

OOHW Approval Request Form

Out of hours work approval request form			
No:	Notification date:	Approval date:	Project:
15	25/09/2020		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. Details of work: Include a map showing location of work extent and nearest sensitive receivers	Location (Chainage):	<ul style="list-style-type: none"> Newcastle Rd, Coles St 	
	NCA/s:	Works Location – Refer Figure 1 <ul style="list-style-type: none"> NCA 5 – Location 1 	
	Description of works:	<p>Concrete Pouring Works;</p> <ul style="list-style-type: none"> Potential out of hours works when completing concrete deck / ramp pours. Works will consist of manual concrete finishing and clean-up of work areas. <p>This activity will be undertaken during OOHW Period 1 (Evening) only.</p> <p>In the event that OOHW proceed, no works are to occur during Period 2 (Night), in relation to this application.</p>	

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	Machinery/ plant to be used	<p>1 x lighting tower 1 x Supervisor 3-4 x Personnel</p>
	Traffic control measures required:	Nil
	Lighting required:	<p>A single lighting tower may be required at the location of work (Location 1 – Refer figure 1)</p> <p>The lighting tower will be a mobile unit and can be relocated if required, to minimize the number of units required.</p>
	Proposed dates:	<p>Concrete pouring works are expected to commence as follows;</p> <p>Concrete Pour 2 (North of Newcastle Road)</p> <ul style="list-style-type: none"> • Target Date: 28/09/2020 – 02/10/2020 • Volume: 95m³
	Proposed timings:	<p>Start: 6.00pm Completion: 8.00pm Works to occur during weekdays only (Monday to Friday).</p>
	<p>Justification - why does work need to occur outside of standard construction hours? (attach support information as required)</p>	<p>Due to the scale and complexity of concrete works required for construction of the ramps and decks of the structure, there is potential for works to proceed past standard construction hours into the evening OOH period. Concrete pouring of the structure will be completed as follows;</p> <p>The elevated ramp will be completed in a single pour for the northern ramp. This will produce a quality product with less joints in the deck if the pours were to be completed in multiple pours.</p> <p>The pour is approx. 95m³ of concrete and 175m² of finishing. The concrete is to be placed and finished to TfNSW B80 specification.</p> <p>The pour rate is approximately 16m³ per hour. The pour will likely commence at approximately</p>

		<p>8am. Therefore, placing of concrete alone will take approximately 6 hours (completion at approx. 2pm).</p> <p>Finishing the concrete will be dependent on how quickly the concrete goes off. This is variable depending on the conditions on the day. With completing the finishing plus setting up water curing that is required under the specification, there is a possibility the pour will not be completed within the approved project standard hours.</p> <p>Working into the evening period may be required to ensure the quality of construction, as required by TfNSW technical specification(s) is achieved. Additionally, working OOHW will allow adequate time to ensure the work location is properly cleaned-up and made safe prior to personnel leaving the site.</p>
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C. Risk assessment	<p>Noise; 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>Vibration; 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 predicted to exceed the vibration criteria for 'Human Comfort' (BS528-2) or 'Structural Damage' (DIN 4150-3) of property.</p>
NML (refer Table 3-2 of OOHW protocol)	NCA 5: Evening – 56
Is the work highly noise intensive? (above 75dB(A) LAeq (15 minute))	The noise modelling has determined that this activity will not generate high noise levels (>75dB)
Risk factor category (low or high):	<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"> Predictive noise modelling has indicated the RBL and NML are not exceeded during the 'Evening Period' (OOHW Period 1) for this activity.

	<ul style="list-style-type: none"> • Although results do not exceed the RBL or NML during this activity, Daracon has elected to notify residents by SMS, if OOHW proceed. • In an effort to keep the community informed and mitigate potential complaints, residents with a direct view of the works will be notified – Refer Figure 2 (Notification Area)
<p>D. Details of noise or vibration assessment completed:</p>	<p>Comments:</p> <p>Noise Modelling;</p> <p>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.</p> <p>Noise modelling has been completed for OOHW Period 1 (Evening).</p> <p>Attenuation Applied to Modelling;</p> <p>No attenuation measures have been applied to the noise modelling for this activity, as the results were below the relevant NML criteria.</p> <p>Noise Modelling Results;</p> <ul style="list-style-type: none"> • Noise modelling has determined that this OOHW activity will not generate ‘high noise’ levels, that being, noise levels above >75dBA. • Noise modelling has determined the following noise impacts, within NCA 5 during the ‘Evening Period’; <ul style="list-style-type: none"> • The highest level of impact occurs, at 2 Coles St (50dBA). • The RBL (51dBA) and NML (56dBA) are not exceeded. • The ‘Ambient’ (62dBA) far exceeds the expected noise impact for this OOHW activity.

<p>E. Proposed Mitigation Measures</p>	<p>Works will be staged as follows;</p> <p>Pre-works;</p> <ul style="list-style-type: none"> • Mobilisation of plant and equipment (during standard work hours) <p>During Works; Priority will be given to completing works during standard hours, however if works are undertaken OOH, the following will be considered;</p> <ul style="list-style-type: none"> • Working efficiently to ensure works are completed within the 'Evening' Period. • Ensuring light vehicles are not left idling and flashing lights area switch off. <p>This activity will be undertaken during OOHW period 1 (Evening) only. The following standard mitigation measures will be implemented during this period;</p> <p>Standard Mitigation Measures;</p> <ul style="list-style-type: none"> • Administrative controls, induction / toolbox consultation • All plant and equipment will be serviced regularly and operated in accordance with the manufacture's specifications • 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. <p>Additional Mitigation Measures; Refer to Table 1 – for specific mitigation measures for individual receivers impacted by this OOHW activity. Additional mitigation measures will include;</p> <p>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 equivalent) detailing work activities, time periods over which these will occur, impacts and mitigation measures. Notification occur by SMS if the OOHW works proceed.</p>
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<p>F. Community Consultation carried out including details of community feedback and how this has been addressed</p>	<p>A notification was sent to residents on 13 August to communicate upcoming OOH work, including information about the potential to extend minor work operations to 8pm. Residents were invited provide feedback.</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>In the event that the work extends beyond 6pm, residents on the project database will be sent an SMS notification to notify them about the work.</p>
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G. Respite framework – dates of previous respite periods, OOHW period 1 or 2, community agreements etc	Respite considerations are not applicable, given the noise impact is predicted to be less than background and ambient noise levels.		
H. Details of non-residential receivers (if any) and corresponding NMLs	The community liaison representative has notified Jesmond United Church about the potential OOHW and will communicate with them if the work occurs.		
I. Are there any properties at risk of exceeding the screening criteria for cosmetic damage?	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.		
J. Review/ Endorsements			
Contractor Community Liaison Representative	Community notified Date: 13/08/2020		
	The Community Liaison Representative (CLR) has distributed a notification. No residents were identified in the noise predictions as requiring an individual briefing.		
	Have the works been reviewed and endorsed? Yes / No		
	Name:	Signature:	Date:
	██████████	██████████	25/09/2020
Roads and Maritime Environmental Manager (or delegate)	Agreed mitigation measures:		
	Have the works been reviewed and endorsed? Yes / No		

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	Name:	Signature:	Date:
			28/09/2020
	Comments:		
Roads and Maritime Project Manager	Have the works been reviewed and endorsed?		Yes / No
	Name:	Signature:	Date:
			25/09/2020
Comments:			
ER approval (low risk activities)	Are the works approved?		Yes / No
	Name:	Signature:	Date:
			25/09/2020
Comments:			
Planning Secretary approval (high risk activities)	Are the works approved?		Yes / No
	Name:	Signature:	Date:
Comments:			

Figure 1: Works Location



Figure 2: Notification Area



**No attenuation measures have been applied to noise modelling, for this OOHW activity.*