

# RP2J Project OOHW application form

| Out of hours work approval request form                                       |   |                |  |
|---|---|----------------|--|
| No:   | Notification date:  | Approval date: | Project:   |
| 17  | 23/10/2020  |                | 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: CH120 – CH210 – <i>Refer Appendix 1 (Figure 1)</i> |                |  |
| NCA/s:  | NCA 5   |                |  |

## Out of hours work approval request form

Description of works – also include a brief description of the sequence of activities:

### **Traffic Light Decommissioning and Concrete Median Works – includes the following scope of works;**

- Install concrete barriers (F Type) for stage 2 works (further west on Newcastle Road);
- Decommission existing traffic lights located on Newcastle Road;
- Form and pour concrete median and ramp.

These works are to be completed over two nights, with an additional night provided as contingency for inclement weather as follows;

#### **Shift 1 – Monday 16<sup>th</sup> November;**

- Mobilise excavator and lighting towers (during standard hours);
- Complete pre-start briefings with project teams;
- Establish traffic control on Newcastle Road and implement road closures;
- Commence installation of concrete barriers and decommission traffic lights;
- Remove traffic controls;
- Re-open Newcastle Road lane closure.

#### **Shift 2 – Tuesday 17<sup>th</sup> November;**

- Mobilise lighting towers (during standard hours);
- Complete pre-start briefings with project teams;
- Establish traffic control on Newcastle Road and implement road closure;
- Form and pour concrete median and ramp;
- Remove traffic controls;
- Re-open Newcastle Road lane closure.

#### **Shift 3 – Wednesday 18<sup>th</sup> November;**

- This night has been scheduled as contingency for inclement weather impacting this OOHW activity.

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 control measures and road closures. Works are expected to be completed by 2.00am.

Machinery/ plant to be used

3 x lighting towers  
 1 x Excavator (rubber tyred)  
 1 x Semi trailer truck  
 3 x light Vehicles  
 1 x Concrete agitator truck  
 1 x Quick cut saw  
 1 x Jack hammer

## Out of hours work approval request form

|  |  |
|--|--|
| <p>Traffic control measures required:</p>  | <p>The traffic control scheme will comprise multiple (single) lane closures as the works are completed. Closures will be implemented as follows;</p> <p><b>Shift 1:</b></p> <ul style="list-style-type: none"> <li>Newcastle Road east bound left hand (slow) lane – whilst concrete barriers installed, and traffic lights decommissioned;</li> <li>Newcastle Road west bound left hand (slow) lane – whilst traffic lights are decommissioned.</li> </ul> <p><b>Shift 2:</b></p> <ul style="list-style-type: none"> <li>Newcastle Road west bound right hand (fast) lane and east bound right hand (fast) lane – whilst concrete median is completed.</li> <li>Newcastle Road west bound left hand (slow) lane – whilst concrete ramp is completed.</li> </ul> <p>Road closures will be implemented from approximately: Project chainage 60 – 300.</p> |
| <p>Lighting required:</p>  | <p>Three 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>  |
| <p>Proposed dates:</p>   | <p>This OOHW activity is scheduled for the week commencing Monday 16<sup>th</sup> November 2020. It is anticipated this activity will require two nights for completion. The works are scheduled as follows;</p> <ul style="list-style-type: none"> <li>Shift 1 – Monday 16<sup>th</sup> November;</li> <li>Shift 2 – Tuesday 17<sup>th</sup> November;</li> <li>Shift 3 – Provided for contingency only, no OOHW works are anticipated;</li> </ul> <p>No works will be undertaken during the weekend evening or night period.</p> <p>If the above dates can not be achieved due to inclement weather or an unexpected delay occurs, works will be rescheduled for the following week (23<sup>rd</sup> and 24<sup>th</sup> November).</p>  |
| <p>Proposed times:</p>   | <p>Start: 7:30pm Completion: 2.00am</p>  |
| <p>Justification - why does work need to occur outside of standard construction hours?:<br/>(attach support information as required)</p> | <p>This activity requires occupation of Newcastle Road (west and east bound), to facilitate the installation of concrete barriers, to decommission the traffic lights and to complete the infilling of the existing median.</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>   |
| <p><b>C. Risk assessment</b></p>   |  |
| <p><b>NML</b></p>  | <p><b>NCA 5:</b></p> <p>Evening – 56</p> <p>Night – 46</p>   |

## Out of hours work approval request form

**Is the work highly noise intensive? (above 75dB(A)  $L_{Aeq}$  (15 minute))**

*If yes, the work cannot proceed out of hours unless permitted by an EPL;*  
No - Noise modelling has determined that this activity will not generate high noise levels (>75dB)

**Risk factor category (refer section 4.3 of OOHW protocol):**

Low  High

*Comments:*

In accordance with the risk factors nominated within OOHW protocol, this work activity is considered to be low risk due to the following;

- Work is predicted to generate air-borne noise levels no more than 25dBA or less above the RBL;
- Works will occur;
  - 1800 – 2200 weekdays
  - 2200 – 0700 weekdays

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

*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.

## Out of hours work approval request form

### **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 and newly constructed 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 18 Coles St (56 dBA).

**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

## Out of hours work approval request form

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;

#### **Shift 1:**

- Establish traffic control – 7.30pm;
- Implement the required road closures on Newcastle Road;
- Complete concrete cutting works at traffic lights. These works are scheduled to be completed during the evening (Period 1) period only;
- Decommission traffic lights and remove;
- Install concrete barriers – North side of Newcastle Road;
- Site clean-up and make work areas safe;
- Remove traffic controls;
- Re-open Newcastle Road closures – anticipated 2:00am.

#### **Shift 2:**

- Establish traffic control – 7.30pm;
- Implement the required road closures on Newcastle Road;
- Complete concrete works, infill existing median and pour ramp;
- Site clean-up and make work areas safe
- Remove traffic controls;
- Re-open Newcastle Road closures – anticipated 2:00am.

#### **Shift 3:**

- Provided as contingency for potential inclement weather delays only. No works are anticipated to be undertaken OOH.

Each activity will be undertaken during OOHW period 1 (Evening) and OOHW period 2 (Night), with works expected to be completed by 2:00am. The following standard mitigation measures will be implemented during this period;

## Out of hours work approval request form

### **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.

### **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.

### **Duration Respite (DR);**

Respite offers and respite periods 1 and 2 may be counterproductive in reducing the impact on the community for longer duration projects. In this instance and where it can be strongly justified it may be beneficial to increase the work duration, number of evenings of nights worked through Duration Respite so that the project can be completed more quickly.

The project team should engage with the community where noise levels are expected to exceed the NML to demonstrate support for Duration Respite (various types or lengths of respite offered).

## F. Community consultation

## Out of hours work approval request form

*Outline consultation undertaken for the proposed OOHW:*

*Notification* - A notification regarding the planned OOHW was sent to residents on 13 August or 2 September, which provided a three-month schedule of upcoming activities. Residents were invited provide feedback on the planned OOHW activities. Currently no feedback regarding this OOHW has been received, as at 21/10/2020. An additional notification letter will be provided, at least five days prior to the commencement of the activity.

Based on the predicted noise impacts individual briefings are not required for this activity, however the CLR had an opportunity to communicate this OOHW activity when undertaking briefings and seeking community agreements for the previous OOHW (asphalt works occurring 2<sup>nd</sup> November). No concerns were raised or negative feed back received in relation to this OOHW during community consultation.

*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)?*

*Previous Respite;*

OOHW undertaken during November will include;

- 4 nights – Milling and Asphalt works (scheduled 2 – 6/10/20).
- Duration respite and a single night reprieve from OOHW will be applied to this activity.

*Current Respite Considerations;*

Duration Respite – As this activity is not separated by a week or more from the previous OOHW activity, duration respite will be applied to minimise the impact to the community. The proposed schedule for these works and the implementation of duration respite has been discussed with impacted receivers whilst completing community consultation for this activity and previous OOHW activities. The benefits of achieving these works under duration respite, effectively expediting the OOHW schedule was explained to impacted residents and was well received. No concerns or issues have been raised with the proposed works schedule and no negative feedback has been received during community consultation efforts.

*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



## Out of hours work approval request form

**Comments:**

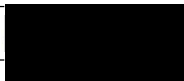
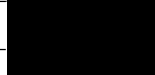

The CLR has consulted Jesmond United Church on 3 September about upcoming OOHW. No issues were raised by the Church about the work. The church will be issued a notification letter prior to the commencement of works.

### I. Are there any properties at risk of exceeding the screening criteria for cosmetic damage?

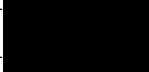
Plant required to undertake this OOHW activity will not encroach upon the minimum safe working distances, therefore there is no risk of exceeding the criteria for cosmetic damage. Impacts for this OOHW will be consistent with existing traffic impacts.

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

|  |   |   |            |
|--|---|---|------------|
| <b>Contractor Community Liaison Representative</b>           | Community notified  | Date: 13/08/2020 or 02/09/2020  |            |
|  | Additional consultation requirements:<br>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. |   |            |
|  | Many residents had the opportunity to discuss this activity when completing consultation (Individual briefings & Community Agreements) for the previous OOHW activity and no concerns were raised.                                    |   |            |
|  | Have the works been reviewed and endorsed?  |   | Yes / No   |
|  | Name:   | Signature:  | Date:      |
|  | Louise Neville  |  | 21/10/2020 |
| Comments:  |   |   |            |
| <b>Transport for NSW Environmental Manager (or delegate)</b> | 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   |  | 09/11/2020 |
| Comments:  |   |   |            |
| <b>Transport for NSW Project Manager</b>                     | 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  |   | 06/11/2020  |            |

## Out of hours work approval request form

|   |   |   |            |
|---|---|---|------------|
|   | Comments:   |   |            |
| <b>ER approval (low risk activities)</b>                  | Are the works approved? <input checked="" type="radio"/> Yes / No |   |            |
|   | Name:   | Signature:  | Date:      |
|   | Simon Williams  |  | 12/11/2020 |
|   | Comments:   |   |            |
| <b>Planning Secretary approval (high risk activities)</b> | Are the works approved? Yes / No                                  |   |            |
|   | Name:   | Signature:  | Date:      |
|   |   |   |            |
|   | Comments:   |   |            |

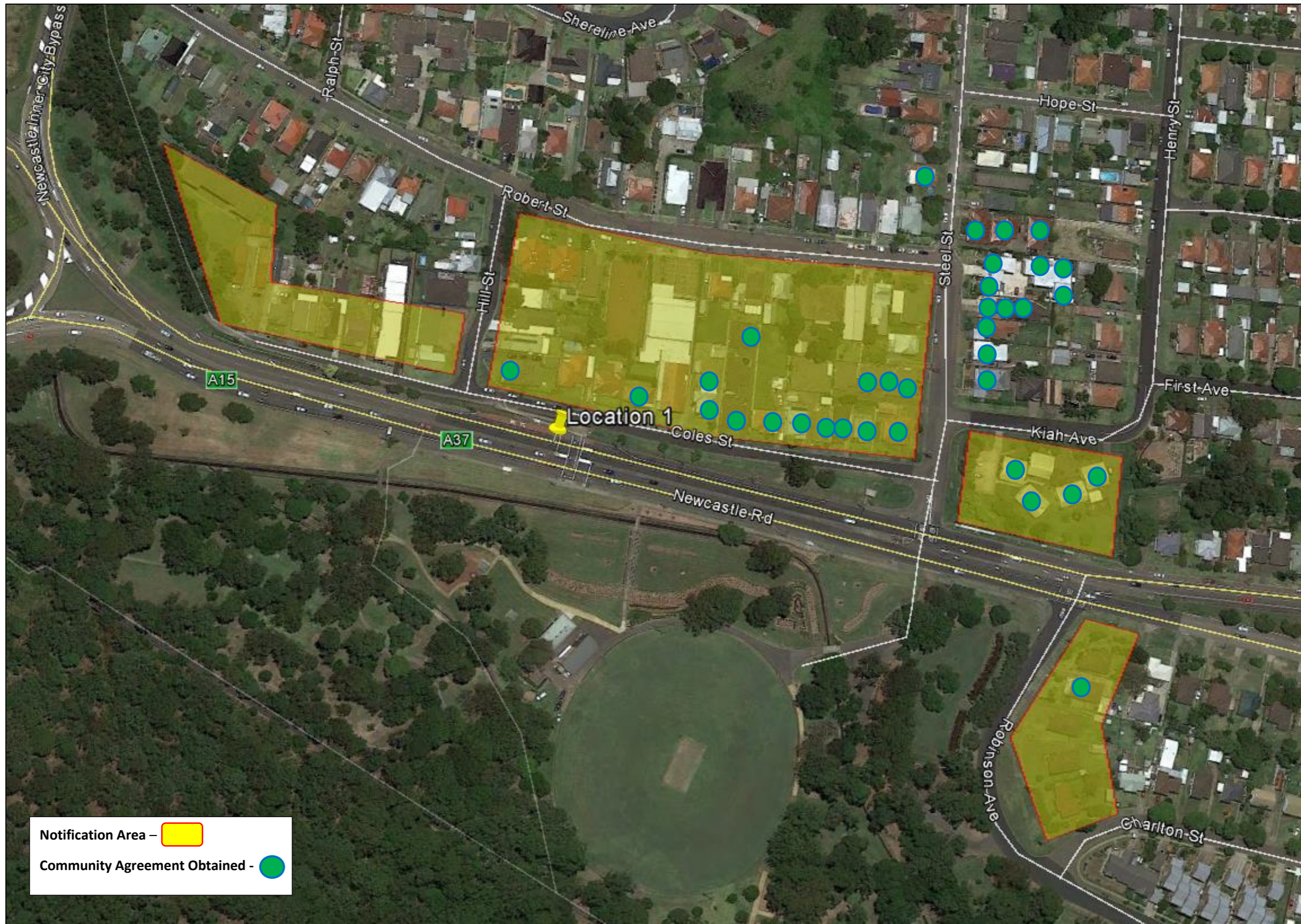
## Appendix 1 – Noise Modelling and Consultation Record

---

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 in December 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 asphaltting, line-marking and removal of barriers.

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 in December 2020.

| Month    | Work activity                                     | Equipment   |
|----------|---|---|
| December | Barrier removal<br><i>One night</i>               | Excavator, mobile crane, truck, lighting towers and traffic control                         |
|          | Asphaltting and line-marking<br><i>Two nights</i> | Asphalt pavers, rollers, line-marking machinery trucks, 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.

Directly affected residents will be contacted and advised of the likely impact and what we are doing to minimise disruption during the work.

### 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](http://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](mailto:jesmondbridge@daracon.com.au).

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



## Appendix 3 – OOHV Notification Letter

---

## Out of hours work for the shared path bridge at Jesmond in 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 which involves asphaltting, relocating barriers and removing pedestrian traffic lights.

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

We will be working on the following nights between **7pm and 6am** on Newcastle Road, weather permitting. If wet weather prevents the work occurring as planned it will be rescheduled and local residents will be notified.

| Date                                 | Work activity  | Equipment  |
|--------------------------------------|--|--|
| Monday 2 November                    | Removing road surface (milling)<br><i>One night</i>    | Milling machine, trucks, lighting towers and traffic control                   |
| Tuesday 3 November                   | Removing barriers<br><i>One night</i>                  | Excavator, mobile crane, truck, lighting towers and traffic control            |
| Thursday 5 and Friday 6 November     | Asphaltting<br><i>Two nights</i>                       | Asphalt pavers, rollers, trucks, lighting towers and traffic control           |
| Tuesday 10 and Wednesday 11 November | Decommissioning of traffic lights<br><i>Two nights</i> | Excavator, elevated work platform, trucks, 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 turn 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 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.

## Contact

If you have any questions or feedback 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 [rms.nsw.gov.au/rp2j](http://rms.nsw.gov.au/rp2j) or email [rp2j.community@aurecongroup.com](mailto: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.