INLAND RAIL

ALBURY YARD AND RIVERINA HIGHWAY – CONSTRUCTION NOISE AND VIBRATION IMPACT STATEMENT ADDENDUM 2

A2I I Albury to Illabo

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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
Albury Yard	Albury Yard clearances enhancement site
Albury Yard & Riverina HWY CNVIS	Albury Yard and Riverina Highway Construction Noise and Vibration Impact Statement (Doc No. 6-0052-210-EEC-B0-AS-0001)
CA	Consistency Assessment
CNVIS	Construction Noise and Vibration Impact Statement
CNVIS Addendum	This document
Endorsed CNVIS	Albury Yard and Riverina Highway Construction Noise and Vibration Impact Statement (Doc No. 6-0052-210-EEC-B0-AS-0001)
EWP	Elevated work platform
km	Kilometres
m	Metres
NML	Noise Management Level
OOH	Out-of-hours
Project	Albury to Illabo project approved under section 5.19 of the EP&A Act on 8 October 2024, as modified on 13 August 2025
RBL	Rating Background Level
Riverina HWY	Riverina Highway enhancement site
SLR Predict	A2I noise and vibration management tool
T	Tonnes
W.012A	Work Scenario 12A – CSR activities

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 scenario required to support and enable the wider scope of activities associated with the Riverina Highway enhancement site (Riverina Highway), as shown in Figure 1.

This Addendum will form part of the endorsed Construction Noise and Vibration Impact Statement (CNVIS) (Doc No: 6-0052-210-EEC-B0-AS-0001) for Albury Yard and Riverina HWY (endorsed CNVIS). This Addendum should be reviewed in conjunction with the endorsed CNVIS, 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: WORK AREA FOR W.012A (CNVIS ADDENDUM)

2 NOISE ASSESSMENT

The potential construction noise levels from the proposed work scenario has 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.012A	CSR activities	▪ CSR installation works	113

2.1 CSR activities (W.012A)

2.1.1 Scope

The additional work scenario has been identified in the Riverina Highway Consistency Assessment (Doc No: 6-0052-210-EAP-B4-AS-0001), with this area required to enable the CSR works associated at Riverina Highway.

This CNVIS addendum has assessed the work area required for W.012A, using SLR Predict, with the following noted:

Plant and equipment

- Hand tools (electric)
- Light vehicles
- Excavator (10T)
- Tipper truck (5T)
- Plate compactor
- Piling rig – bored
- Vacuum truck (NDD)

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.

2.1.2 Assessment

As noted above, the work area has been assessed utilising SLR Predict. The plant and equipment list as noted above, has been considered at the same utilisation rate as per the endorsed CNVIS, within a 15-minute assessment period.

2.1.3 Results

The SLR Predict results are presented in Appendix B, for day-time OOH, as the most affected period.

Table 3 provides a summary of the exceedances identified through SLR Predict, with the following noted:

- W.012 exceedances identified in the endorsed CNVIS
- W.012A exceedances identified in the SLR Predict results

TABLE 3: EXCEEDANCE COMPARISONS FOR W.012A

ASSESSMENT RESULTS	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.012	SLR Predict – W.012A
Total Lw (dBA)	113	113
Noticeable (1-5 dB)	19	2

ASSESSMENT RESULTS	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS – W.012	SLR Predict – W.012A
Clearly Audible (6-15 dB)	12	0
Moderately Intrusive (16-25 dB)	0	0
Highly Intrusive (>25 dB)	0	0

Table 3 shows an overall decrease in the intensity of impacts compared to W.012 in the endorsed CNVIS. There is the potential for 2 residential receivers to experience noticeable (1-5 dB) impacts. These receivers has been identified in the endorsed CNVIS.

3 VIBRATION ASSESSMENT

3.1 CSR activities (W.012A)

A piling rig – bored will be utilised for W.012A; the vibration assessment undertaken through SR Predict noted 0 receivers affected. The SLR Predict results are presented under Appendix B.

4 CONCLUSION

4.1 Mitigation and management measures

As this is an addendum to the endorsed CNVIS for Albury Yard and Riverina HWY, the same mitigation and management measures apply as noted in Section 8 of the CNVIS.

4.2 Additional mitigation measures

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

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 2: 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 3: ADDITIONAL MITIGATION MEASURES MATRIX – NOISE & VIBRATION

APPENDICES

APPENDIX A

SLR Predict W.012A - 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.

Assessment Details

Author Name	
Author Email	noiseassessments@martinus.com.au
Author Organisation	Martinus Rail
Project Name	A2I - Albury to Illabo
Assessment Name	Albury Yard & Riverina HWY Addendum2 (W.012A)
Stage	A2I Construction
Permit Number	N/A
Start Date	2026-01-26
End Date	2026-01-30
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: 113		
Light Vehicle (accelerating) 25% operation	95	10	No
Excavator - Tracked (10T) 50% operation	100	1	No
Truck - tipper small (5T) 100% operation	97	1	No
Truck - vacuum (NDD or non-destructive digger) 100% operation	109	1	No
Compactor (plate) 100% operation	104	1	No
Piling Rig - Bored 30% operation	112	1	No
Hand tools (electric) 75% operation	102	2	No

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

Assessment Results

	Residential	Non-Residential
Highly Intrusive	0 property	0 property
Moderately Intrusive	0 property	3 properties
Clearly Audible	0 property	1 property
Noticeable	4 properties	2 properties

Legend

Project Boundary
Work Areas
Barriers

Results by Receiver

Address	Land Use	Noise Catchment Area	Construction Noise Management Level, dBA	Predicted Noise Level, dBA	Predicted Noise Level Above Noise Management Level, dB	Noise Category
The Scots School Albury	OED	NCA02	55	78	23	Moderately Intrusive
The Scots School Albury	OED	NCA02	55	77	22	Moderately Intrusive
The Scots School Albury	OED	NCA02	55	72	17	Moderately Intrusive
The Scots School Albury	OED	NCA02	55	69	14	Clearly Audible
The Scots School Albury	OED	NCA02	55	59	4	Noticeable
SCOTS SCHOOL 393 PERRY ST, ALBURY NSW 2640	RES	NCA02	50	54	4	Noticeable
The Scots School Albury	OED	NCA02	55	58	3	Noticeable
SCOTS SCHOOL 393 PERRY ST, ALBURY NSW 2640	RES	NCA02	50	53	3	Noticeable
650 SHORT ST, EAST ALBURY NSW 2640	RES	NCA02	50	52	2	Noticeable
652 SHORT ST, EAST ALBURY NSW 2640	RES	NCA02	50	52	2	Noticeable

Recommended Mitigation Measures

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

Airborne Noise - Additional Mitigation Measures Matrix				
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Vibration - Additional Mitigation Measures Matrix			
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OOP	Other Outdoor Passive Recreation	OPW	Other Place of Worship
OCC	Other Child Care	OPB	Other Public Building

APPENDIX B

SLR Predict W.012A - Vibration

Construction Noise and Vibration Impact Statement (CNVIS)

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Stage	A2I Construction
Permit Number	N/A
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End Date	2026-01-30
Assessment Period	Vibration

Equipment Details

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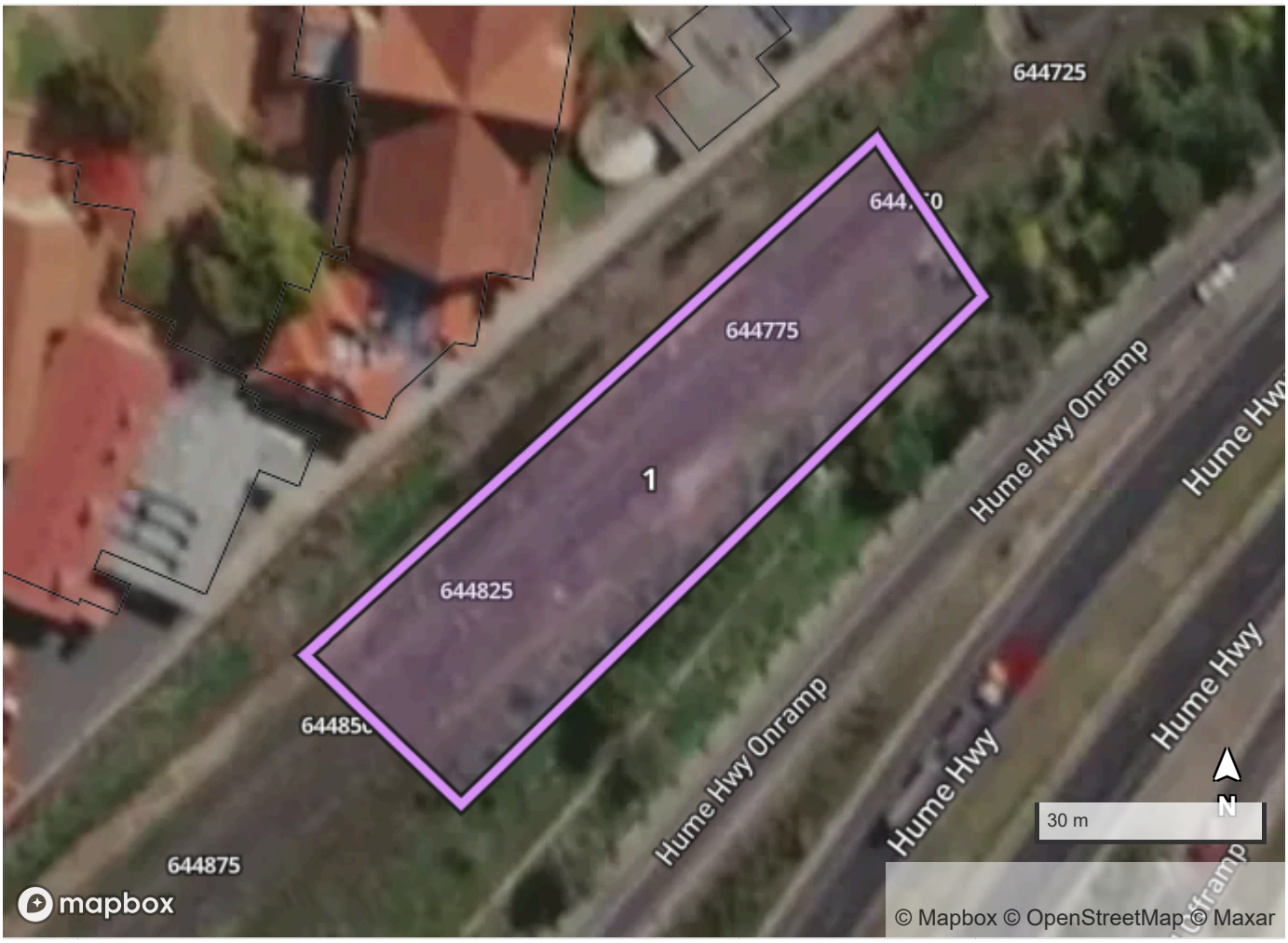
Assessment Results



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

Legend

Project Boundary
Work Areas
Barriers

Results by Receiver

Address	Land Use	Vibration Category
No results		

Recommended Mitigation Measures

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