MARTINUS RAIL INLAND

KEMP STREET WORKS – CONSTRUCTION NOISE AND VIBRATION IMPACT STATEMENT ADDENDUM 3

A2I I Albury to Illabo

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Revision History

REVISION	REVISION DATE	AMENDMENT	DATE TO CLIENT
A	26/02/2026	Issued for review	26/02/2026
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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
Kemp Street CNVIS	Kemp Street Works – endorsed Construction Noise and Vibration Impact Statement (SLR, August 2025)
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.010	Work Scenario 10 – Bridge Work (Peak)
W.012	Work Scenario 12 – Track Work (Peak)
W.014	Work Scenario 14 – Track Tamping

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 potential vibration impacts associated with the north and south signal huts located in the Junee Precinct. This CNVIS Addendum will support the wider scope of activities associated with the Kemp Street bridge enhancement site works (Kemp Street), and forms part of the endorsed Kemp Street CNVIS (Doc No: 6-0052-210-EEC-J2-AS-0001_0) (endorsed CNVIS).

This CNVIS Addendum should be reviewed in conjunction with the endorsed CNVIS, including adopted rating background levels (RBLs), noise management levels (NMLs) and assessment criteria in accordance with the Infrastructure Approval (SSI-10055). The work scenarios are presented in Figure 1 and Figure 2 below.

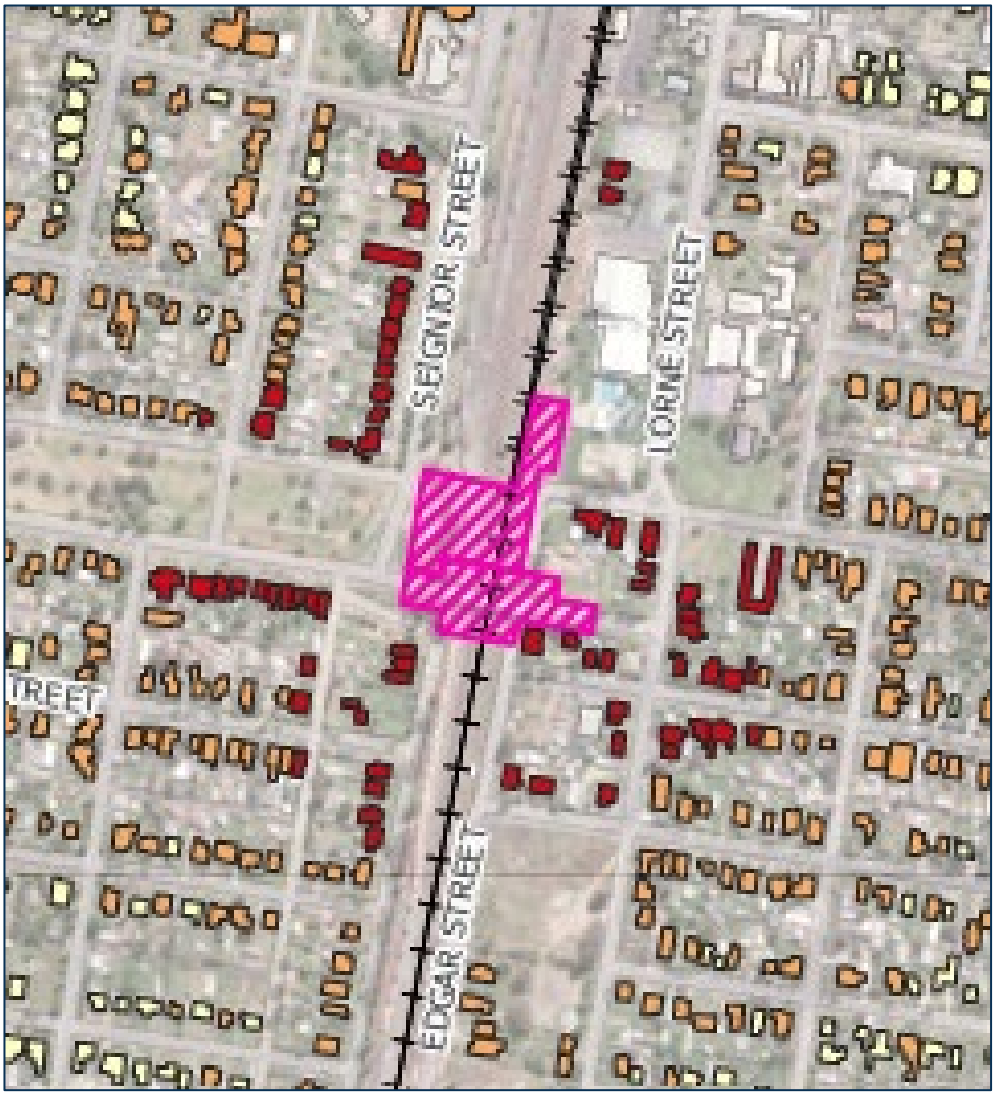


FIGURE 1: WORK AREA FOR W.010 (ENDORSED CNVIS)

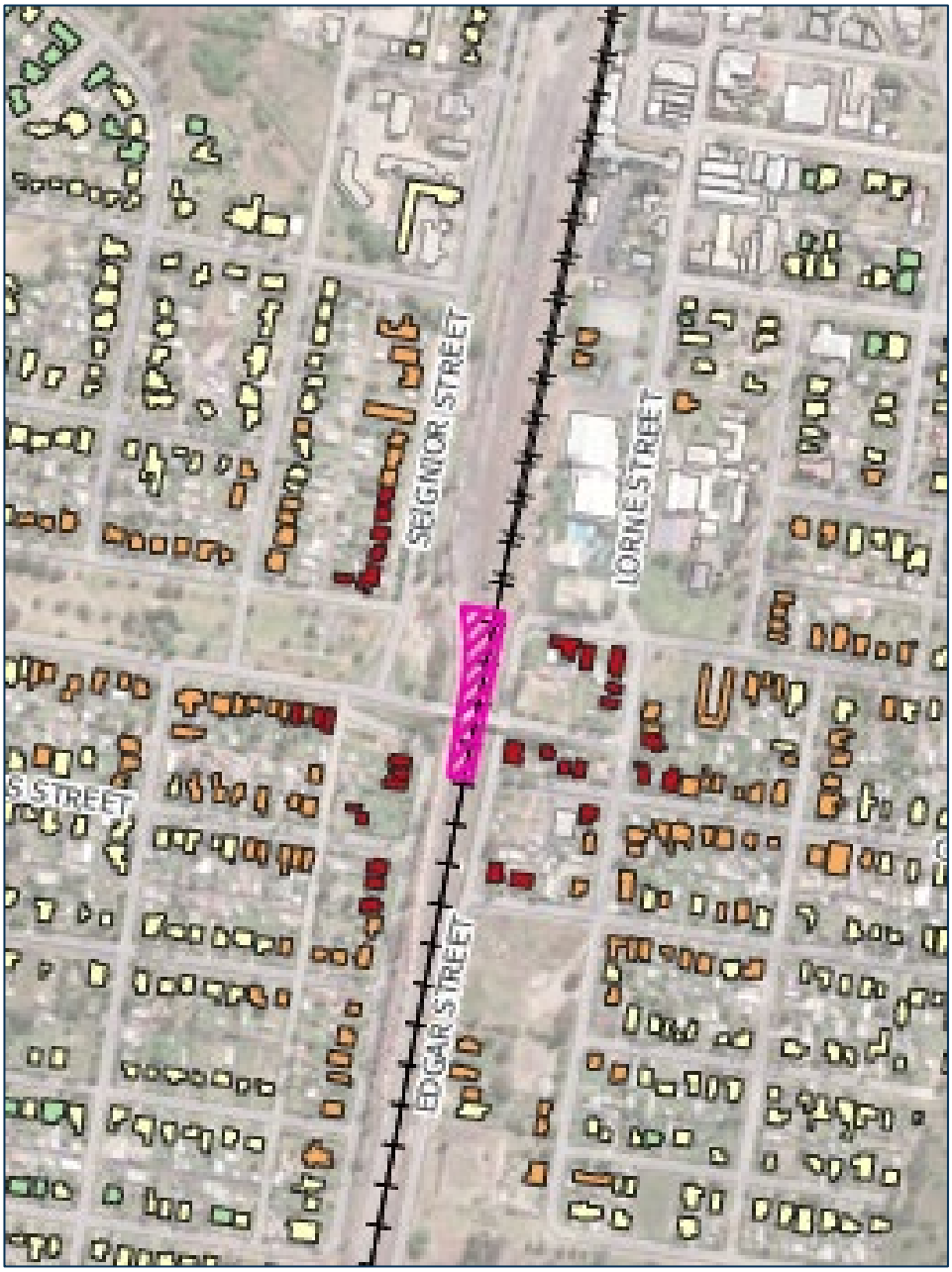


FIGURE 2: WORK AREA FOR W.012 & W.014 (ENDORSED CNVIS)

2 NOISE ASSESSMENT

There is no change in the construction methodology or assessment periods for the work scenarios assessed in the endorsed CNVIS; therefore, an additional noise assessment is not required.

3 VIBRATION ASSESSMENT

This CNVIS Addendum has been prepared to assess the potential vibration impacts at the north and south signal huts at Junee Precinct. The following work scenarios have been assessed in this CNVIS Addendum, using SLR Predict, A2I's noise and vibration management tool:

Work Scenario 10 (W.010)

- Bridge work – peak, as shown in Figure 1 in Section 1.1

Work Scenario 12 (W.012)

- Track work – peak, as shown in Figure 2 in Section 1.1

Work Scenario 14 (W.014)

- Track tamping, as shown in Figure 2 in Section 1.1

3.1 Bridge work – peak (W.010)

For W.010, the following vibration-intensive plant/equipment will be utilised (as per endorsed CNVIS):

- 1x Vibratory roller (7-13T)
- 1x Piling rig – bored
- 1x Excavator (20-30T) with large hydraulic hammer (1,600kg)

Comparisons of the Transport CNVG-PTI minimum working distances for cosmetic damage and human comfort (TfNSW CNVG-PTI) against the SLR Predict results, have been summarised and presented in Table 2, Table 3 and Table 4 below.

TABLE 2: VIBRATION CRITERIA EXCEEDANCES FOR W.010 (VIBRATORY ROLLER)

VIBRATION CRITERIA	VIBRATION CRITERIA	NUMBER OF RECEIVERS WITH VIBRATION CRITERIA EXCEEDANCE[1]
	Vibratory Roller (7-13T) TfNSW's CNVG PTI	SLR Predict – W.010
Cosmetic Damage (Residential and Light Commercial)	15m	5 properties
Cosmetic Damage for Unsound Heritage	31m	-
Cosmetic Damage (Industrial and Heavy Commercial)	8m	-
Human Comfort	100m	69 properties

Note 1: Some addresses have both residential and non-residential uses and therefore have been accounted for in each vibration criteria category triggered.

Table 2 shows the number of properties with potential to exceed the vibration criteria for cosmetic damage and human comfort. The majority of structures identified in the CNVIS Addendum for potential exceedance for cosmetic damage and human comfort have also been identified in the endorsed CNVIS. The South Signal Hut structure was not identified in the endorsed CNVIS for potential exceedance for human comfort; however, the structure is unoccupied and therefore there is no expected impact for human comfort. As noted in the SLR Predict results, the South Signal Hut structure has not been identified for potential exceedance for cosmetic damage.

TABLE 3: VIBRATION CRITERIA EXCEEDANCES FOR W.010 (PILING RIG)

VIBRATION CRITERIA	VIBRATION CRITERIA	NUMBER OF RECEIVERS WITH VIBRATION CRITERIA EXCEEDANCE[1]
	Piling Rig - Bored TfNSW's CNVG PTI	SLR Predict – W.010
Cosmetic Damage (Residential and Light Commercial)	2m (nominal)	2 properties
Cosmetic Damage for Unsound Heritage	5m	-

Cosmetic Damage (Industrial and Heavy Commercial)	11m	-
Human Comfort	4m	3 properties

Note 1: Some addresses have both residential and non-residential uses and therefore have been accounted for in each vibration criteria category triggered.

Table 3 shows the number of properties with potential to exceed the vibration criteria for cosmetic damage and human comfort. The majority of structures identified in the CNVIS Addendum for potential exceedance for cosmetic damage and human comfort have also been identified in the endorsed CNVIS. The South Signal Hut structure was not identified in the endorsed CNVIS for potential exceedance for human comfort; however, the structure is unoccupied and therefore there is no expected impact for human comfort. As noted in the SLR Predict results, the South Signal Hut structure has not been identified for potential exceedance for cosmetic damage.

TABLE 4: VIBRATION CRITERIA EXCEEDANCES FOR W.010 (LARGE HYDRAULIC HAMMER)

Note 1: Some addresses have both residential and non-residential uses and therefore have been accounted for in each vibration criteria category triggered.

VIBRATION CRITERIA	VIBRATION CRITERIA	NUMBER OF RECEIVERS WITH VIBRATION CRITERIA EXCEEDANCE[1]
	Large Hydraulic Hammer 1600 kg (18 to 34 t excavator) TfNSW's CNVG PTI	SLR Predict – W.010
Cosmetic Damage (Residential and Light Commercial)	22m	9 properties
Cosmetic Damage for Unsound Heritage	44m	-
Cosmetic Damage (Industrial and Heavy Commercial)	11m	-
Human Comfort	73m	40 properties

Note 1: Some addresses have both residential and non-residential uses and therefore have been accounted for in each vibration criteria category triggered.

Table 4 shows the number of properties with potential to exceed the vibration criteria for cosmetic damage and human comfort. The majority of structures identified in the CNVIS Addendum for potential exceedance for cosmetic damage and human comfort have also been identified in the endorsed CNVIS. The South Signal Hut structure was not identified in the endorsed CNVIS for potential exceedance for human comfort; however, the structure is unoccupied and therefore there is no expected impact for human comfort. As noted in the SLR Predict results, the South Signal Hut structure has not been identified for potential exceedance for cosmetic damage.

3.2 Track work – peak (W.012)

For W.012, the following vibration-intensive plant/equipment will be utilised (as per endorsed CNVIS):

- 1x Vibratory roller (7-13T)

A comparison of the Transport CNVG-PTI minimum working distances for cosmetic damage and human comfort (TfNSW CNVG-PTI) against the SLR Predict results, has been summarised and presented in Table 5 below.

TABLE 5: VIBRATION CRITERIA EXCEEDANCES FOR W.012 (VIBRATORY ROLLER)

VIBRATION CRITERIA	VIBRATION CRITERIA	NUMBER OF RECEIVERS WITH VIBRATION CRITERIA EXCEEDANCE[1]
	Vibratory Roller (7-13T) TfNSW's CNVG PTI	SLR Predict – W.010
Cosmetic Damage (Residential and Light Commercial)	15m	-
Cosmetic Damage for Unsound Heritage	31m	-
Cosmetic Damage (Industrial and Heavy Commercial)	8m	-
Human Comfort	100m	41 properties

Table 4 shows the number of properties with potential to exceed the vibration criteria for cosmetic damage and human comfort. The majority of structures identified in the CNVIS Addendum for potential exceedance for human comfort have also been identified in the endorsed CNVIS. The South Signal Hut structure was not identified in the endorsed CNVIS for potential exceedance for human comfort; however, the structure is unoccupied and therefore there is no expected impact for human comfort. As noted in the SLR Predict results, the South Signal Hut structure has not been identified for potential exceedance for cosmetic damage.

3.3 Track tamping (W.014)

For W.014, the following vibration-intensive plant/equipment will be utilised (as per endorsed CNVIS):

- 1x Ballast tamper

A comparison of the Transport CNVG-PTI minimum working distances for cosmetic damage and human comfort (TfNSW CNVG-PTI) against the SLR Predict results, has been summarised and presented in Table 5 below.

TABLE 6: VIBRATION EXCEEDANCES CRITERIA FOR W.014 (BALLAST TAMPER)

VIBRATION CRITERIA	VIBRATION CRITERIA	NUMBER OF RECEIVERS WITH VIBRATION CRITERIA EXCEEDANCE
	Ballast Tamping TfNSW's CNVG PTI	SLR Predict – W.010
Cosmetic Damage (Residential and Light Commercial)	5m	-
Cosmetic Damage for Unsound Heritage	10m	-
Cosmetic Damage (Industrial and Heavy Commercial)	3m	-
Human Comfort	30m	2 properties

Table 6 shows the number of properties with potential to exceed the vibration criteria for cosmetic damage and human comfort. The structure at 1 Edgar Street identified in this CNVIS Addendum for potential exceedance for human comfort was also identified in the endorsed CNVIS. The South Signal Hut structure was not identified in the endorsed CNVIS for potential exceedance for human comfort; however, the structure is unoccupied and therefore there is no expected impact for human comfort. As noted in the SLR Predict results, the South Signal Hut structure has not been identified for potential exceedance for cosmetic damage.

4 CONCLUSION

4.1 Mitigation and management measures

As this 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 endorsed CNVIS.

4.2 Additional mitigation measures

As noted in Figure 3 to Figure 5 below and under Appendixes A to E, the SLR Predict vibration 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 PeriodSunday 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 PeriodMonday - 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 PeriodMonday - 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

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

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 5: ADDITIONAL MITIGATION MEASURES MATRIX – NOTES

APPENDICES

APPENDIX A

SLR Predict (W.010) – Vibratory Roller

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.

Predicted Noise Levels

The assessment presents the highest predicted level at each receiver building, considering predictions at each floor and façade from all potential work areas. The assessment is generally considered conservative as the calculations assume several items of construction equipment are in use at the same time within each work area. The assessment uses ‘realistic worst-case’ scenarios to determine the impacts from the noisiest 15-minute period that is likely to occur for each work scenario.

Assessment Details

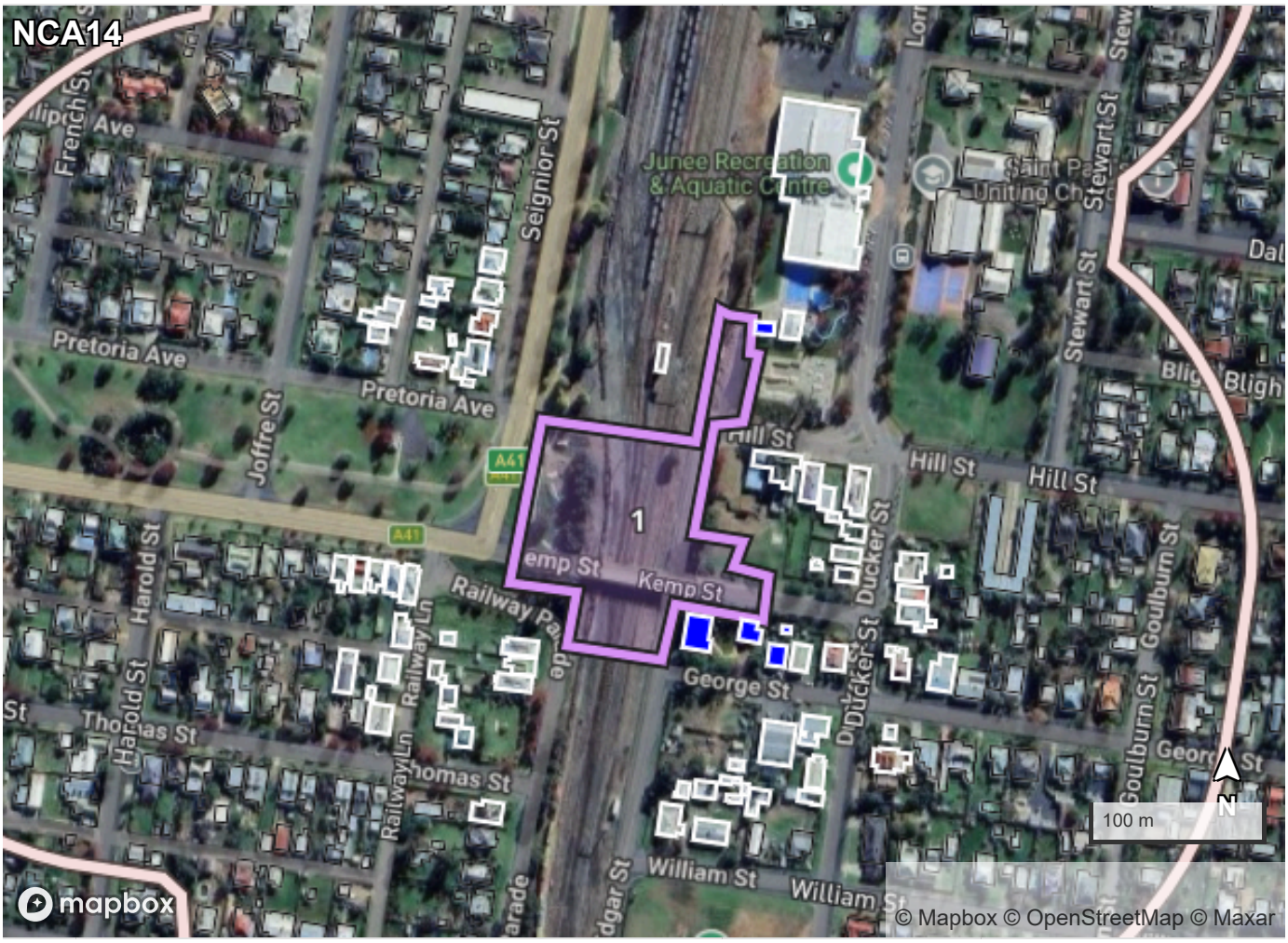
Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Kemp Street - CNVIS Addendum 3 (W.010)
Assessment Number	399
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-03-02
End Date	2026-03-02
Assessment Period	Vibration

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: W.010 (Height: Ground)	Total: 109		
Roller - vibratory (7-13t) 100% operation	109	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	3 properties	2 properties
Human Comfort	37 properties	32 properties
Cosmetic Damage for Unsound Heritage	0 property	0 property

Legend

Project Boundary
Work Areas
Barriers

Results by Receiver

Address	Land Use	Vibration Category
4 WILLIAM ST, JUNEE NSW 2663	RES	Human Comfort

Results by Receiver

Address	Land Use	Vibration Category
2 WILLIAM ST, JUNEE NSW 2663	RES	Human Comfort
19 RAILWAY PDE, JUNEE NSW 2663	RES	Human Comfort
8 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
4 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
8 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
2 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
4 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
4 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
1-3 GEORGE ST, JUNEE NSW 2663	GAR	Human Comfort
17 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
1-3 GEORGE ST, JUNEE NSW 2663	GAR	Human Comfort
16 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
5 GEORGE ST, JUNEE NSW 2663	OCC	Human Comfort
16 DUCKER ST, JUNEE NSW 2663	GAR	Human Comfort
3 THOMAS ST, JUNEE NSW 2663	RES	Human Comfort
7 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
9 THOMAS ST, JUNEE NSW 2663	RES	Human Comfort
3 THOMAS ST, JUNEE NSW 2663	GAR	Human Comfort
9 THOMAS ST, JUNEE NSW 2663	GAR	Human Comfort
11 RAILWAY PDE, JUNEE NSW 2663	RES	Human Comfort
14 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
11 RAILWAY PDE, JUNEE NSW 2663	GAR	Human Comfort
9 THOMAS ST, JUNEE NSW 2663	RES	Human Comfort
9 RAILWAY PDE, JUNEE NSW 2663	RES	Human Comfort
10 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
11 THOMAS ST, JUNEE NSW 2663	GAR	Human Comfort

Results by Receiver

Address	Land Use	Vibration Category
4 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
6 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
2 GEORGE ST, JUNEE NSW 2663	RES	Cosmetic Damage Human Comfort
7 RAILWAY PDE, JUNEE NSW 2663	RES	Human Comfort
7 RAILWAY PDE, JUNEE NSW 2663	GAR	Human Comfort
1 EDGAR ST, JUNEE NSW 2663	RES	Cosmetic Damage Human Comfort
1 EDGAR ST, JUNEE NSW 2663	RES	Cosmetic Damage Human Comfort
8 KEMP ST, JUNEE NSW 2663	GAR	Human Comfort
2 GEORGE ST, JUNEE NSW 2663	GAR	Cosmetic Damage Human Comfort
12 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
10 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
8 KEMP ST, JUNEE NSW 2663	RES	Human Comfort
10 KEMP ST, JUNEE NSW 2663	RES	Human Comfort
5 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
14 KEMP ST, JUNEE NSW 2663	RES	Human Comfort
12 KEMP ST, JUNEE NSW 2663	RES	Human Comfort
8 DUCKER ST, JUNEE NSW 2663	GAR	Human Comfort
16 KEMP ST, JUNEE NSW 2663	RES	Human Comfort
8 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
5 DUCKER ST, JUNEE NSW 2663	GAR	Human Comfort
3 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
1 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
11 HILL ST, JUNEE NSW 2663	GAR	Human Comfort
1-5 HILL ST, JUNEE NSW 2663	OHO	Human Comfort
2/3 PRETORIA AV, JUNEE NSW 2663	RES	Human Comfort

Results by Receiver

Address	Land Use	Vibration Category
1 PRETORIA AV, JUNEE NSW 2663	RES	Human Comfort
1 PRETORIA AV, JUNEE NSW 2663	GAR	Human Comfort
17 PRETORIA AV, JUNEE NSW 2663	GAR	Human Comfort
151 LORNE ST, JUNEE NSW 2663	GAR	Cosmetic Damage Human Comfort
1/3 PRETORIA AV, JUNEE NSW 2663	GAR	Human Comfort
65 SEIGNIOR ST, JUNEE NSW 2663	RES	Human Comfort
151 LORNE ST, JUNEE NSW 2663	GAR	Human Comfort
74 JOFFRE ST, JUNEE NSW 2663	GAR	Human Comfort
65 SEIGNIOR ST, JUNEE NSW 2663	GAR	Human Comfort
63 SEIGNIOR ST, JUNEE NSW 2663	RES	Human Comfort
63 SEIGNIOR ST, JUNEE NSW 2663	GAR	Human Comfort
61 SEIGNIOR ST, JUNEE NSW 2663	RES	Human Comfort
151 LORNE ST, JUNEE NSW 2663	COM	Human Comfort
7 HILL ST, JUNEE NSW 2663	RES	Human Comfort
9 HILL ST, JUNEE NSW 2663	RES	Human Comfort
-	GAR	Human Comfort
-	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.

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
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	>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

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.010) – Piling Rig

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.

Predicted Noise Levels

The assessment presents the highest predicted level at each receiver building, considering predictions at each floor and façade from all potential work areas. The assessment is generally considered conservative as the calculations assume several items of construction equipment are in use at the same time within each work area. The assessment uses ‘realistic worst-case’ scenarios to determine the impacts from the noisiest 15-minute period that is likely to occur for each work scenario.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Kemp Street - CNVIS Addendum 3 (W.010)
Assessment Number	399
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-03-02
End Date	2026-03-02
Assessment Period	Vibration

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: W.010 (Height: Ground)	Total: 112		
Piling Rig - Bored 100% operation	112	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	1 property	1 property
Human Comfort	2 properties	1 property
Cosmetic Damage for Unsound Heritage	0 property	0 property

Legend

Project Boundary
Work Areas
Barriers

Results by Receiver

Address	Land Use	Vibration Category
1 EDGAR ST, JUNEE NSW 2663	RES	Human Comfort

Results by Receiver

Address	Land Use	Vibration Category
1 EDGAR ST, JUNEE NSW 2663	RES	Cosmetic Damage Human Comfort
151 LORNE ST, JUNEE NSW 2663	GAR	Cosmetic Damage 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.

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

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.010) – Hydraulic Hammer

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.

Predicted Noise Levels

The assessment presents the highest predicted level at each receiver building, considering predictions at each floor and façade from all potential work areas. The assessment is generally considered conservative as the calculations assume several items of construction equipment are in use at the same time within each work area. The assessment uses ‘realistic worst-case’ scenarios to determine the impacts from the noisiest 15-minute period that is likely to occur for each work scenario.

Assessment Details

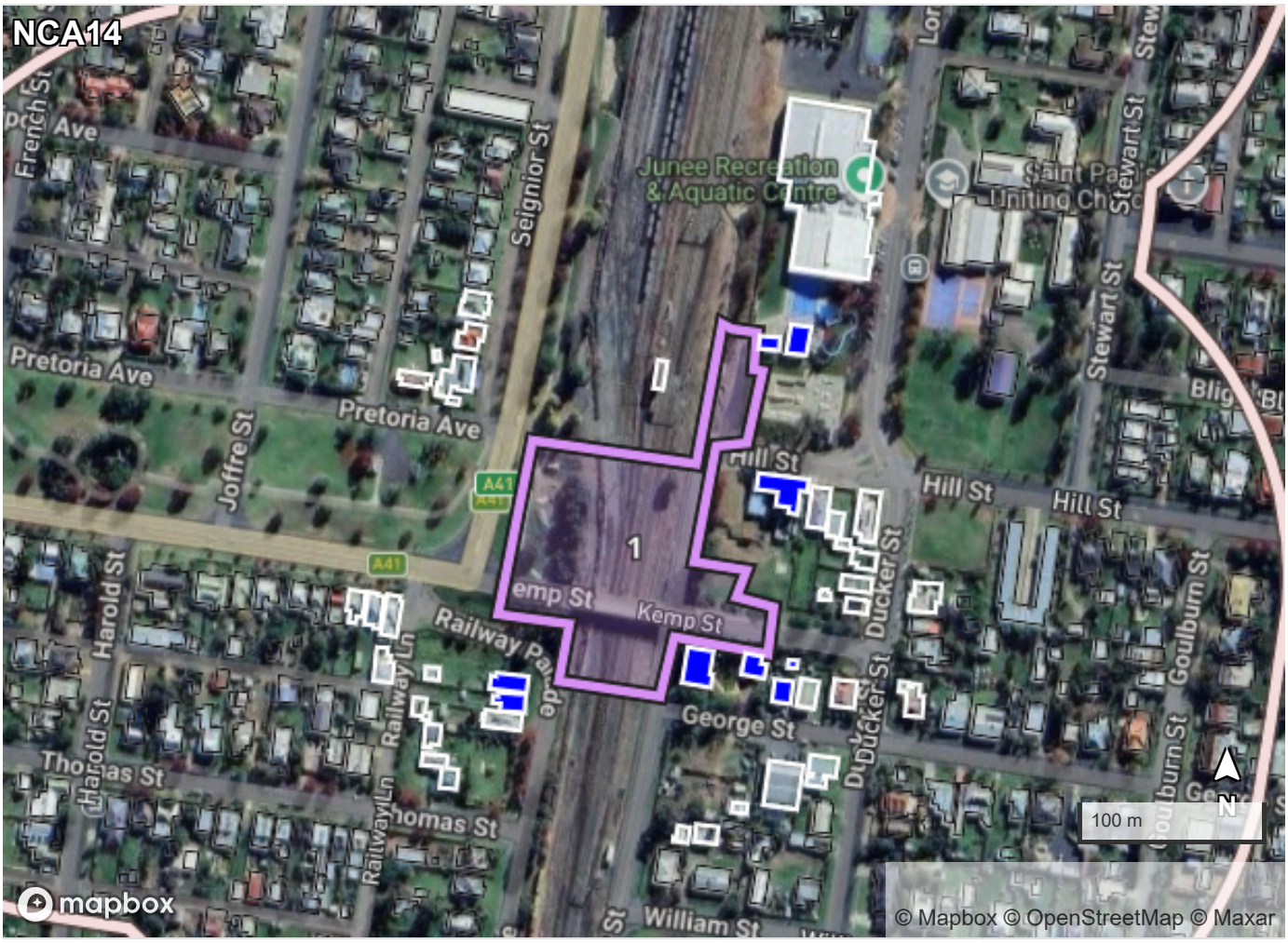
Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Kemp Street - CNVIS Addendum 3 (W.010)
Assessment Number	399
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-03-02
End Date	2026-03-02
Assessment Period	Vibration

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: W.010 (Height: Ground)	Total: 122		
Excavator 20-30T + hydraulic hammer 100% operation	122	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	5 properties	4 properties
	Human Comfort	24 properties	18 properties
	Cosmetic Damage for Unsound Heritage	0 property	0 property

Legend

	Project Boundary
	Work Areas
	Barriers

Results by Receiver

Address	Land Use	Vibration Category
2 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort

Results by Receiver

Address	Land Use	Vibration Category
4 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
1-3 GEORGE ST, JUNEE NSW 2663	GAR	Human Comfort
5 GEORGE ST, JUNEE NSW 2663	OCC	Human Comfort
3 THOMAS ST, JUNEE NSW 2663	RES	Human Comfort
7 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
3 THOMAS ST, JUNEE NSW 2663	GAR	Human Comfort
11 RAILWAY PDE, JUNEE NSW 2663	RES	Human Comfort
11 RAILWAY PDE, JUNEE NSW 2663	GAR	Human Comfort
9 RAILWAY PDE, JUNEE NSW 2663	RES	Cosmetic Damage Human Comfort
10 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
4 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
6 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
2 GEORGE ST, JUNEE NSW 2663	RES	Cosmetic Damage Human Comfort
7 RAILWAY PDE, JUNEE NSW 2663	RES	Cosmetic Damage Human Comfort
7 RAILWAY PDE, JUNEE NSW 2663	GAR	Human Comfort
1 EDGAR ST, JUNEE NSW 2663	RES	Cosmetic Damage Human Comfort
1 EDGAR ST, JUNEE NSW 2663	RES	Cosmetic Damage Human Comfort
8 KEMP ST, JUNEE NSW 2663	GAR	Human Comfort
2 GEORGE ST, JUNEE NSW 2663	GAR	Cosmetic Damage Human Comfort
8 KEMP ST, JUNEE NSW 2663	RES	Human Comfort
10 KEMP ST, JUNEE NSW 2663	RES	Human Comfort
5 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
12 KEMP ST, JUNEE NSW 2663	RES	Human Comfort
8 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
5 DUCKER ST, JUNEE NSW 2663	GAR	Human Comfort

Results by Receiver

Address	Land Use	Vibration Category
3 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
1 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
11 HILL ST, JUNEE NSW 2663	GAR	Human Comfort
1-5 HILL ST, JUNEE NSW 2663	OHO	Cosmetic Damage Human Comfort
2/3 PRETORIA AV, JUNEE NSW 2663	RES	Human Comfort
1 PRETORIA AV, JUNEE NSW 2663	RES	Human Comfort
1 PRETORIA AV, JUNEE NSW 2663	GAR	Human Comfort
151 LORNE ST, JUNEE NSW 2663	GAR	Cosmetic Damage Human Comfort
65 SEIGNIOR ST, JUNEE NSW 2663	RES	Human Comfort
151 LORNE ST, JUNEE NSW 2663	GAR	Cosmetic Damage Human Comfort
63 SEIGNIOR ST, JUNEE NSW 2663	RES	Human Comfort
151 LORNE ST, JUNEE NSW 2663	COM	Human Comfort
7 HILL ST, JUNEE NSW 2663	RES	Human Comfort
9 HILL ST, JUNEE NSW 2663	RES	Human Comfort
-	GAR	Human Comfort
-	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.

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

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 D

SLR Predict (W.012) – Vibratory Roller

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.

Predicted Noise Levels

The assessment presents the highest predicted level at each receiver building, considering predictions at each floor and façade from all potential work areas. The assessment is generally considered conservative as the calculations assume several items of construction equipment are in use at the same time within each work area. The assessment uses ‘realistic worst-case’ scenarios to determine the impacts from the noisiest 15-minute period that is likely to occur for each work scenario.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Kemp Street - CNVIS Addendum 3 (W.012)
Assessment Number	400
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-03-02
End Date	2026-03-02
Assessment Period	Vibration

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: W.014 (Height: Ground)	Total: 109		
Roller - vibratory (7-13t) 100% operation	109	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	0 property
	Human Comfort	21 properties	20 properties
	Cosmetic Damage for Unsound Heritage	0 property	0 property

Legend

	Project Boundary
	Work Areas
	Barriers

Results by Receiver

Address	Land Use	Vibration Category
4 WILLIAM ST, JUNEE NSW 2663	RES	Human Comfort

Results by Receiver

Address	Land Use	Vibration Category
2 WILLIAM ST, JUNEE NSW 2663	RES	Human Comfort
8 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
4 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
2 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
4 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
4 WILLIAM ST, JUNEE NSW 2663	GAR	Human Comfort
1-3 GEORGE ST, JUNEE NSW 2663	GAR	Human Comfort
1-3 GEORGE ST, JUNEE NSW 2663	GAR	Human Comfort
5 GEORGE ST, JUNEE NSW 2663	OCC	Human Comfort
3 THOMAS ST, JUNEE NSW 2663	RES	Human Comfort
7 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
3 THOMAS ST, JUNEE NSW 2663	GAR	Human Comfort
11 RAILWAY PDE, JUNEE NSW 2663	RES	Human Comfort
11 RAILWAY PDE, JUNEE NSW 2663	GAR	Human Comfort
9 RAILWAY PDE, JUNEE NSW 2663	RES	Human Comfort
4 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
6 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
2 GEORGE ST, JUNEE NSW 2663	RES	Human Comfort
7 RAILWAY PDE, JUNEE NSW 2663	RES	Human Comfort
7 RAILWAY PDE, JUNEE NSW 2663	GAR	Human Comfort
1 EDGAR ST, JUNEE NSW 2663	RES	Human Comfort
1 EDGAR ST, JUNEE NSW 2663	RES	Human Comfort
2 GEORGE ST, JUNEE NSW 2663	GAR	Human Comfort
5 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
5 DUCKER ST, JUNEE NSW 2663	GAR	Human Comfort
3 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort

Results by Receiver

Address	Land Use	Vibration Category
1 DUCKER ST, JUNEE NSW 2663	RES	Human Comfort
11 HILL ST, JUNEE NSW 2663	GAR	Human Comfort
1-5 HILL ST, JUNEE NSW 2663	OHO	Human Comfort
2/3 PRETORIA AV, JUNEE NSW 2663	RES	Human Comfort
1 PRETORIA AV, JUNEE NSW 2663	RES	Human Comfort
1 PRETORIA AV, JUNEE NSW 2663	GAR	Human Comfort
151 LORNE ST, JUNEE NSW 2663	GAR	Human Comfort
65 SEIGNIOR ST, JUNEE NSW 2663	RES	Human Comfort
151 LORNE ST, JUNEE NSW 2663	GAR	Human Comfort
63 SEIGNIOR ST, JUNEE NSW 2663	RES	Human Comfort
7 HILL ST, JUNEE NSW 2663	RES	Human Comfort
9 HILL ST, JUNEE NSW 2663	RES	Human Comfort
-	GAR	Human Comfort
-	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.

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

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 E

SLR Predict (W.014) – Ballast Tamper

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.

Predicted Noise Levels

The assessment presents the highest predicted level at each receiver building, considering predictions at each floor and façade from all potential work areas. The assessment is generally considered conservative as the calculations assume several items of construction equipment are in use at the same time within each work area. The assessment uses ‘realistic worst-case’ scenarios to determine the impacts from the noisiest 15-minute period that is likely to occur for each work scenario.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Kemp Street - CNVIS Addendum 3 (W.014)
Assessment Number	400
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-02-26
End Date	2026-02-26
Assessment Period	Vibration

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: W.014 (Height: Ground)	Total: 115		
Ballast Tamper 100% operation	115	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	0 property
Human Comfort	1 property	1 property
Cosmetic Damage for Unsound Heritage	0 property	0 property

Legend

Project Boundary
Work Areas
Barriers

Results by Receiver

Address	Land Use	Vibration Category
1 EDGAR ST, JUNEE NSW 2663	RES	Human Comfort

Results by Receiver

Address	Land Use	Vibration Category
-	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.

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

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