

RP2J Project OOHW application form

Out of hours work approval request form			
No:	Notification date:	Approval date:	Project:
14	24/09/2020		MR82 Shared Path Bridge over Newcastle Road, Jesmond
A. Contact details	Name	Mobile number	Email
Contractor Environmental Site Representative	James Douglas	██████████	████████████████████
Contractor Construction Manager	Sebastian Farrell	██████████	████████████████████
Contractor Foreman	Nathan Mills	██████████	████████████████████
Contractor Project Engineer	Tony Trajkov	██████████	████████████████████
B. Details of work:			
Include a map showing location of work extent and nearest sensitive receivers			
Location / chainages:	Newcastle Road – Chainage 330: – Refer Appendix 1 (Figure 1)		
NCA/s:	NCA 5 & NCA 3		

Out of hours work approval request form

<p>Description of works – also include a brief description of the sequence of activities:</p>	<p>Bridge Ancillary Works;</p> <ul style="list-style-type: none"> • Electrical works and lighting installation • Preparation for fencing installation and concrete mowing strip <p>These works are to be completed over two nights, as follows;</p> <p>Shift 1;</p> <ul style="list-style-type: none"> • Establish traffic control and road closures on Newcastle Road; • Mobilise elevated working platforms and lighting towers; • Undertake excavation works for preparation of fencing and mowing strip installation; • Electrical subcontractor to undertake electrical fit out on bridge span; • Remove traffic controls and re-open Newcastle road closures. <p>Shift 2;</p> <ul style="list-style-type: none"> • Establish traffic control and road closures on Newcastle Road; • Mobilise elevated working platforms and lighting towers; • Pour concrete in preparation for fencing installation; • Electrical subcontractor to complete electrical fit out and lighting installation on bridge span; • Remove traffic controls and re-open Newcastle road closures. <p>The closure of Newcastle Rd East bound left hand (slow) lane and West bound left hand (slow) lane, will commence from 7:30pm in accordance with the approved ROL.</p> <p>Bridge ancillary works will occur during OOHW Period 1 (evening) and OOHW Period 2 (night). Works will commence from 8:00pm following the implementation of the required traffic closures and are expected to be completed by 5.00am.</p>
<p>Machinery/ plant to be used</p>	<p>2 x Elevated work platform 3 x Lighting Tower 1 x 5t Excavator 1 x Tipper Truck 1 x Concrete truck 5 x Light Vehicles</p>
<p>Traffic control measures required:</p>	<p>The traffic control scheme will comprise 2 x single lane road closures on Newcastle Road, as follows;</p> <ul style="list-style-type: none"> • Newcastle Road East bound; east bound left hand (slow) lane closure from approximately Hill Street to Steel Street intersection. • Newcastle Road West bound; west bound left hand (slow) lane closure from Robinson Avenue Intersection to Approximately 100m west of the Bridge span. <p>2 x traffic controllers located on Newcastle Road (east and west bound) will be utilised to manage the required road closures.</p>
<p>Lighting required:</p>	<p>Two lighting towers will be required at the work location and an additional lighting tower will be required at the site compound location.</p> <p>Consideration will be given to the placement and direction of lighting towers, to mitigate light spillage onto residential property.</p>

Out of hours work approval request form

Proposed dates:	This OOHW activity is scheduled to commence on 26 October 2020, weather permitting. It is anticipated this activity will require two (consecutive) nights for completion. No works will be undertaken during weekend evening or night periods.
Proposed times:	Start: 7:30pm Completion: 5.00am
Justification - why does work need to occur outside of standard construction hours?: (attach support information as required)	<p>This activity requires working at heights to access the bridge span and plant to be operating within the road corridor to complete the task.</p> <p>Subsequently, Daracon will require occupation of the east bound left hand (slow) lane and west bound left hand (slow) lane; to facilitate elevated working platforms, plant and delivery trucks to complete the works.</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.</p>

C. Risk assessment

NML	<p>NCA 5: Evening – 56 Night – 46</p> <p>NCA 3: Evening – 42 Night – 35</p>
Is the work highly noise intensive? (above 75dB(A) L_{Aeq} (15 minute))	<p><i>If yes, the work cannot proceed out of hours unless permitted by an EPL;</i></p> <p>No - Noise modelling has determined that this activity will not generate high noise levels (>75dB)</p>
Risk factor category (refer section 4.3 of OOHW protocol):	<p>Low <input checked="" type="checkbox"/> High <input type="checkbox"/></p> <p><i>Comments:</i></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"> • Work is predicted to generate air-borne noise levels 25dBA or less above the relevant RBL. • Work will occur: 1800 – 2200 weekdays • Work will occur: 2200 – 0700 Weeknights

D. Details of noise or vibration assessment completed:

Out of hours work approval request form

Comments:

Noise Assessment; 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.

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

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 to facilitate targeted notifications and the application of appropriate mitigation measures corresponding with predicted impacts.

The attenuation measures applied within the supplementary noise modelling included;

- Barrier height of 4m – average height of residential property (with direct line of sight to the work activity)
- 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 20m – 40m.

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 - Refer Appendix 1 – (Table 1);

- 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;
 - Multiple receivers are predicted to receive noise impacts greater than 5dBA above the RBL
 - The highest level of impact within NCA 5 occurs, at 2A Coles St (64dBA).
 - The highest level of impact within NCA 3 occurs, at 10 Steel St (54dBA).

It must be noted that the noise modelling presents a worst-case scenario, as modelling assumes all activities and equipment are occurring concurrently. The highest noise impact is expected to occur for a short duration during shift 1, when excavation and concrete works are occurring concurrently with the bridge electrical works.

Refer Appendix 1 (Figure 2) – provides a visual representation of the notification area, residents will receive letter notification prior to the commencement of the OOHW.

Vibration Assessment; Plant required to undertake this OOHW activity will not encroach upon the minimum safe working distances.

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.

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.

E. Proposed mitigation measures, including respite

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.

Pre-works;

- Consultation briefing with project team.
- Mobilisation of plant and equipment during standard hours, where possible.
- Preparation of works areas, where possible.

During Works;

OOHW works will be staged as follows;

- Establish traffic control
- Implement required road closures on Newcastle Road;
- Mobilise elevated working platforms and lighting towers;
- Undertake excavation works for preparation of fencing and mowing strip installation;
- Electrical subcontractor to undertake electrical fit out on bridge span;
- Site clean-up and make work areas safe
- Remove traffic controls
- Re-open Newcastle Road closures.

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 Appendix 1 (Table 1) – for specific mitigation measures for individual receivers impacted by this OOHW activity. These 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 equivalent) detailing work activities, time periods over which these will occur, impacts and mitigation measures. Notification occur by SMS if the OOHW works proceed.

Individual Briefings (IB);

Individual briefings will be used to inform stakeholders about the impacts of high noise activities and mitigation measures that will be implemented. Project representatives will visit identified stakeholders at least 48 hours

Out of hours work approval request form

ahead of potentially disturbing construction activities. Individual briefings provide affected stakeholders with personalised contact and tailored advice, with the opportunity to comment on the project. Where the resident cannot be met with individually then an alternative form of engagement should be used.

Verifications (V);

Noise and/or vibration levels are checked by taking site measurements. This will be in response to a complaint or to confirm a safe vibration working distance.

It should be noted that there may be personal circumstances among the sensitive receivers where the above approach to specific additional mitigation measures is not best suited. The Community Liaison Relations Manager has the authority to amend the above approach taking into account due consideration of the personal circumstances that may apply.

F. Community consultation

Outline consultation undertaken for the proposed OOHW:

A notification regarding the planned OOHW was sent to residents on 13 August or 2 September. Residents were invited provide feedback. No feedback about the OOH work has been received as at 23/9/2020.

Given the current ongoing circumstances regarding Covid-19 and restrictions relating to social distancing, Daracon's Community Liaison Representative (CLR) has not conducted 'door knocking'. Individual briefings will be completed by phone.

Has respite periods for OOHW been identified with the affected community on a monthly basis and a three-month schedule of likely OOHW provided (refer CoA E29)?

Appropriate respite periods have been identified in consultation with potentially impacted residents on a monthly basis. Consultation has included;

- Provision of a three-month schedule of OOHW works (refer - **Appendix 2**) – which provides specific information regarding the proposed OOHW activities.
- A notification letter will be provided, at least five days prior to the commencement of works (refer – **Appendix 3** – draft notification letter pending approval).

Has the outcome of community consultation, the identified respite periods and scheduling of likely OOHW been provided to the ER, EPA and Planning Secretary?

The OOHW schedule is provided to the ER and Planning Secretary on a monthly basis. TfNSW also provides further detail on community consultation and respite to the ER and Planning Secretary through the OOHW application process when relevant to the OOHW, and when approval is sought. The EPA will be provided with relevant information through the six-monthly compliance reporting process by TfNSW.

G. Respite framework

Outline any previous respite within the last month and the status of community agreements (where relevant)?

Respite to impacted residents has been considered when scheduling OOHW activities.

There will have been one OOHW occasion (bridge installation - 10/10/20), of one night's duration during the month of October and therefore no requirement to initiate respite offer period 1, or respite offer period 2 mitigation measures for this activity.

This activity has been scheduled for 2-nights duration only, therefore respite is not considered necessary for this OOHW activity.

Out of hours work approval request form

Have cumulative impacts from OOHW permitted by an EPL been considered during the development appropriate respite?

N/A

H. Details of non-residential receivers (if any) and corresponding NMLs

Comments:

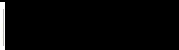

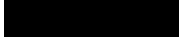
The community liaison representative briefed Jesmond United Church on 3 September about upcoming OOHW. No issues were raised by the Church about the work.

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.

The 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.

I. Review/ Endorsements

Contractor Community Liaison Representative	Community notified	Date: 13/08/2020 or 02/09/2020	
	Additional consultation requirements: The Community Liaison Representative (CLR) has distributed a notification to advise residents about the work and invite feedback. A notification will be distributed a week before the OOHW. The CLR will brief near neighbours about the work.		
	Have the works been reviewed and endorsed? Yes / No		
	Name:	Signature:	Date:
	Louise Neville		23/09/2020
	Comments:		
Transport for NSW Environmental Manager (or delegate)	Agreed mitigation measures:		
	Have the works been reviewed and endorsed? Yes / No		
	Have the works been approved where neither low or high risk? Yes / No		
	Name:	Signature:	Date:
	Andrew Grainger		26/10/2020
Comments:			
Transport for NSW Project Manager	Have the works been reviewed and endorsed? Yes / No		
	Have the works been approved where neither low or high risk? Yes / No		
	Name:	Signature:	Date:
Michael Edwards		26/10/2020	

Out of hours work approval request form

	Comments:		
ER approval (low risk activities)	Are the works approved? Yes / No		
	Name:	Signature:	Date:
	Simon Williams		26/10/2020
	Comments:		
Planning Secretary approval (high risk activities)	Are the works approved? Yes / No		
	Name:	Signature:	Date:
	Comments:		

Appendix 1 – Noise Modelling and Consultation Record

Figure 1: Work Location

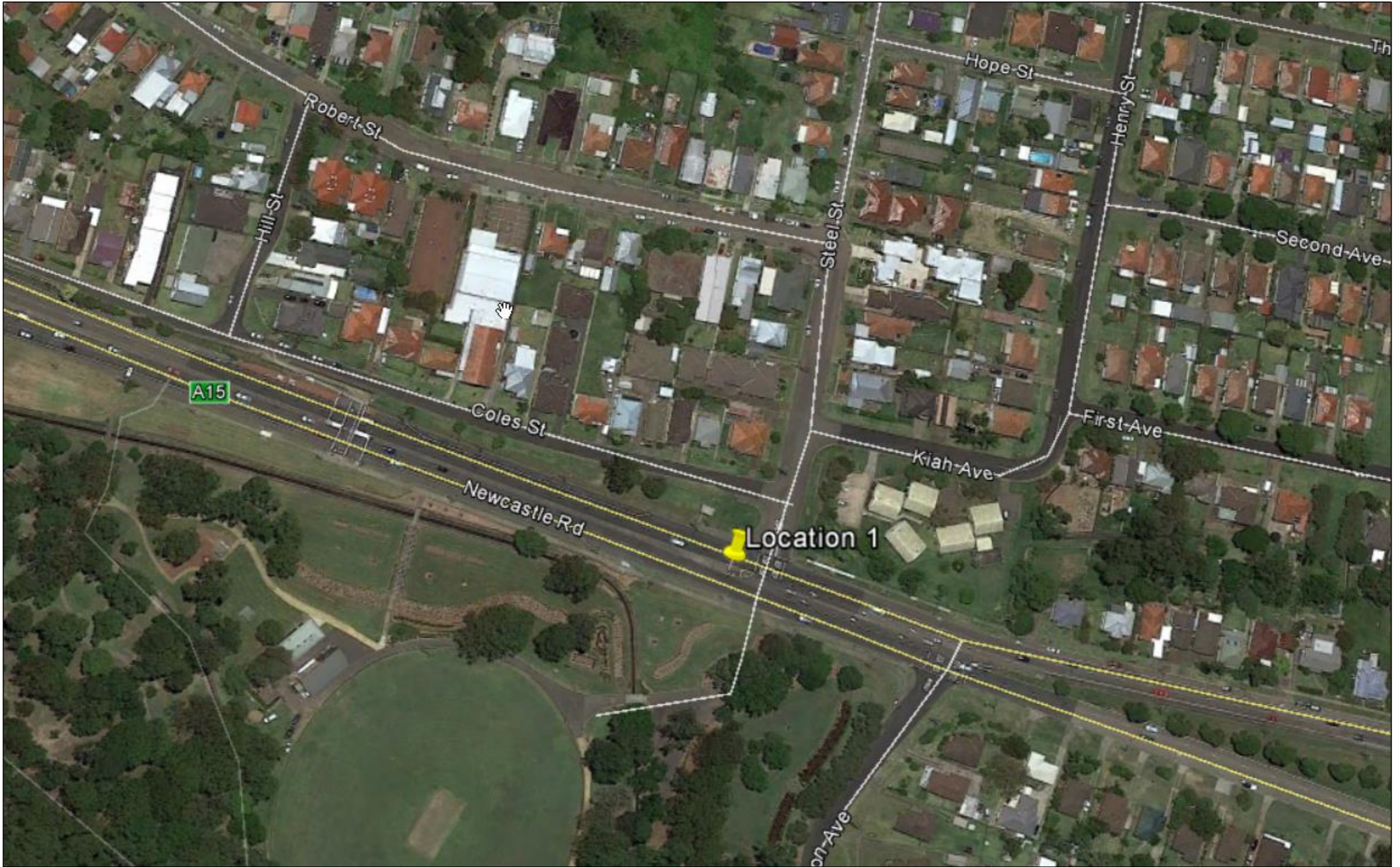


Figure 2: Notification Area



**Attenuated noise modelling has been applied to provided attenuation from existing property / structures.
* Noise Modelling - Assumes an average reduction of 7-10dB(A), from shielding of existing property*

Appendix 2 – OOHW Schedule

Out of hours work for the shared path bridge at Jesmond between October and November 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 asphaltting the road, placement and removal of safety barriers, and concreting for the bridge.

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

Below is a list of upcoming planned out of hours work activity between October and November 2020, weather permitting.

Month	Work activity	Equipment
October	Installation of bridge <i>One night</i>	Large crane, trucks, lighting towers and traffic control
	Bridge fit-out work <i>Two nights</i>	Elevated work platform, lighting towers and traffic control
	Asphaltting <i>Two nights</i>	Asphalt paver, rollers, trucks, lighting towers and traffic control
	Barrier relocations <i>One night</i>	Excavator, mobile crane, trucks, lighting towers and traffic control
	Concrete pour next to Newcastle Road <i>Two nights</i>	Concrete trucks, lighting towers and traffic control
November	Asphaltting <i>Three nights</i>	Asphalt paver, rollers, trucks, lighting towers and traffic control
	Barrier removal <i>One night</i>	Excavator, mobile crane, truck, lighting towers and traffic control

We are also planning to complete a number of large concrete pours between August and October which may extend up to 8pm due to concrete supply and production methods. This work is not expected to be noisy for nearby residents. We will continue to keep nearby residents informed as this work approaches.

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 and turning off vehicles when not in use.

Traffic changes

There will be some 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 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 or download the Live Traffic NSW App.

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.

For more information about the Newcastle Inner City Bypass between Rankin Park and Jesmond, visit rms.nsw.gov.au/rp2j or email rp2j.community@aurecongroup.com.

Thank you for your patience during this important work.



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.

Appendix 3 – OOHV Notification Letter

Out of hours work for the shared path bridge at Jesmond in October 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 which involves electrical fit out for the new bridge and concreting for a safety barrier.

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

We will be working between **7pm and 6am** from **Monday 26 October** and expect to complete the work in two nights, weather permitting.

Below is a list of upcoming planned out of hours work activity in November and December 2020.

Month	Work activity	Equipment
November	Asphalting <i>Three nights</i>	Asphalt paver, rollers, trucks, lighting towers and traffic control
	Barrier relocations <i>One night</i>	Excavator, mobile crane, truck, lighting towers and traffic control
	Decommissioning of traffic signals <i>One night</i>	Excavator, elevated work platform, trucks, lighting towers and traffic control
December	Barrier removal <i>One night</i>	Excavator, mobile crane, truck, lighting towers and traffic control

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 and turning off vehicles when not in use.

Traffic changes

There will be some temporary traffic changes to ensure the work zone is safe. Partial lane closures and a reduced 40km/h speed limit will be 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 or download the Live Traffic NSW App.

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.

For more information about the Newcastle Inner City Bypass between Rankin Park and Jesmond, visit rms.nsw.gov.au/rp2j or email rp2j.community@aurecongroup.com.

Thank you for your patience during this important work.

Location of work at Jesmond



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.