INLAND RAIL

MURRAY RIVER BRIDGE – CONSTRUCTION NOISE AND VIBRATION IMPACT STATEMENT ADDENDUM

A2I I Albury to Illabo

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PROJECT DOCUMENT NUMBER:

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Revision History

REVISION	REVISION DATE	AMENDMENT	DATE TO CLIENT
A	10/12/2025	For review	10/12/2025
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0.1	17/04/2026	Updated to consider night OOHW and May possession revised plant list W.004A for review	17/04/2026
1	24/04/2026	Updated to consider night OOHW and May possession revised plant list W.004A for use	28/04/2026

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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
km	Kilometres
m	Metres
Murray River bridge CNVIS	Murray River bridge Construction Noise and Vibration Impact Statement (Doc No. 6-0052-210-EEC-B1-AS-0001)
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
TfNSW CNVG-PTI	Transport for NSW's Construction Noise and Vibration Guideline Public Transport Infrastructure (September 2023)
W.001A	Work Scenario 1A – Site establishment activities (additional work area)
W.002A	Work Scenario 2A – Site compound operation (additional work area)
W.004A	Work Scenario 4A – Bridge Work - Peak

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 additional work area required to support and enable the wider scope of activities associated with the Murray River bridge enhancement site (Murray River bridge), as shown in Figure 1 below. In addition, the CNVIS Addendum has been amended to include and assess an updated plant list within the Night OOHW period to enable bridge structural modifications (Figure 2) for the May 2026 possession.

This Addendum will form part of the endorsed Construction Noise and Vibration Impact Statement (CNVIS) (Doc No:6-0052-210-EEC-B1-AS-0001) for Murray River bridge. This Addendum should be reviewed in conjunction with the CNVIS for Murray River bridge, including adopted Rating Background Levels (RBL), Noise Management Levels (NML) and assessment criteria in accordance with the Conditions of Approval (CoA) (SSI-10055).

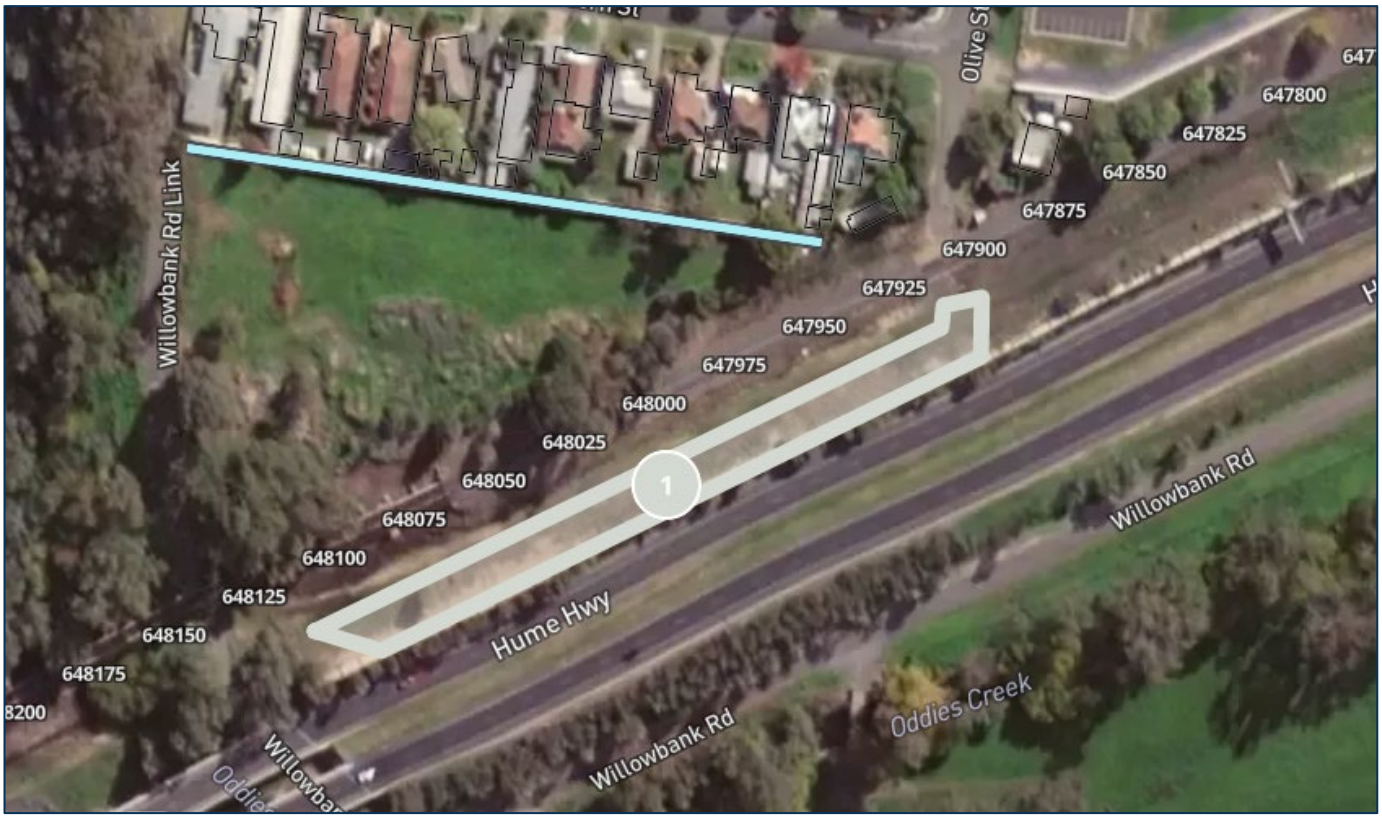


FIGURE 1: ADDITIONAL WORK AREA REQUIRED FOR W.001A AND W.002A (MURRAY RIVER BRIDGE CNVIS ADDENDUM)

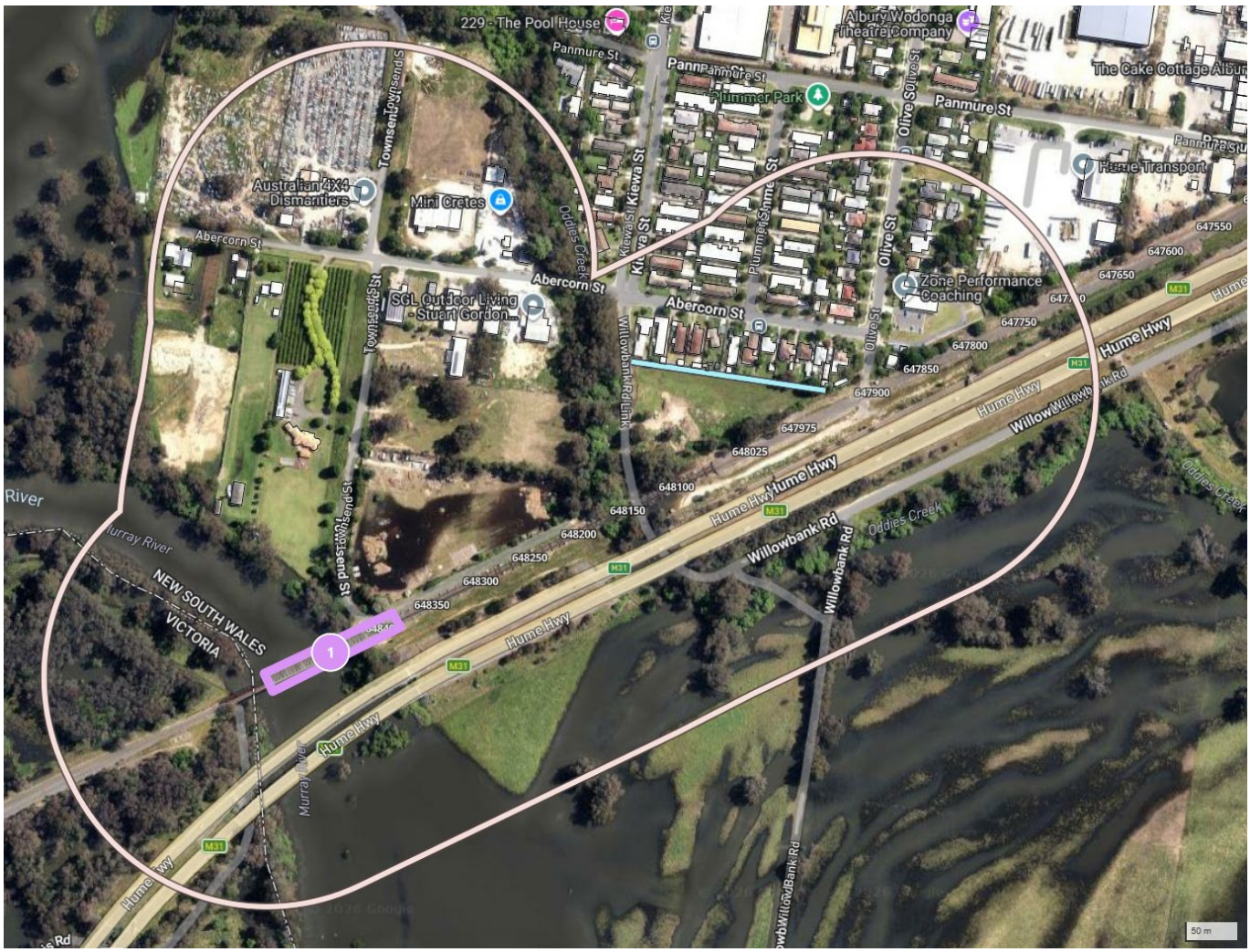


FIGURE 2: CNVIS WORK AREA REQUIRED FOR W.004A DURING NIGHT OOHW PERIOD WITH UPDATED PLANT LIST FOR MAY POSSESSION (MURRAY RIVER BRIDGE CNVIS ADDENDUM (REV. 1))

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.001A	Site establishment activities	▪ Site compound delivery and set up ▪ Access road and laydown construction	115
W.002A	Site compound operation	▪ Operation of the site compound ▪ Delivery of materials and equipment ▪ Facilitating two-way construction traffic	113
W.004A	Bridge Work - Peak	Bridge Structural Modifications Comprising: ▪ Install safe passage walkways and handrails ▪ Removal of existing stanchions and top chord bracings ▪ Install new stanchions for the top chord bracings ▪ Fabricate new top chord bracings onto new stanchions	114

2.1 Site establishment activities (W.001A)

2.1.1 Scope

The additional work area required for Murray River bridge forms part of the wider scope associated at the Murray River bridge enhancement site and will enable site establishment works. This CNVIS addendum has assessed the additional work area, which consists of the work area identified in the Murray River bridge Consistency Assessment (CA) (Doc No: 6-0052-210-EAP-B1-AS-0001). The additional 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
- Front end loader
- Generator
- 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):
  - 8am to 6pm Sunday and Public Holidays.

2.1.2 Assessment

As noted above, the additional work area 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 is representative to site working conditions.

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 Murray River bridge CNVIS
- W.001A exceedances identified in the SLR Predict results for the additional work area shown in Figure 1

TABLE 3: EXCEEDANCE COMPARISONS FOR W.001A

ASSESSMENT RESULTS (DAYTIME OOH)	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.001	SLR Predict – W.001A (additional work area)
Total Lw (dBA)	**115**	**115**
Noticeable (1-5 dB)	45	35
Clearly Audible (6-15 dB)	37	24
Moderately Intrusive (16-25 dB)	9	2
Highly Intrusive (>25 dB)	2	0

Table 3 shows a decrease in intensity of impacts resulting from the current proposed scenario (last column). There is a decrease in residential receivers with the potential to experience noticeable (1-5 dB), clearly audible (6-15 dB), moderately intrusive (16-25 dB) and highly intrusive (>25 dB). All applicable mitigation measures will be implemented for all affected receivers as per Section 4.

2.2 Site compound operation (W.002A)

2.2.1 Scope

The additional work area required for Murray River bridge forms part of the wider scope associated at the Murray River bridge enhancement site and will enable site compound operations. This CNVIS addendum has assessed the additional work area, which consists of the work area identified in the Murray River bridge Consistency Assessment (CA) (Doc No: 6-0052-210-EAP-B1-AS-0001). The additional 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

- Operation of the site compound
- Delivery of materials, plant and equipment

- Facilitating two-way construction traffic

Plant and equipment

- Compressor
- Crane franna (20T)
- Front end loader
- Generator
- Hand tools (electric)
- Light vehicles
- 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 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

As noted above, the additional work area 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 is representative to site working conditions.

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.002 exceedances identified in the Murray River bridge CNVIS
- W.002A exceedances identified in the SLR Predict results for the additional work area shown in Figure 1

TABLE 4: EXCEEDANCE COMPARISONS FOR W.002A

ASSESSMENT RESULTS (NIGHT-TIME OOH)	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.002	SLR Predict – W.002A (additional work area)
Total Lw (dBA)	**113**	**113**
Noticeable (1-5 dB)	45	50
Clearly Audible (6-15 dB)	47	39
Moderately Intrusive (16-25 dB)	13	3

ASSESSMENT RESULTS (NIGHT-TIME OOH)	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.002	SLR Predict – W.002A (additional work area)
Highly Intrusive (>25 dB)	2	0
Above Sleep Disturbance (>Screening level)	93	26
Above Sleep Awake (>65 dB)	30	2

Table 4 shows an overall decrease in intensity of impacts resulting from the current proposed scenario (last column). There is a slight increase in residential receivers with the potential to experience noticeable (1-5 dB) impacts. However an overall decrease in residential receivers with the potential to experience clearly audible (6-15 dB), moderately intrusive (16-25 dB), highly intrusive (>25 dB), above sleep disturbance and above sleep awake impacts. All applicable mitigation measures will be implemented for all affected receivers as per Section 4.

2.3 Bridge Work - Peak (W.004A)

2.3.1 Scope

The updated plant list for May possession within the Night OOHW period required for Murray River bridge forms part of the wider scope associated at the Murray River bridge enhancement site and will enable bridge structural modifications, focussing on chords 2 and 6. The works to be carried out within the Night OOHW periods are most likely to include 6ft walkway fitment and handrails installation. In terms of respite, works during the Night OOHW period for May possession are likely to be limited to two consecutive nights only. This CNVIS addendum has assessed the updated plant list within the Night OOHW period (inclusive of Evening OOHW period), which consists of the work area identified in the Murray River bridge Consistency Assessment (CA) (Doc No: 6-0052-210-EAP-B1-AS-0001). The updated plant list for May possession within the Night OOHW period will be assessed using SLR Predict, the A2I noise and vibration management tool, with the following noted (as per the endorsed CNVIS):

Activity

Bridge Structural Modifications Comprising:

- Install safe passage walkways and handrails
- Removal of existing stanchions and top chord bracings
- Install new stanchions for the top chord bracings
- Fabricate new top chord bracings onto new stanchions

Plant and equipment

- Hi-Rail Truck/Trolley
- Hi-Rail Excavator (20T)
- Elevated Work Platform
- Hi-Rail Crane
- Hand tools (electric)
- Oxy cutting torch
- Saw – circular
- Grinder

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)

2.3.2 Assessment

As noted above, the additional work area 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 is representative to site working conditions.

2.3.3 Results

The SLR Predict results are presented in Appendix C, 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.004 exceedances identified in the Murray River bridge CNVIS (noting W.004 was not assessed for the Night OOHW period)
- W.004A exceedances identified in the SLR Predict results for the updated plant list within the Night OOHW period at the work area shown in Figure 1

TABLE 5: EXCEEDANCE COMPARISONS FOR W.004A

ASSESSMENT RESULTS (NIGHT-TIME OOH)	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE
	SLR Predict – W.004A (updated plant list within the Night OOHW period)
Total Lw (dBA)	**114**
Noticeable (1-5 dB)	16
Clearly Audible (6-15 dB)	3
Moderately Intrusive (16-25 dB)	0
Highly Intrusive (>25 dB)	0
Above Sleep Disturbance (>Screening level)	35
Above Sleep Awake (>65 dB)	2

Table 4 shows the intensity of impacts resulting from the current proposed scenario (last column), nothing that W.004 was *not assessed* for the Night OOHW period in Murray River bridge CNVIS. Due to the proposed scenario there are residential receivers with the potential to experience noticeable (1-5 dB) and clearly audible (6-15 dB) impacts during the Night OOHW period. In addition, there are a moderate number of residential receivers during the Night OOHW period with the potential to experience above sleep disturbance, with a reduced number with the potential to experience above sleep awake impacts. In terms of respite, works during the Night OOHW period for May possession are likely to be limited to two consecutive nights only. All applicable mitigation measures will be implemented for all affected receivers as per Section 4.

3 VIBRATION ASSESSMENT

3.1 Site establishment activities (W.001A)

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

3.2 Site compound operation (W.002A)

There are no vibration intensive plant and equipment proposed as part of W.002A; therefore, no vibration impacts are expected.

3.3 Bridge Work – Peak (W.004A)

There are no vibration intensive plant and equipment proposed as part of W.004A; 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 Murray River bridge, 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, Figure 4 and under Appendices A to C, 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 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

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 4: ADDITIONAL MITIGATION MEASURES MATRIX – NOISE & VIBRATION

APPENDICES

APPENDIX A

SLR Predict (W.001A) - 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 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	Murray River bridge CNVIS Addendum (W.001A)
Assessment Number	65
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-02-23
End Date	2026-02-23
Assessment Period	Day - out of hours

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: Work Area (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
Excavator - Slasher 30% operation	105	1	No
Front End Loader 50% operation	113	1	No
Generator - attenuated 100% operation	92	1	No
Hand tools (electric) 75% operation	102	3	No

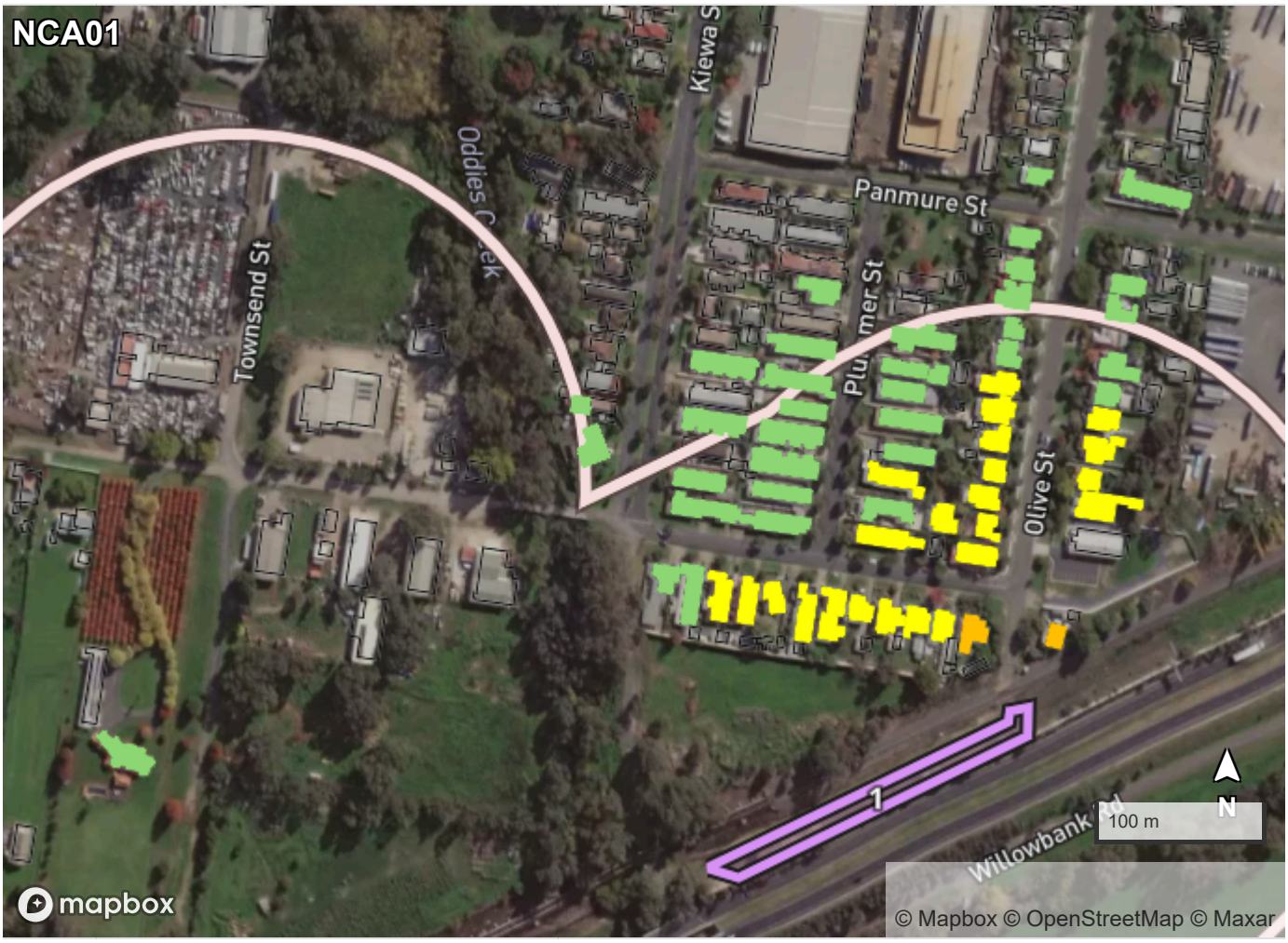
Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.
Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
Light Vehicle (accelerating) 25% operation	95	2	No
Roller - static 100% operation	107	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	105	1	No
Tractor - Slasher 50% operation	108	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



Assessment Results

	Residential	Non-Residential
Highly Intrusive	0 property	0 property
Moderately Intrusive	2 properties	0 property
Clearly Audible	24 properties	0 property
Noticeable	35 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
182 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	69	19	Moderately Intrusive
501 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	68	18	Moderately Intrusive
509 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	64	14	Clearly Audible
505 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	62	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
511 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	62	12	Clearly Audible
2/517 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	62	12	Clearly Audible
185 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	62	12	Clearly Audible
515 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	61	11	Clearly Audible
1/189 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	61	11	Clearly Audible
192 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	60	10	Clearly Audible
191 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	60	10	Clearly Audible
2/521 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	58	8	Clearly Audible
517 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	58	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
196A OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	58	8	Clearly Audible
195 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	58	8	Clearly Audible
198 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	58	8	Clearly Audible
2/527 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	57	7	Clearly Audible
525 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	57	7	Clearly Audible
4/516 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	57	7	Clearly Audible
1/189 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	57	7	Clearly Audible
1/194 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	57	7	Clearly Audible
199 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	57	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
531 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	56	6	Clearly Audible
202 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	56	6	Clearly Audible
201 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	56	6	Clearly Audible
205 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	56	6	Clearly Audible
3/535 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	55	5	Noticeable
539 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	55	5	Noticeable
1/185 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	55	5	Noticeable
206 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	55	5	Noticeable
209 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	55	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
210 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	55	5	Noticeable
186 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	54	4	Noticeable
1/189 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	54	4	Noticeable
1/195 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	54	4	Noticeable
1/199 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	54	4	Noticeable
211 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	54	4	Noticeable
221 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	54	4	Noticeable
3/193 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	53	3	Noticeable
1/196 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	53	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
201 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	53	3	Noticeable
216 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	53	3	Noticeable
215 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	53	3	Noticeable
220 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	53	3	Noticeable
219 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	53	3	Noticeable
587 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	52	2	Noticeable
192 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	52	2	Noticeable
191 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	52	2	Noticeable
3/200 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	52	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
1/202 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	52	2	Noticeable
3/210 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	52	2	Noticeable
3/190 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	1	Noticeable
1/196 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	1	Noticeable
1/195 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	1	Noticeable
2/206 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	1	Noticeable
2/206 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	1	Noticeable
4/202 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	1	Noticeable
2/205 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	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
211 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	1	Noticeable
2/228 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	1	Noticeable
225 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	50	51	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
	>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.002A) - 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 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	Murray River bridge CNVIS Addendum (W.002A)
Assessment Number	65
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-02-25
End Date	2026-02-25
Assessment Period	Night - out of hours

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: Work Area (Height: Ground)	Total: 113		
Compressor 50% operation	109	1	No
Crane Franna (20 tonne) 30% operation	98	1	No
Front End Loader 50% operation	113	1	No
Generator - attenuated 100% operation	92	1	No
Hand tools (electric) 75% operation	102	1	No
Light Vehicle (accelerating) 25% operation	95	15	No
Truck - medium rigid (20T) 25% operation	103	2	No

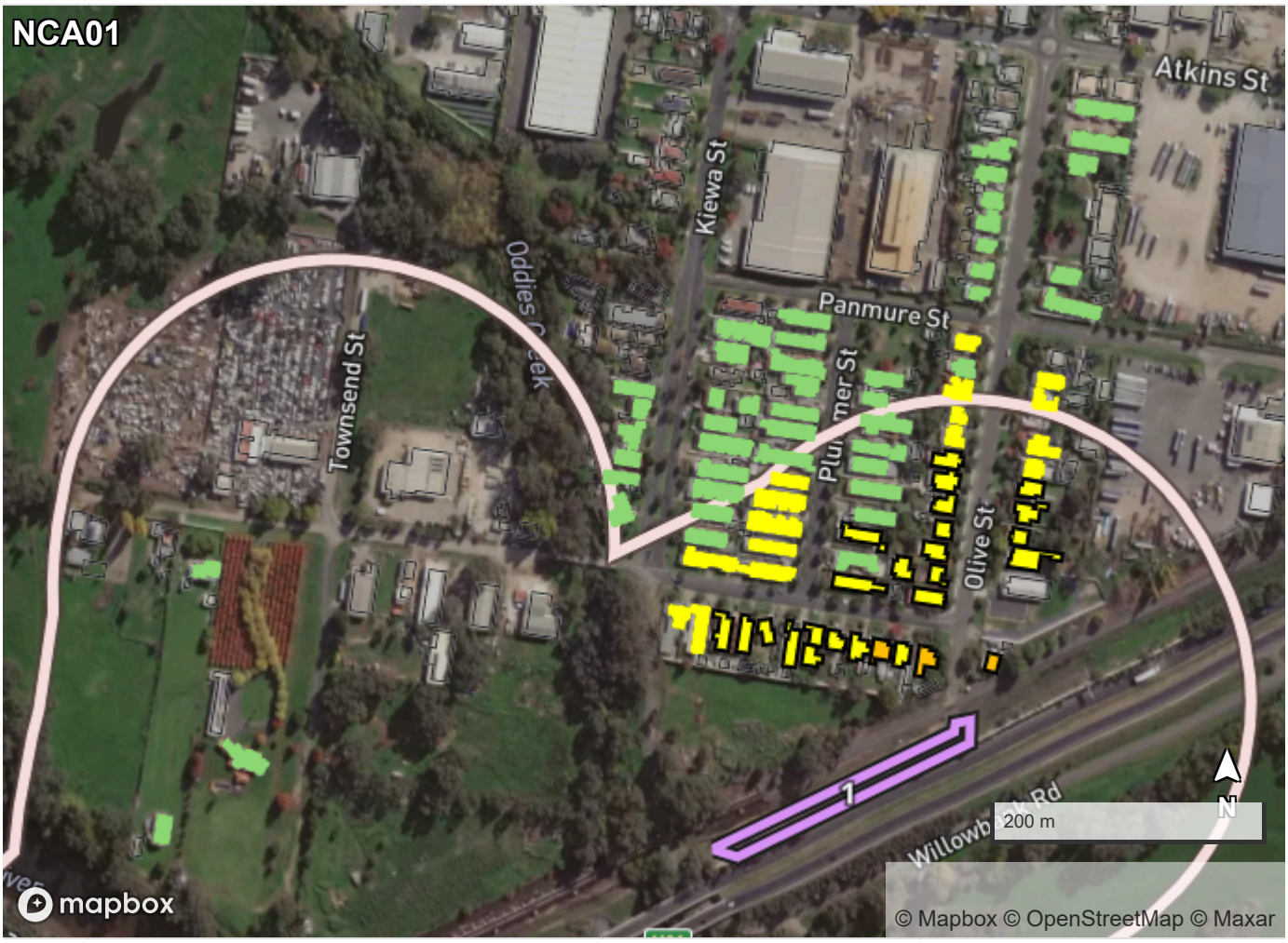
Note 1: Equipment classed as 'annoying' in the *Interim Construction Noise Guideline (DECC, 2009)* include a 5 dB correction.
Note 2: Equipment sound power levels consider the mitigation measures outlined in the overarching CNVIS to provide mitigated results.

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
Truck - road truck/ truck & dog (30T) 25% operation	108	1	No
Water Cart 75% 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	0 property	0 property
	Moderately Intrusive	3 properties	0 property
	Clearly Audible	39 properties	0 property
	Noticeable	50 properties	0 property

Assessment Results

	Above Sleep Disturbance	26 properties	0 property
	Above Sleep Awake	2 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
501 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	67	21	Moderately Intrusive Above Sleep Dist Above Sleep Awake
182 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	67	21	Moderately Intrusive Above Sleep Dist Above Sleep Awake
509 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	62	16	Moderately Intrusive Above Sleep Dist
511 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	61	15	Clearly Audible 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
185 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	61	15	Clearly Audible Above Sleep Dist
505 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	60	14	Clearly Audible Above Sleep Dist
2/517 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	60	14	Clearly Audible Above Sleep Dist
1/189 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	60	14	Clearly Audible Above Sleep Dist
515 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	59	13	Clearly Audible Above Sleep Dist
192 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	59	13	Clearly Audible Above Sleep Dist
191 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	58	12	Clearly Audible Above Sleep Dist
517 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	57	11	Clearly Audible Above Sleep Dist
196A OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	57	11	Clearly Audible 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
195 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	57	11	Clearly Audible Above Sleep Dist
198 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	57	11	Clearly Audible Above Sleep Dist
2/521 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	56	10	Clearly Audible Above Sleep Dist
525 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	56	10	Clearly Audible Above Sleep Dist
4/516 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	56	10	Clearly Audible Above Sleep Dist
199 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	56	10	Clearly Audible Above Sleep Dist
2/527 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	55	9	Clearly Audible Above Sleep Dist
531 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	55	9	Clearly Audible Above Sleep Dist
1/189 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	55	9	Clearly Audible 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
1/194 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	55	9	Clearly Audible Above Sleep Dist
202 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	55	9	Clearly Audible Above Sleep Dist
201 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	55	9	Clearly Audible Above Sleep Dist
3/535 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	54	8	Clearly Audible
539 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	54	8	Clearly Audible
205 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	54	8	Clearly Audible Above Sleep Dist
1/185 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	53	7	Clearly Audible
206 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	53	7	Clearly Audible
209 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	53	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
211 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	53	7	Clearly Audible
221 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	53	7	Clearly Audible
210 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	53	7	Clearly Audible
186 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	52	6	Clearly Audible
1/189 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	52	6	Clearly Audible
3/193 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	52	6	Clearly Audible
1/195 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	52	6	Clearly Audible
1/199 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	52	6	Clearly Audible
216 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	52	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
215 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	52	6	Clearly Audible
220 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	52	6	Clearly Audible
587 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	51	5	Noticeable
192 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	51	5	Noticeable
1/196 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	51	5	Noticeable
1/202 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	51	5	Noticeable
201 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	51	5	Noticeable
219 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	51	5	Noticeable
191 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	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
1/196 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	4	Noticeable
3/200 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	4	Noticeable
2/206 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	4	Noticeable
2/205 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	4	Noticeable
3/210 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	4	Noticeable
211 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	4	Noticeable
2/228 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	4	Noticeable
599 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
3/190 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	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
1/195 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
2/195 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
200 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
2/206 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
4/202 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
201 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
4/209 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
2/215 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
225 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	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
229 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
243 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
247 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable
599 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
4/194 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
199 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
1/212 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
214 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
2/219 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	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
230 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
233 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
235 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
246 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
1/252 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
2/216 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable
599 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable
UNIT 1 206 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable
205 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable
210 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	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
210 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable
209 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable
220 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable
4/223 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable
239 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable
4/252 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	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.

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	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.004A) - 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 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

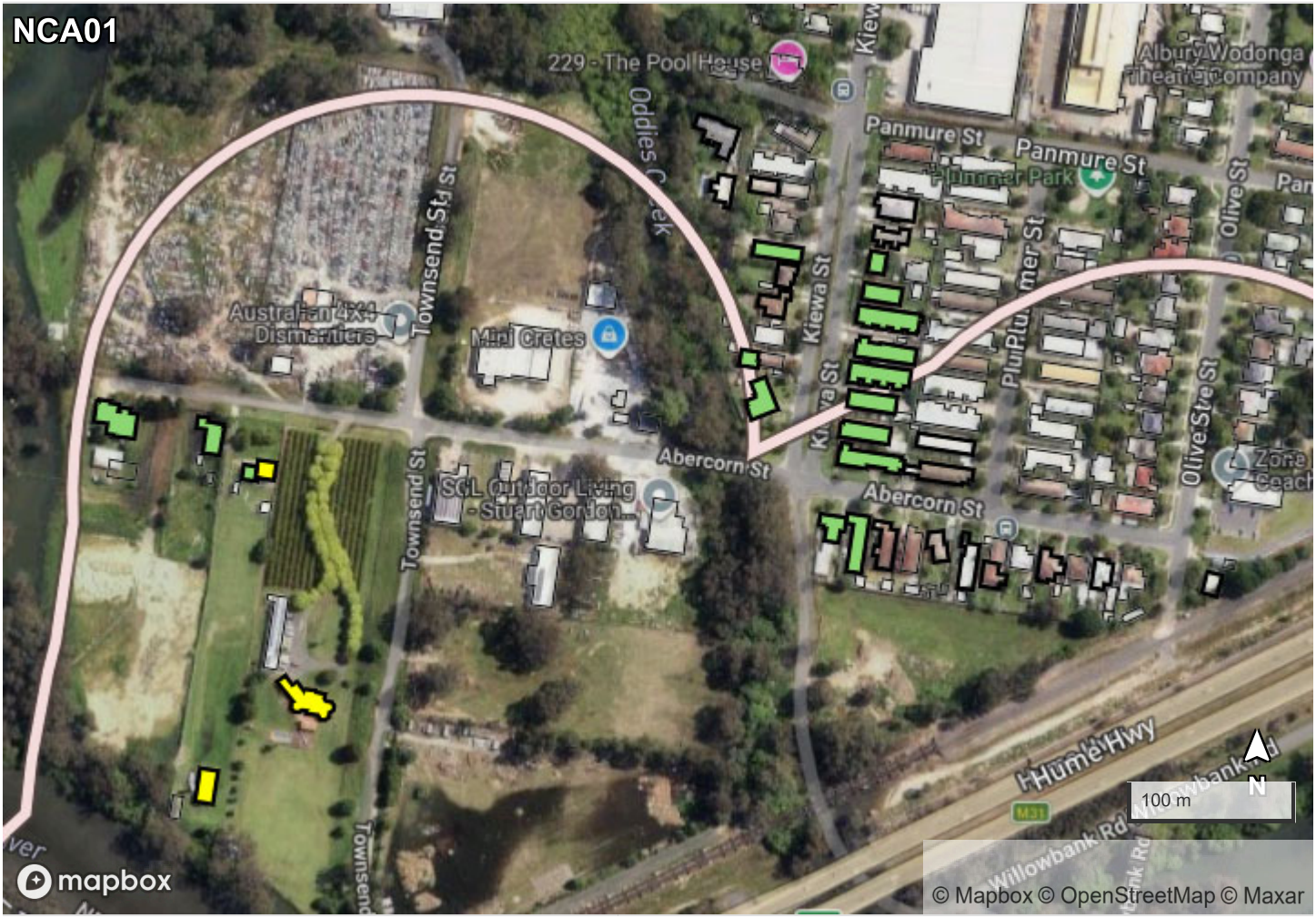
Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Murray River Bridge CNVIS Addendum 1 (Rev. 1) (W.004A)
Assessment Number	467
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-04-16
End Date	2026-04-16
Assessment Period	Night - out of hours

Equipment Details

Plant/Equipment	Equipment Sound Power Level (Unadjusted), dBA	Number of Units	Temporary Noise Barrier
1: W.004A (Height: Ground)	Total: 114		
Hi-Rail Truck/Trolley 25% operation	103	1	No
Hi-Rail Excavator (20T) 50% operation	105	1	No
Elevated Work Platform 100% operation	97	1	No
Hi-Rail Crane 30% operation	104	1	No
Hand tools (electric) 75% operation	102	2	No
Oxy cutting torch 25% operation	105	1	No
Saw - circular 25% operation	118	1	No
Grinder 30% 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	0 property	0 property
Moderately Intrusive	0 property	0 property
Clearly Audible	3 properties	0 property
Noticeable	16 properties	0 property
Above Sleep Disturbance	35 properties	0 property
Above Sleep Awake	2 properties	0 property

Legend

Project Boundary
Work Areas
Barriers

Results by Receiver

Facade/Floor: Show, Minimum floor to show: 0

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
599 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	59	13	Clearly Audible Above Sleep Dist Above Sleep Awake
587 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	58	12	Clearly Audible Above Sleep Dist Above Sleep Awake
599 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	52	6	Clearly Audible Above Sleep Dist
539 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	51	5	Noticeable Above Sleep Dist
3/535 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	4	Noticeable Above Sleep Dist
599 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	50	4	Noticeable Above Sleep Dist
186 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable Above Sleep Dist
3/190 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable Above Sleep Dist
605 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable Above Sleep Dist
609 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable Above Sleep Dist
191 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable Above Sleep Dist
1/195 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	49	3	Noticeable Above Sleep Dist
4/194 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable Above Sleep Dist
1/196 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable Above Sleep Dist
200 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	48	2	Noticeable Above Sleep Dist
4/202 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable Above Sleep Dist
UNIT 1 206 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable Above Sleep Dist
210 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable Above Sleep Dist
209 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	47	1	Noticeable Above Sleep Dist
505 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	45	-1	Above Sleep Dist
511 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	45	-1	Above Sleep Dist
2/521 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	45	-1	Above Sleep Dist
2/517 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	45	-1	Above Sleep Dist
525 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	45	-1	Above Sleep Dist
531 ABERCORN ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	46	0	Above Sleep Dist
1/185 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	45	-1	Above Sleep Dist
1/189 PLUMMER ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	44	-2	Above Sleep Dist
201 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	46	0	Above Sleep Dist
205 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	46	0	Above Sleep Dist
1/212 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	46	0	Above Sleep Dist
549 PANMURE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	45	-1	Above Sleep Dist
549 PANMURE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	45	-1	Above Sleep Dist
					NaN	
2/216 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	44	-2	Above Sleep Dist
182 OLIVE ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	46	0	Above Sleep Dist
2/215 KIEWA ST, SOUTH ALBURY NSW 2640	RES	NCA01	46	45	-1	Above Sleep Dist

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