in November 2019.

### What are we doing?

We will be carrying out essential night work on Newcastle Road and Coles Street which involves the removal and placement of safety barriers.

We will be working between **7pm** and **6am** on **Wednesday 5 August** and we expect to complete the work in one shift, weather permitting. Work may be carried out between the same hours on Thursday 6 August if it is not completed on the first night.

Work is required outside normal project hours for the safety of workers and road users, and to minimise traffic delays.

### How will the work affect you?

The work will involve the use of machinery which generates some noise. We will make every effort to minimise noise where possible by turning off vehicles when not in use.

### Traffic changes

There will be temporary traffic changes during the removal and installation of the safety barriers to ensure the work zone is safe. Partial lane closures and a reduced 40km/h speed limit will be in place. Travel times may be affected by up to five minutes.

Please keep to speed limits and follow the direction of traffic controllers and signs. For the latest traffic updates, you can call 132 701, visit [livetraffic.com](http://livetraffic.com) or download the Live Traffic NSW App.

### Upcoming night work

We are continuing to plan for out of hours work in September 2020, weather permitting. We will provide more information on this work soon.

Number of shifts	Work activity	Equipment
One night shift.	Transportation and installation of the main bridge span.	Cranes, trucks, elevated work platform, lighting towers and traffic control.

## Contact

If you would like to provide feedback, or have any questions about this work, please contact our project team on 1800 818 433 (24 hours) or email [jesmondbridge@daracon.com.au](mailto:jesmondbridge@daracon.com.au).

For more information about the Newcastle Inner City Bypass between Rankin Park and Jesmond, visit [nswroads.work/rp2j](http://nswroads.work/rp2j) or email [rp2j.community@aurecongroup.com](mailto:rp2j.community@aurecongroup.com).

Thank you for your patience during this important work.

### Location of the night work at Jesmond



#### KEY

Work areas



If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 818 433.