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YERONG CREEK – CONSTRUCTION NOISE AND VIBRATION IMPACT STATEMENT ADDENDUM

A2I | Albury to Illabo

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**A21 | ALBURY TO ILLABO
YERONG CREEK – CONSTRUCTION NOISE AND VIBRATION IMPACT STATEMENT ADDENDUM**

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GLOSSARY

Specific terms and acronyms used throughout this plan are listed and described in Table 1 below.

TABLE 1: DEFINITIONS

TERM	DEFINITION
A2I	Albury to Illabo section of the Inland Rail project
CA	Consistency Assessment
CNVIS	Construction Noise and Vibration Impact Statement
CNVIS Addendum	This document
EWP	Elevated work platform
km	Kilometres
m	Metres
NML	Noise Management Level
OOH	Out-of-hours
Project	Albury to Illabo project approved under section 5.19 of the EP&A Act on 8 October 2024, as modified on 13 August 2025
RBL	Rating Background Level
SLR Predict	A2I noise and vibration management tool
T	Tonnes
W.001	Work Scenario 1 – Site establishment activities
W.006	Work Scenario 6 – Track tamping
Yerong Creek CNVIS	Yerong Creek Yard Clearances Construction Noise and Vibration Impact Statement (Doc No. 6-0052-210-EEC-G3-AS-0001)

1 INTRODUCTION

1.1 Purpose of this Addendum

This Construction Noise and Vibration Impact Statement Addendum (CNVIS Addendum) has been prepared to identify and assess the revised work areas and increased plant and equipment required to support and enable the wider scope of activities associated with the Yerong Creek Yard clearances enhancement site (Yerong Creek), as shown in Figure 1 and Figure 2 below.

This Addendum will form part of the endorsed Construction Noise and Vibration Impact Statement (CNVIS) (Doc No: 6-0052-210-EEC-G3-AS-0001) for Yerong Creek. This Addendum should be reviewed in conjunction with the CNVIS for Culcairn Yard, including adopted Rating Background Levels (RBL), Noise Management Levels (NML) and assessment criteria in accordance with the Conditions of Approval (CoA) (SSI-10055).

The following figures identify the scenarios assessed in this CNVIS Addendum:

Figure 1:

- W.001 – revised work area for site establishment activities. The assessed area includes areas assessed in the endorsed CNVIS

Figure 2:

- W.006 – revised work area and inclusion of additional equipment for track tamping activities. The assessed area includes the area assessed in the endorsed CNVIS.

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FIGURE 1: REVISED WORK AREA FOR W.001 (YERONG CREEK CNVIS ADDENDUM)

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FIGURE 2: REVISED WORK AREA FOR W.006 (YERONG CREEK CNVIS ADDENDUM)

2 NOISE ASSESSMENT

The potential construction noise levels from the proposed works have been predicted using SLR Predict, the A2I project-specific noise and vibration tool. This CNVIS Addendum assesses the work scenarios identified in Table 2.

TABLE 2: WORK SCENARIO DESCRIPTION

ID	Scenario	Description	Total Lw
W.001	Site establishment activities	<ul style="list-style-type: none"> ▪ Site compound delivery and set up ▪ Access road and laydown construction 	115
W.006	Track tamping	<ul style="list-style-type: none"> ▪ Track tamping work following track work 	117

2.1 Site establishment activities (W.001)

2.1.1 Scope

The additional work area required at Yerong Creek forms part of the wider scope of work associated with the Yerong Creek Yard clearances enhancement site (Yerong Creek) and will enable site establishment works such as construction of access tracks, line marking, traffic signposts and median strip works.

This CNVIS Addendum has assessed a revised work area, which consists of the work area identified in the endorsed CNVIS and additional work area identified in Yerong Creek Supporting Works (565.350) Consistency Assessment (CA) (Doc No: 6-0052-210-EAP-G3-AS-0001).

The revised work area will be assessed using SLR Predict, the A2I noise and vibration management tool, with the following noted (as per the endorsed CNVIS):

Activity

- Site compound delivery and set up
- Access road and laydown construction

Plant and equipment

- Articulated dump truck (23T)
- Crane (mobile)
- Elevated work platform
- Excavator – slasher (Lw is equal to 20T tracked excavator)
- Front end loader
- Generator
- Hand tools (electric)
- Hand tools (power) (Lw is equal to hand tools (electric))
- Light vehicles
- Roller – static
- Tractor – slasher
- Truck – medium rigid (20T)
- Truck & dog
- Watercart

Construction hours

- Standard approved construction hours:
 - 7am to 6pm Monday to Friday, inclusive
 - 7am to 6pm Saturday.
- Daytime out-of-hours (OOH):

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- 8am to 6pm Sunday and Public Holidays.

2.1.2 Assessment

The revised work area has been assessed utilising SLR Predict. The full plant and equipment list (as per the endorsed CNVIS) has been considered as a worst-case scenario within a 15-minute assessment period. The operating time (utilisation %) of each plant and equipment has remained the same as per the endorsed CNVIS.

2.1.3 Results

The SLR Predict results are presented in Appendix A, for daytime out of hours, as the most affected period.

Table 3 provides a summary of the exceedances identified through various assessments. It compares the following:

- W.001 exceedances identified in the Yerong Creek CNVIS
- W.001 exceedances identified in the SLR Predict results for the revised work area shown in Figure 1.

TABLE 3: EXCEEDANCE COMPARISONS FOR W.001 (DAY OOH)

ASSESSMENT RESULTS	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.001	SLR Predict – W.001 (revised work area)
Total Lw (dBA)	115	115
Noticeable (1-5 dB)	9	3
Clearly Audible (6-15 dB)	41	29
Moderately Intrusive (16-25 dB)	19	16
Highly Intrusive (>25 dB)	2	10

Table 3 shows an increase in the intensity of impacts resulting from the current proposed scenario (last column), likely due to the increased size of the work area and closer proximity to receivers.

2.2 Track tamping (W.006)

2.2.1 Scope

The revised work area required at Yerong Creek forms part of the wider scope of work associated with the Yerong Creek Yard clearances enhancement site (Yerong Creek) and will enable track tamping. This CNVIS addendum has assessed an additional work area and additional plant/equipment identified in Yerong Creek Supporting Works (565.350) Consistency Assessment (CA) (Doc No: 6-0052-210-EAP-G3-AS-0001) as well as the area originally assessed in the endorsed CNVIS.

The revised work area and additional plant/equipment (front end loader and hi-rail excavator) will be assessed using SLR Predict, the A21 noise and vibration management tool, with the following noted (as per the endorsed CNVIS):

Activity

- Track resurfacing works / track tamping

Plant and equipment

- Ballast tamper
- Ballast regulator
- Front end loader
- Hi-rail excavator

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Construction hours

- Standard approved construction hours:
 - 7am to 6pm Monday to Friday, inclusive
 - 7am to 6pm Saturday.
- Daytime OOH:
 - 8am to 6pm Sunday and Public Holidays.
- Evening OOH:
 - 6pm to 10pm Monday to Sunday (including Public Holidays)
- Night OOH:
 - 10pm to 7am Monday to Saturday
 - 10pm to 8am Sunday (including Public Holidays)

2.2.2 Assessment

The revised work area and additional plant/equipment has been assessed utilising SLR Predict. The full plant and equipment list has been considered as a worst-case scenario within a 15-minute assessment period. The operating time (utilisation %) of each plant and equipment has been guided by the endorsed CNVIS.

2.2.3 Results

The SLR Predict results are presented in Appendix B, for night out of hours, as the most affected period.

Table 4 provides a summary of the exceedances identified through various assessments. It compares the following:

- W.006 exceedances identified in the Yerong Creek Yard CNVIS
- W.006 exceedances identified in the SLR Predict results for the revised work area shown in Figure 2, including the plant and equipment identified in Section 2.2.1.

TABLE 4: EXCEEDANCE COMPARISONS FOR W.006 (NIGHT OOH)

ASSESSMENT RESULTS	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.006	SLR Predict – W.006 (revised work area and amended plant/equipment list)
Total Lw (dBA)	116	117
Noticeable (1-5 dB)	2	1
Clearly Audible (6-15 dB)	13	11
Moderately Intrusive (16-25 dB)	35	30
Highly Intrusive (>25 dB)	29	31
Above Sleep Disturbance (>Screening level)	71	70
Above Sleep Awake (>65 dB)	36	33

Table 4 demonstrates a similar level of intensity of impacts resulting from the current proposed scenario (last column), compared to the track tamping scenario assessed in the endorsed CNVIS. There is minimal potential increased impact (including slight increase to sound power level) as a result of the additional plant (front end loader and hi-rail excavator) and minor additional area at the southern extent of the polygon.

3 VIBRATION ASSESSMENT

3.1 Site establishment activities (W.001)

There are no vibration intensive plant and equipment proposed as part of W.001; therefore, no vibration impacts are expected.

3.2 Track tamping (W.006)

The revised work area identified in Figure 2 results in the potential exceedances of vibration criteria at two signal huts and the GrainCorp silos (refer Appendix C). These structures were also identified in the endorsed CNVIS as having the potential to fall within the cosmetic damage minimum working distance. As noted in the endorsed CNVIS, prior to commencement of any work, a structural engineer must undertake condition surveys of all buildings, structures, utilities and the like identified as being at risk of damage

4 CONCLUSION

4.1 Mitigation and Management Measures

As this an addendum to the endorsed CNVIS for Yerong Creek, the same mitigation and management measures apply as noted in Section 8 of the CNVIS.

4.2 Additional mitigation measures

As noted in Figure 3 to Figure 5, and under Appendices A to C, the SLR Predict noise and vibration results include a section on all applicable additional mitigation measures. These additional mitigation measures will be implemented where appropriate.

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Airborne Noise - Additional Mitigation Measures Matrix				
Time Period	Exceedance of NML	Perception	Duration	Communication Category/Management Measure
OOHW Daytime Period Sunday 7am - 6pm (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	Any	CO1, CO2
OOHW Evening Period Monday - Sunday 6pm - 10pm (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	Any	CO1, CO2
			>2 consecutive rest periods	CO1, CO2, RO
OOHW Night Period Monday - Sunday 10pm - 7am (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
			>2 consecutive sleep periods	CO1, CO2, RO, AO
	>25	Highly intrusive	Any	CO1, CO2, RO
			>2 consecutive sleep periods	CO1, CO2, RO, AO, AltA

FIGURE 3: ADDITIONAL MITIGATION MEASURES MATRIX – NOISE

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Vibration - Additional Mitigation Measures Matrix			
Time Period	Duration	Exceedance of 'preferred' value	Exceedance of 'maximum' value
OOHW Daytime Period Sunday 8am-6pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Evening Period Mon-Sun 6pm-10pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Night Period Mon-Sat 10pm-7am Sun 10pm-8am	Any	CO1, CO2, RO	CO1, CO2, RO, AltA

FIGURE 4: ADDITIONAL MITIGATION MEASURES MATRIX - VIBRATION

Additional Mitigation Measures			
Measure	Abbreviation		
Communication (Category 1) ¹	CO1		
Communication (Category 2) ²	CO2		
Respite Offer ³	RO		
Alternative Accommodation	AltA		
Agreement with Owners	AO		
<p>Note 1: CO1: Communication to provide information on the OOHW via methods such as letter box drop, email, newsletter, media advertisements and/ or website prior to the works commencing.</p> <p>Note 2: CO2: Communication should be personalised (e.g. door knock, meeting, telephone call). Contact with these residents should commence early to enable feedback to be considered by the proposal.</p> <p>Note 3: RO are not applicable to non-residential receivers. RO may comprise of pre-purchased movie tickets, dinner vouchers or similar. RO can also be provided by limiting high noise generating works and allowing at least a one-hour respite period between blocks of work. Where possible, the timing of this respite should be discussed with the impacted community.</p>			
Receiver Types			
Code	Description	Code	Description
RES	Residential	OED	Other Educational
COM	Commercial	OHO	Other Hotel
IND	Industrial	OLI	Other Library
OOA	Other Outdoor Active Recreation	OME	Other Medical
OOP	Other Outdoor Passive Recreation	OPW	Other Place of Worship
OCC	Other Child Care	OPB	Other Public Building

FIGURE 5: ADDITIONAL MITIGATION MEASURES MATRIX – NOTES



APPENDICES



APPENDIX A

SLR Predict (W.001)



Construction Noise and Vibration Impact Statement (CNVIS)

This report presents the outcomes of detailed noise/vibration modelling relating to specific construction activities proposed on site in accordance with the methodology outlined in the *Construction Noise and Vibration Management Plan (CNVMP)* and overarching *Construction Noise and Vibration Impact Statement (CNVIS)*.

Prior to detailed noise/vibration modelling being undertaken, work activities are reviewed and considered in relation to industry best practice, consistent with the requirements of the CNVMP. Consideration is first given to eliminating the noise/vibration emissions so far as reasonably practicable. Where elimination is not practicable, efforts are made to reduce the risk as far as practical by implementing noise and vibration management measures as outlined in the overarching CNVIS and CNVMP.

Examples of these measures include selecting the quietest equipment and processes to complete the works, considering staging and periods of respite to minimise prolonged periods of noise and vibration exposure, and maximising distances between construction activities and sensitive receivers.

Consultation with Affected Receivers

In accordance with CoA E78, the CNVIS must include specific mitigation measures identified through consultation with affected sensitive land user(s) and the mitigation measures must be implemented for the duration of the Work. Details of this consultation are provided in the overarching CNVIS for each enhancement site.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Yerong Creek CNVIS ADD - W.001
Stage	A2I Construction
Permit Number	CNVIS Addendum 1
Start Date	2026-01-05
End Date	2026-06-30
Assessment Period	Day - out of hours

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: W.001 - Area 1 (Height: Ground)	Total: 115		
Articulated Dump Truck 25% operation	109	1	No
Crane (mobile) 30% operation	104	1	No
Elevated Work Platform 25% operation	97	1	No
Front End Loader 50% operation	113	1	No
Generator - attenuated 100% operation	92	1	No
Hand tools (electric) 75% operation	102	2	No
Light Vehicle (steady state) 25% operation	87	2	No
Roller - static 100% operation	107	1	No

Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.

Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
Tractor - Slasher 50% operation	108	1	No
Truck - medium rigid (20T) 25% operation	103	2	No
Truck - road truck/ truck & dog (30T) 25% operation	108	1	No
Water Cart 75% operation	107	1	No
Excavator - Tracked (20T) 50% operation	105	1	No

Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.

Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Assessment Results



Residential

Non-Residential

Assessment Results

	Highly Intrusive	10 properties	0 property
	Moderately Intrusive	16 properties	1 property
	Clearly Audible	29 properties	7 properties
	Noticeable	3 properties	2 properties

Legend

	Project Boundary
	Work Areas
	Barriers

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
1-3 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	83	39	Highly Intrusive
Lot 1, Plan 1/414639, Yerong Creek, NSW 2642	RES	NCA07	44	73	29	Highly Intrusive
2 FINLAYSON LANE, YERONG CREEK NSW 2642	RES	NCA07	44	72	28	Highly Intrusive
5 COX ST, YERONG CREEK NSW 2642	RES	NCA07	44	72	28	Highly Intrusive
14 FINLAYSON LANE, YERONG CREEK NSW 2642	RES	NCA07	44	71	27	Highly Intrusive
10 FINLAYSON LANE, YERONG CREEK NSW 2642	RES	NCA07	44	71	27	Highly Intrusive
19 COX ST, YERONG CREEK NSW 2642	RES	NCA07	44	71	27	Highly Intrusive

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
13 COX ST, YERONG CREEK NSW 2642	RES	NCA07	44	70	26	Highly Intrusive
11 COX ST, YERONG CREEK NSW 2642	RES	NCA07	44	70	26	Highly Intrusive
3 COX ST, YERONG CREEK NSW 2642	RES	NCA07	44	70	26	Highly Intrusive
16 FINLAYSON LANE, YERONG CREEK NSW 2642	RES	NCA07	44	67	23	Moderately Intrusive
7 COX ST, YERONG CREEK NSW 2642	RES	NCA07	44	67	23	Moderately Intrusive
1-3 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	44	65	21	Moderately Intrusive
13-15 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	65	21	Moderately Intrusive
15 COX ST, YERONG CREEK NSW 2642	RES	NCA07	44	65	21	Moderately Intrusive
2-4 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	44	65	21	Moderately Intrusive
3 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	64	20	Moderately Intrusive
1 PATTON ST, YERONG CREEK NSW 2642	RES	NCA07	44	64	20	Moderately Intrusive
2 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	44	63	19	Moderately Intrusive
10 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	63	19	Moderately Intrusive
5 WARATAH ST, YERONG CREEK NSW 2642	RES	NCA07	44	63	19	Moderately Intrusive

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
12-14 COX ST, YERONG CREEK NSW 2642	RES	NCA07	44	62	18	Moderately Intrusive
LOT 2, COX STREET, YERONG CREEK NSW 2642	OPW	NCA07	55	73	18	Moderately Intrusive
11 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	62	18	Moderately Intrusive
5 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	61	17	Moderately Intrusive
21 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	61	17	Moderately Intrusive
1 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	44	61	17	Moderately Intrusive
10 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	58	14	Clearly Audible
11 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	58	14	Clearly Audible
23 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	58	14	Clearly Audible
5-9 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	44	58	14	Clearly Audible
5 MACKIE ST, YERONG CREEK NSW 2642	RES	NCA07	44	58	14	Clearly Audible
12 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	44	57	13	Clearly Audible
15 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	44	57	13	Clearly Audible
14 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	57	13	Clearly Audible

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
15 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	57	13	Clearly Audible
5 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	44	57	13	Clearly Audible
25 Plunkett St, Yerong Creek NSW 2642	RES	NCA07	44	57	13	Clearly Audible
17 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	44	56	12	Clearly Audible
21 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	44	56	12	Clearly Audible
18 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	56	12	Clearly Audible
YERONG CREEK PUBLIC SCHOOL 1 COLE ST, YERONG CREEK NSW 2642	OED	NCA07	55	67	12	Clearly Audible
27-39 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	56	12	Clearly Audible
18 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	44	55	11	Clearly Audible
19 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	55	11	Clearly Audible
2 PLUNKETT ST, YERONG CREEK NSW 2642	COM	NCA07	70	81	11	Clearly Audible
YERONG CREEK PUBLIC SCHOOL 1 COLE ST, YERONG CREEK NSW 2642	OED	NCA07	55	66	11	Clearly Audible
23 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	44	54	10	Clearly Audible

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
LOT 5557 ORANGE FLAT LANE, YERONG CREEK NSW 2642	IND	NCA07	75	85	10	Clearly Audible
15-23 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	44	54	10	Clearly Audible
20 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	53	9	Clearly Audible
26 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	53	9	Clearly Audible
25 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	53	9	Clearly Audible
13 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	53	9	Clearly Audible
LOT 5557 ORANGE FLAT LANE, YERONG CREEK NSW 2642	IND	NCA07	75	84	9	Clearly Audible
20 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	44	52	8	Clearly Audible
26 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	52	8	Clearly Audible
23 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	52	8	Clearly Audible
15 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	44	52	8	Clearly Audible
26 FINLAYSON LANE, YERONG CREEK NSW 2642	IND	NCA07	75	83	8	Clearly Audible
YERONG CREEK PUBLIC SCHOOL 1 COLE ST, YERONG CREEK NSW 2642	OED	NCA07	55	63	8	Clearly Audible

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
28 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	44	51	7	Clearly Audible
29 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	44	51	7	Clearly Audible
51 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	47	3	Noticeable
26 FINLAYSON LANE, YERONG CREEK NSW 2642	IND	NCA07	75	78	3	Noticeable
26 FINLAYSON LANE, YERONG CREEK NSW 2642	IND	NCA07	75	78	3	Noticeable
53 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	46	2	Noticeable
67 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	44	46	2	Noticeable

Recommended Mitigation Measures

This assessment has been conducted with regard to the relevant CNVIS and CNVMP. To manage noise and vibration impacts, project specific mitigation measures may be considered such as reviewing construction staging methodology to identify opportunities to schedule intensive works during less sensitive time periods and by providing a clear process for community engagement and complaints. Likewise, the requirements and actionable items within the overarching CNVIS and CNVMP should be considered and adopted where appropriate. Following the consideration of project specific noise mitigation measures, additional noise mitigation measures to be explored are described in the Inland Rail NSW Construction Noise and Vibration Framework (CNVF) and summarised below.

Airborne Noise - Additional Mitigation Measures Matrix

Time Period	Exceedance of NML	Perception	Duration	Communication Category/Management Measure
OOHW Daytime Period Sunday 7am - 6pm (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	Any	CO1, CO2
OOHW Evening Period Monday - Sunday 6pm - 10pm (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	>2 consecutive rest periods	CO1, CO2, RO
OOHW Night Period Monday - Sunday 10pm - 7am (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
			>2 consecutive sleep periods	CO1, CO2, RO, AO
	>25	Highly intrusive	>2 consecutive sleep periods	CO1, CO2, RO, AO, AltA

Vibration - Additional Mitigation Measures Matrix

Time Period	Duration	Exceedance of 'preferred' value	Exceedance of 'maximum' value
OOHW Daytime Period Sunday 8am-6pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Evening Period Mon-Sun 6pm-10pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Night Period Mon-Sat 10pm-7am Sun 10pm-8am	Any	CO1, CO2, RO	CO1, CO2, RO, AltA

Additional Mitigation Measures

Measure	Abbreviation
Communication (Category 1) ¹	CO1
Communication (Category 2) ²	CO2
Respite Offer ³	RO
Alternative Accommodation	AltA
Agreement with Owners	AO

Note 1: CO1: Communication to provide information on the OOHW via methods such as letter box drop, email, newsletter, media advertisements and/ or website prior to the works commencing.

Note 2: CO2: Communication should be personalised (e.g. door knock, meeting, telephone call). Contact with these residents should commence early to enable feedback to be considered by the proposal.

Note 3: RO are not applicable to non-residential receivers. RO may comprise of pre-purchased movie tickets, dinner vouchers or similar. RO can also be provided by limiting high noise generating works and allowing at least a one-hour respite period between blocks of work. Where possible, the timing of this respite should be discussed with the impacted community.

Receiver Types

Code	Description	Code	Description
RES	Residential	OED	Other Educational
COM	Commercial	OHO	Other Hotel
IND	Industrial	OLI	Other Library
OOA	Other Outdoor Active Recreation	OME	Other Medical
OOP	Other Outdoor Passive Recreation	OPW	Other Place of Worship
OCC	Other Child Care	OPB	Other Public Building



APPENDIX B

SLR Predict (W.006 – noise)



Construction Noise and Vibration Impact Statement (CNVIS)

This report presents the outcomes of detailed noise/vibration modelling relating to specific construction activities proposed on site in accordance with the methodology outlined in the *Construction Noise and Vibration Management Plan (CNVMP)* and overarching *Construction Noise and Vibration Impact Statement (CNVIS)*.

Prior to detailed noise/vibration modelling being undertaken, work activities are reviewed and considered in relation to industry best practice, consistent with the requirements of the CNVMP. Consideration is first given to eliminating the noise/vibration emissions so far as reasonably practicable. Where elimination is not practicable, efforts are made to reduce the risk as far as practical by implementing noise and vibration management measures as outlined in the overarching CNVIS and CNVMP.

Examples of these measures include selecting the quietest equipment and processes to complete the works, considering staging and periods of respite to minimise prolonged periods of noise and vibration exposure, and maximising distances between construction activities and sensitive receivers.

Consultation with Affected Receivers

In accordance with CoA E78, the CNVIS must include specific mitigation measures identified through consultation with affected sensitive land user(s) and the mitigation measures must be implemented for the duration of the Work. Details of this consultation are provided in the overarching CNVIS for each enhancement site.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Yerong Creek CNVIS ADD - W.006
Stage	A2I Construction
Permit Number	CNVIS Addendum 1
Start Date	2026-01-05
End Date	2026-06-30
Assessment Period	Night - out of hours

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: Area 1 (Height: Ground)	Total: 117		
Ballast Tamper 75% operation	115	1	No
Ballast Regulator 75% operation	114	1	No
Front End Loader 50% operation	113	1	No
Hi-Rail Excavator (20T) 50% operation	105	1	No

Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.


Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Assessment Results



	Residential	Non-Residential
 Highly Intrusive	31 properties	0 property
 Moderately Intrusive	30 properties	1 property
 Clearly Audible	11 properties	0 property
 Noticeable	1 property	0 property
 Above Sleep Disturbance	70 properties	0 property
 Above Sleep Awake	33 properties	0 property

Legend

	Project Boundary
	Work Areas
	Barriers

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
19 COX ST, YERONG CREEK NSW 2642	RES	NCA07	35	73	38	Highly Intrusive Above Sleep Dist Above Sleep Awake
5 COX ST, YERONG CREEK NSW 2642	RES	NCA07	35	73	38	Highly Intrusive Above Sleep Dist Above Sleep Awake
Lot 1, Plan 1/414639, Yerong Creek, NSW 2642	RES	NCA07	35	73	38	Highly Intrusive Above Sleep Dist Above Sleep Awake
11 COX ST, YERONG CREEK NSW 2642	RES	NCA07	35	72	37	Highly Intrusive Above Sleep Dist Above Sleep Awake
3 COX ST, YERONG CREEK NSW 2642	RES	NCA07	35	72	37	Highly Intrusive Above Sleep Dist Above Sleep Awake
1-3 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	71	36	Highly Intrusive Above Sleep Dist Above Sleep Awake

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
13 COX ST, YERONG CREEK NSW 2642	RES	NCA07	35	71	36	Highly Intrusive Above Sleep Dist Above Sleep Awake
10 FINLAYSON LANE, YERONG CREEK NSW 2642	RES	NCA07	35	69	34	Highly Intrusive Above Sleep Dist Above Sleep Awake
2 FINLAYSON LANE, YERONG CREEK NSW 2642	RES	NCA07	35	69	34	Highly Intrusive Above Sleep Dist Above Sleep Awake
16 FINLAYSON LANE, YERONG CREEK NSW 2642	RES	NCA07	35	68	33	Highly Intrusive Above Sleep Dist Above Sleep Awake
14 FINLAYSON LANE, YERONG CREEK NSW 2642	RES	NCA07	35	68	33	Highly Intrusive Above Sleep Dist Above Sleep Awake
7 COX ST, YERONG CREEK NSW 2642	RES	NCA07	35	68	33	Highly Intrusive Above Sleep Dist Above Sleep Awake

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
1-3 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	35	66	31	Highly Intrusive Above Sleep Dist Above Sleep Awake
15 COX ST, YERONG CREEK NSW 2642	RES	NCA07	35	66	31	Highly Intrusive Above Sleep Dist Above Sleep Awake
1 PATTON ST, YERONG CREEK NSW 2642	RES	NCA07	35	66	31	Highly Intrusive Above Sleep Dist Above Sleep Awake
2 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	35	65	30	Highly Intrusive Above Sleep Dist Above Sleep Awake
2-4 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	35	65	30	Highly Intrusive Above Sleep Dist Above Sleep Awake
10 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	64	29	Highly Intrusive Above Sleep Dist Above Sleep Awake

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
5 WARATAH ST, YERONG CREEK NSW 2642	RES	NCA07	35	64	29	Highly Intrusive Above Sleep Dist Above Sleep Awake
28 Cox St, Yerong Creek NSW 2642	RES	NCA07	35	64	29	Highly Intrusive Above Sleep Dist Above Sleep Awake
12-14 COX ST, YERONG CREEK NSW 2642	RES	NCA07	35	63	28	Highly Intrusive Above Sleep Dist Above Sleep Awake
13-15 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	63	28	Highly Intrusive Above Sleep Dist Above Sleep Awake
11 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	63	28	Highly Intrusive Above Sleep Dist Above Sleep Awake
3 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	63	28	Highly Intrusive Above Sleep Dist Above Sleep Awake

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
1 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	35	63	28	Highly Intrusive Above Sleep Dist Above Sleep Awake
8 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	35	62	27	Highly Intrusive Above Sleep Dist Above Sleep Awake
5 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	62	27	Highly Intrusive Above Sleep Dist Above Sleep Awake
13 Queen St, Yerong Creek NSW 2642	RES	NCA07	35	62	27	Highly Intrusive Above Sleep Dist Above Sleep Awake
6 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	61	26	Highly Intrusive Above Sleep Dist Above Sleep Awake
7 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	61	26	Highly Intrusive Above Sleep Dist Above Sleep Awake

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
3 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	35	61	26	Highly Intrusive Above Sleep Dist Above Sleep Awake
10 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	59	24	Moderately Intrusive Above Sleep Dist
21 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	59	24	Moderately Intrusive Above Sleep Dist
5 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	35	59	24	Moderately Intrusive Above Sleep Dist
12 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	35	58	23	Moderately Intrusive Above Sleep Dist
15 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	35	58	23	Moderately Intrusive Above Sleep Dist
21 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	35	58	23	Moderately Intrusive Above Sleep Dist
11 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	58	23	Moderately Intrusive Above Sleep Dist
18 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	35	57	22	Moderately Intrusive Above Sleep Dist

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
17 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	35	57	22	Moderately Intrusive Above Sleep Dist
10 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	57	22	Moderately Intrusive Above Sleep Dist
15 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	57	22	Moderately Intrusive Above Sleep Dist
23 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	57	22	Moderately Intrusive Above Sleep Dist
18 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	56	21	Moderately Intrusive Above Sleep Dist
14 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	56	21	Moderately Intrusive Above Sleep Dist
15-23 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	35	56	21	Moderately Intrusive Above Sleep Dist
25 Plunkett St, Yerong Creek NSW 2642	RES	NCA07	35	56	21	Moderately Intrusive Above Sleep Dist
23 QUEEN ST, YERONG CREEK NSW 2642	RES	NCA07	35	55	20	Moderately Intrusive Above Sleep Dist
25 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	55	20	Moderately Intrusive Above Sleep Dist

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
19 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	55	20	Moderately Intrusive Above Sleep Dist
13 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	55	20	Moderately Intrusive Above Sleep Dist
27-39 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	55	20	Moderately Intrusive Above Sleep Dist
20 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	35	54	19	Moderately Intrusive Above Sleep Dist
20 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	54	19	Moderately Intrusive Above Sleep Dist
15 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	35	54	19	Moderately Intrusive Above Sleep Dist
28 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	35	53	18	Moderately Intrusive Above Sleep Dist
26 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	53	18	Moderately Intrusive Above Sleep Dist
29 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	53	18	Moderately Intrusive Above Sleep Dist
23 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	53	18	Moderately Intrusive Above Sleep Dist

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
26 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	52	17	Moderately Intrusive Above Sleep Dist
2 COLE ST, YERONG CREEK NSW 2642	OHO	NCA07	45	62	17	Moderately Intrusive
15 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	35	52	17	Moderately Intrusive Above Sleep Dist
53 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	49	14	Clearly Audible Above Sleep Dist
51 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	48	13	Clearly Audible Above Sleep Dist
67 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	48	13	Clearly Audible Above Sleep Dist
LOT 1,34 MACCONOCHIE STREET, YERONG CREEK NSW 2642 -	RES	NCA07	35	47	12	Clearly Audible
63 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	46	11	Clearly Audible
3308 OLYMPIC HWY, YERONG CREEK NSW 2642	RES	NCA07	35	46	11	Clearly Audible
65 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	45	10	Clearly Audible
83-85 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	44	9	Clearly Audible
3308 OLYMPIC HWY, YERONG CREEK NSW 2642	RES	NCA07	35	43	8	Clearly Audible

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
WINDANA 3455 OSBORNE YERONG CREEK RD, YERONG CREEK NSW 2642	RES	NCA07	35	42	7	Clearly Audible
3308 OLYMPIC HWY, YERONG CREEK NSW 2642	RES	NCA07	35	42	7	Clearly Audible
Lot 2, Plan 2/879412, Yerong Creek, NSW 2642	RES	NCA07	35	37	2	Noticeable
32 MACCONOCHIE ST, YERONG CREEK NSW 2642	RES	NCA07	35	51	16	Above Sleep Dist
30 COLE ST, YERONG CREEK NSW 2642	RES	NCA07	35	51	16	Above Sleep Dist
17 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	35	51	16	Above Sleep Dist
5-9 HAY ST, YERONG CREEK NSW 2642	RES	NCA07	35	60	25	Above Sleep Dist Above Sleep Awake
51 PLUNKETT ST, YERONG CREEK NSW 2642	RES	NCA07	35	50	15	Above Sleep Dist
5 MACKIE ST, YERONG CREEK NSW 2642	RES	NCA07	35	60	25	Above Sleep Dist Above Sleep Awake

Recommended Mitigation Measures

This assessment has been conducted with regard to the relevant CNVIS and CNVMP. To manage noise and vibration impacts, project specific mitigation measures may be considered such as reviewing construction staging methodology to identify opportunities to schedule intensive works during less sensitive time periods and by providing a clear process for community engagement and complaints. Likewise, the requirements and actionable items within the overarching CNVIS and CNVMP should be considered and adopted where appropriate. Following the consideration of project specific noise mitigation measures, additional noise mitigation measures to be explored are described in the Inland Rail NSW Construction Noise and Vibration Framework (CNVF) and summarised below.

Airborne Noise - Additional Mitigation Measures Matrix				
Time Period	Exceedance of NML	Perception	Duration	Communication Category/Management Measure
OOHW Daytime Period Sunday 7am - 6pm (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	Any	CO1, CO2
OOHW Evening Period Monday - Sunday 6pm - 10pm (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	>2 consecutive rest periods	CO1, CO2, RO
OOHW Night Period Monday - Sunday 10pm - 7am (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
			>2 consecutive sleep periods	CO1, CO2, RO, AO
	>25	Highly intrusive	>2 consecutive sleep periods	CO1, CO2, RO, AO, AltA

Vibration - Additional Mitigation Measures Matrix

Time Period	Duration	Exceedance of 'preferred' value	Exceedance of 'maximum' value
OOHW Daytime Period Sunday 8am-6pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Evening Period Mon-Sun 6pm-10pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Night Period Mon-Sat 10pm-7am Sun 10pm-8am	Any	CO1, CO2, RO	CO1, CO2, RO, AltA

Additional Mitigation Measures

Measure	Abbreviation
Communication (Category 1) ¹	CO1
Communication (Category 2) ²	CO2
Respite Offer ³	RO
Alternative Accommodation	AltA
Agreement with Owners	AO

Note 1: CO1: Communication to provide information on the OOHW via methods such as letter box drop, email, newsletter, media advertisements and/ or website prior to the works commencing.

Note 2: CO2: Communication should be personalised (e.g. door knock, meeting, telephone call). Contact with these residents should commence early to enable feedback to be considered by the proposal.

Note 3: RO are not applicable to non-residential receivers. RO may comprise of pre-purchased movie tickets, dinner vouchers or similar. RO can also be provided by limiting high noise generating works and allowing at least a one-hour respite period between blocks of work. Where possible, the timing of this respite should be discussed with the impacted community.

Receiver Types

Code	Description	Code	Description
RES	Residential	OED	Other Educational
COM	Commercial	OHO	Other Hotel
IND	Industrial	OLI	Other Library
OOA	Other Outdoor Active Recreation	OME	Other Medical
OOP	Other Outdoor Passive Recreation	OPW	Other Place of Worship
OCC	Other Child Care	OPB	Other Public Building



APPENDIX C

SLR Predict (W.006 – vibration)



Construction Noise and Vibration Impact Statement (CNVIS)

This report presents the outcomes of detailed noise/vibration modelling relating to specific construction activities proposed on site in accordance with the methodology outlined in the *Construction Noise and Vibration Management Plan (CNVMP)* and overarching *Construction Noise and Vibration Impact Statement (CNVIS)*.

Prior to detailed noise/vibration modelling being undertaken, work activities are reviewed and considered in relation to industry best practice, consistent with the requirements of the CNVMP. Consideration is first given to eliminating the noise/vibration emissions so far as reasonably practicable. Where elimination is not practicable, efforts are made to reduce the risk as far as practical by implementing noise and vibration management measures as outlined in the overarching CNVIS and CNVMP.

Examples of these measures include selecting the quietest equipment and processes to complete the works, considering staging and periods of respite to minimise prolonged periods of noise and vibration exposure, and maximising distances between construction activities and sensitive receivers.

Consultation with Affected Receivers

In accordance with CoA E78, the CNVIS must include specific mitigation measures identified through consultation with affected sensitive land user(s) and the mitigation measures must be implemented for the duration of the Work. Details of this consultation are provided in the overarching CNVIS for each enhancement site.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Yerong Creek CNVIS ADD - W.006
Stage	A2I Construction
Permit Number	CNVIS Addendum 1
Start Date	2026-01-05
End Date	2026-06-30
Assessment Period	Vibration

Equipment Details




Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: Area 1 (Height: Ground)	Total: 117		
Ballast Tamper 75% operation	115	1	No
Ballast Regulator 75% operation	114	1	No
Front End Loader 50% operation	113	1	No
Hi-Rail Excavator (20T) 50% operation	105	1	No

Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.



Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Assessment Results



	Residential	Non-Residential
 Cosmetic Damage	0 property	5 properties
 Human Comfort	0 property	6 properties
 Cosmetic Damage for Unsound Heritage	0 property	0 property

Legend

	Project Boundary
	Work Areas
	Barriers

Results by Receiver

Address	Land Use	Vibration Category
LOT 5557 ORANGE FLAT LANE, YERONG CREEK NSW 2642	IND	Cosmetic Damage Human Comfort
LOT 5557 ORANGE FLAT LANE, YERONG CREEK NSW 2642	IND	Cosmetic Damage Human Comfort
26 FINLAYSON LANE, YERONG CREEK NSW 2642	IND	Cosmetic Damage Human Comfort
26 FINLAYSON LANE, YERONG CREEK NSW 2642	IND	Cosmetic Damage Human Comfort
26 FINLAYSON LANE, YERONG CREEK NSW 2642	IND	Cosmetic Damage Human Comfort
26 FINLAYSON LANE, YERONG CREEK NSW 2642	IND	Human Comfort

Recommended Mitigation Measures

This assessment has been conducted with regard to the relevant CNVIS and CNVMP. To manage noise and vibration impacts, project specific mitigation measures may be considered such as reviewing construction staging methodology to identify opportunities to schedule intensive works during less sensitive time periods and by providing a clear process for community engagement and complaints. Likewise, the requirements and actionable items within the overarching CNVIS and CNVMP should be considered and adopted where appropriate. Following the consideration of project specific noise mitigation measures, additional noise mitigation measures to be explored are described in the Inland Rail NSW Construction Noise and Vibration Framework (CNVF) and summarised below.

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	>25	Highly intrusive	Any	CO1, CO2
OOHW Evening Period Monday - Sunday 6pm - 10pm (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
	>25	Highly intrusive	Any consecutive rest periods	CO1, CO2, RO
OOHW Night Period Monday - Sunday 10pm - 7am (including public holidays)	<5	Noticeable	Any	CO1
	5 - 15	Clearly audible	Any	CO1
	16 - 25	Moderately intrusive	Any	CO1, CO2
			>2 consecutive sleep periods	CO1, CO2, RO, AO
	>25	Highly intrusive	Any consecutive sleep periods	CO1, CO2, RO, AO, AltA

Vibration - Additional Mitigation Measures Matrix

Time Period	Duration	Exceedance of 'preferred' value	Exceedance of 'maximum' value
OOHW Daytime Period Sunday 8am-6pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Evening Period Mon-Sun 6pm-10pm	Any	CO1, CO2	CO1, CO2, RO
OOHW Night Period Mon-Sat 10pm-7am Sun 10pm-8am	Any	CO1, CO2, RO	CO1, CO2, RO, AltA

Additional Mitigation Measures

Measure	Abbreviation
Communication (Category 1) ¹	CO1
Communication (Category 2) ²	CO2
Respite Offer ³	RO
Alternative Accommodation	AltA
Agreement with Owners	AO

Note 1: CO1: Communication to provide information on the OOHW via methods such as letter box drop, email, newsletter, media advertisements and/ or website prior to the works commencing.

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Receiver Types

Code	Description	Code	Description
RES	Residential	OED	Other Educational
COM	Commercial	OHO	Other Hotel
IND	Industrial	OLI	Other Library
OOA	Other Outdoor Active Recreation	OME	Other Medical
OOP	Other Outdoor Passive Recreation	OPW	Other Place of Worship
OCC	Other Child Care	OPB	Other Public Building