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KEMP STREET WORKS – CONSTRUCTION NOISE AND VIBRATION IMPACT STATEMENT ADDENDUM 2

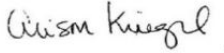
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GLOSSARY

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
Kemp Street Works CNVIS	Kemp Street Works Construction Noise and Vibration Impact Statement (Doc No. 6-0052-210-EEC-J2-AS-0001)
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
W.001B	Work Scenario 1B – site establishment - tree clearing

1 INTRODUCTION

1.1 Purpose of this Noise Assessment

This Noise Assessment has been prepared to identify and assess the additional scenario required to support and enable the wider scope of activities associated with the Kemp Street Works. This Construction Noise and Vibration Impact Statement Addendum (CNVIS Addendum) forms an addendum to the endorsed Kemp Street Works CNVIS (Doc No: 6-0052-210-EEC-J2-AS-0001).

This CNVIS Addendum should be reviewed in conjunction with the Kemp Street Works CNVIS (Doc No: 6-0052-210-EEC-J2-AS-0001) including adopted rating background levels (RBL), noise management levels (NMLs) and assessment criteria in accordance with the Infrastructure Approval (SSI-10055).

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

- Figure 1: W.001B – a new scenario to assess the impacts due to tree trimming/clearing within the Kemp St site.



FIGURE 1: WORK AREA FOR KEMP STREET TREE CLEARING WORKS – (W.001B)

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.001B	Site Establishment - Tree Clearing	Tree Trimming/Clearing	112

2.1 Compound operation

2.1.1 Scope

The new scenario models the impact associated to scope enabling tree clearing works within the Kemp Street enhancement site

Plant and equipment

- 2 x Chainsaws
- 2 x Elevated Work Platforms
- 1 x Truck medium rigid
- 1 x Tub grinder / mulcher
- 2 x Light Vehicles

Construction hours

- Standard approved Hours:
 - 7am to 6pm Monday to Friday, inclusive
 - 7am to 6pm Saturday
- Day Out-of-Hours (OOH):
 - 8am to 6pm Sunday and public holidays

2.1.2 Assessment

No tree clearing scenarios are identified in the approved Kemp Street Works CNVIS. SLR Predict was utilised to assess the proposed scenario to allow for a comparison with the impacts identified in the endorsed Kemp Street Works CNVIS W.001 - site establishment / demobilisation.

All plant and equipment identified above was considered in the assessment at the utilisation rates identified in Appendix A.

2.1.3 Results

The SLR Predict results are presented in Appendix A, for Day 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 Kemp Street Works CNVIS (CNVIS locations and equipment list)
- W.001B exceedances assessed in SLR Predict with an amended plant and equipment list to allow for tree clearing scope

TABLE 3: EXCEEDANCE COMPARISONS FOR W.001B OUT OF HOURS DAYTIME

ASSESSMENT RESULTS (DAYTIME OOH)	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	W.001 CNVIS	W.001B Tree Clearing Equipment SLR Tool Daytime OOH
Total Lw (dBA)	122	112
Noticeable (1-5 dB)	179	111
Clearly Audible (6-15 dB)	299	72
Moderately Intrusive (16-25 dB)	129	22
Highly Intrusive (>25 dB)	47	13
Above Sleep Disturbance (>Screening level)	-	-
Above Sleep Awake (>65 dB)	-	-

Table 3 shows an overall lower intensity of impacts resulting from the current proposed scenario W.001B during daytime out of hours (last column) compared to the site establishment scenario assessed in the endorsed CNVIS.

3 VIBRATION ASSESSMENT

3.1 Site establishment – tree clearing

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

4 CONCLUSION

4.1 Mitigation and management measures

As this Assessment is an addendum to the endorsed CNVIS for Kemp Street Works, the same mitigation and management measures apply as noted in Section 8 of the CNVIS.

4.2 Additional mitigation measures

As noted in Figure 2 and Figure 3 below and under Appendix A, the SLR Predict noise results include a section on all applicable additional mitigation measures. These additional mitigation measures will be implemented where appropriate.

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 2: ADDITIONAL MITIGATION MEASURES MATRIX – NOISE

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

FIGURE 3: ADDITIONAL MITIGATION MEASURES MATRIX – NOTES



APPENDICES



APPENDIX A

SLR Predict (W.001B)



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 been 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	Kemp ADD2 - Tree clearing
Stage	A2I Construction
Permit Number	
Start Date	2025-11-10
End Date	
Assessment Period	Day - out of hours

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: (Height: Ground)	Total: 112		
Chainsaw 50% operation	105	2	No
Elevated Work Platform 25% operation	97	1	No
Truck - medium rigid (20T) 25% operation	103	1	No
Tub Grinder/Mulcher (40-50hp) 30% operation	116	1	No
Light Vehicle (steady state) 25% operation	87	2	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 13 properties	0 property
	Moderately Intrusive 22 properties	1 property
	Clearly Audible 72 properties	1 property
	Noticeable 111 properties	5 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
4 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	81	34	Highly Intrusive
6 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	81	34	Highly Intrusive
7 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	79	32	Highly Intrusive
5 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	79	32	Highly Intrusive
1 EDGAR ST, JUNEE NSW 2663	RES	NCA14	47	78	31	Highly Intrusive
9 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	75	28	Highly Intrusive
2 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	75	28	Highly Intrusive
1 EDGAR ST, JUNEE NSW 2663	RES	NCA14	47	75	28	Highly Intrusive
8 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	75	28	Highly Intrusive
3 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	74	27	Highly Intrusive
10 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	73	26	Highly Intrusive
12 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	73	26	Highly Intrusive
1 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	73	26	Highly Intrusive
11 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	72	25	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
10 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	72	25	Moderately Intrusive
10 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	72	25	Moderately Intrusive
8 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	71	24	Moderately Intrusive
5 GEORGE ST, JUNEE NSW 2663	OCC	NCA14	45	67	22	Moderately Intrusive
12 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	69	22	Moderately Intrusive
1 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	69	22	Moderately Intrusive
2/3 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	69	22	Moderately Intrusive
7 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	68	21	Moderately Intrusive
14 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	68	21	Moderately Intrusive
7 HILL ST, JUNEE NSW 2663	RES	NCA14	47	68	21	Moderately Intrusive
14 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	67	20	Moderately Intrusive
65 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	67	20	Moderately Intrusive
16 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	66	19	Moderately Intrusive
3 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	66	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
16 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	66	19	Moderately Intrusive
63 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	66	19	Moderately Intrusive
13 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	64	17	Moderately Intrusive
9 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	64	17	Moderately Intrusive
18 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	64	17	Moderately Intrusive
9 HILL ST, JUNEE NSW 2663	RES	NCA14	47	64	17	Moderately Intrusive
22 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	63	16	Moderately Intrusive
61 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	63	16	Moderately Intrusive
18 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	62	15	Clearly Audible
15 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	62	15	Clearly Audible
16 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	62	15	Clearly Audible
20 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	62	15	Clearly Audible
20 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	62	15	Clearly Audible
59 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	62	15	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
20 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	61	14	Clearly Audible
2 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	61	14	Clearly Audible
19 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	61	14	Clearly Audible
9 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	61	14	Clearly Audible
17 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	61	14	Clearly Audible
74 JOFFRE ST, JUNEE NSW 2663	RES	NCA14	47	61	14	Clearly Audible
1/29 HILL ST, JUNEE NSW 2663	RES	NCA14	47	61	14	Clearly Audible
23 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	60	13	Clearly Audible
21 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	60	13	Clearly Audible
24 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	60	13	Clearly Audible
28 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	60	13	Clearly Audible
57 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	60	13	Clearly Audible
55 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	60	13	Clearly Audible
1-5 HILL ST, JUNEE NSW 2663	OHO	NCA14	60	72	12	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
19 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	59	12	Clearly Audible
25 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	58	11	Clearly Audible
4 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	58	11	Clearly Audible
2 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	58	11	Clearly Audible
17 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	58	11	Clearly Audible
19 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	58	11	Clearly Audible
53 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	58	11	Clearly Audible
28 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	57	10	Clearly Audible
8 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	57	10	Clearly Audible
32 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	57	10	Clearly Audible
51 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	57	10	Clearly Audible
30 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	56	9	Clearly Audible
30 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	56	9	Clearly Audible
21 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	56	9	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
23 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	56	9	Clearly Audible
29 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	55	8	Clearly Audible
23A GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	55	8	Clearly Audible
28 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	55	8	Clearly Audible
26 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	55	8	Clearly Audible
22 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	55	8	Clearly Audible
12 GOULBURN ST, JUNEE NSW 2663	RES	NCA14	47	55	8	Clearly Audible
2 HAROLD ST, JUNEE NSW 2663	RES	NCA14	47	55	8	Clearly Audible
72 JOFFRE ST, JUNEE NSW 2663	RES	NCA14	47	55	8	Clearly Audible
47 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	55	8	Clearly Audible
31 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
1 WARDLE ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
1A WARDLE ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
12 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	54	7	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
4 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
11 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
31 HILL ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
34 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
44 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
42 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
22 STEWART ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
16 STEWART ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
3 DALLEY ST, JUNEE NSW 2663	RES	NCA14	47	54	7	Clearly Audible
37 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	53	6	Clearly Audible
3032 BYRNES RD, JUNEE NSW 2663	RES	NCA14	47	53	6	Clearly Audible
7 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	53	6	Clearly Audible
3 WARDLE ST, JUNEE NSW 2663	RES	NCA14	47	53	6	Clearly Audible
6 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	53	6	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
2/29 GEORGE ST, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
25 GEORGE ST, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
36 KEMP ST, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
20 STEWART ST, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
18 STEWART ST, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
25 PRETORIA AV, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
27 PRETORIA AV, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
1 DALLEY ST, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
139 LORNE ST, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
137 LORNE ST, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
43 SEIGNIOR ST, JUNEES NSW 2663	RES	NCA14	47	53	6	Clearly Audible
10 FITZROY ST, JUNEES NSW 2663	RES	NCA14	47	52	5	Noticeable
35 RAILWAY PDE, JUNEES NSW 2663	RES	NCA14	47	52	5	Noticeable
32 DUCKER ST, JUNEES NSW 2663	RES	NCA14	47	52	5	Noticeable

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
9 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
5 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
14 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
10 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
27 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
17 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
21 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
23 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
40 HILL ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
29 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
63 JOFFRE ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
45 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
35 HILL ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable
33 HILL ST, JUNEE NSW 2663	RES	NCA14	47	52	5	Noticeable

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
37 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
35 DUCKER ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
37 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
3032 BYRNES RD, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
36 CROWN ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
12 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
14 GOULBURN ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
19 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
5 GOULBURN ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
46 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
38 HILL ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
33 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
31 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable

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
35 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
2 GALLIPOLI AV, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
8 STEWART ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
116 LORNE ST, JUNEE NSW 2663	RES	NCA14	47	51	4	Noticeable
5 FITZROY ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
45 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
3024 BYRNES RD, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
14 CROWN ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
4 WARDLE ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
19 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
20 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
33 GEORGE ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
25 THOMAS ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable

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
10 GOULBURN ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
8 GOULBURN ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
6 GOULBURN ST, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
39 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
41 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
8 GALLIPOLI AV, JUNEE NSW 2663	RES	NCA14	47	50	3	Noticeable
7 FITZROY ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
43-43 RAILWAY PDE, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
15 CROWN ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
13 CROWN ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
12 CROWN ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
2 WARDLE ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
17 WILLIAM ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable

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 WILLIAM ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
11 WILLIAM ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
24 WILLIAM ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
26 WILLIAM ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
22 WILLIAM ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
18 WILLIAM ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
30 THOMAS ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
3 HAROLD ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
33 THOMAS ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
1A HAROLD ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
45 HILL ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
37 HILL ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
38 KEMP ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable
46 HILL ST, JUNEES NSW 2663	RES	NCA14	47	49	2	Noticeable

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
44 HILL ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
42 HILL ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
116 LORNE ST, JUNEE NSW 2663	OED	NCA14	55	57	2	Noticeable
116 LORNE ST, JUNEE NSW 2663	OED	NCA14	55	57	2	Noticeable
116 LORNE ST, JUNEE NSW 2663	OED	NCA14	55	57	2	Noticeable
5 DALLEY ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
33 DENISON ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
6 GALLIPOLI AV, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
62 JOFFRE ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
61 JOFFRE ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
15 BELMORE ST, JUNEE NSW 2663	RES	NCA14	47	49	2	Noticeable
3022 BYRNES RD, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
26 GOULBURN ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable

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 CROWN ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
35 WILLIAM ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
5 WARDLE ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
7 WARDLE ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
30 WILLIAM ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
49 GEORGE ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
43 GEORGE ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
41 GEORGE ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
14 THOMAS ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
18 THOMAS ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
5 HAROLD ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
1 HAROLD ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
51 HILL ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable
43 HILL ST, JUNEES NSW 2663	RES	NCA14	47	48	1	Noticeable

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
48 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
52 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
50 KEMP ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
56 HILL ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
50 HILL ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
48 HILL ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
15 DALLEY ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
116 LORNE ST, JUNEE NSW 2663	OED	NCA14	55	56	1	Noticeable
37 PRETORIA AV, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
70 JOFFRE ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
116 LORNE ST, JUNEE NSW 2663	OED	NCA14	55	56	1	Noticeable
68 JOFFRE ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
10 GALLIPOLI AV, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
31 DENISON ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable

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
64 JOFFRE ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
6 STEWART ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
106 LORNE ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
15 BELMORE ST, JUNEE NSW 2663	RES	NCA14	47	48	1	Noticeable
31 SEIGNIOR ST, JUNEE NSW 2663	RES	NCA14	47	48	1	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	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
			Any	CO1, CO2, RO
	>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 OOHV 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



MARTINUS 

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