MARTINUS RAIL

INLAND

WAGGA WAGGA UTILITY WORK – CONSTRUCTION NOISE AND VIBRATION IMPACT STATEMENT ADDENDUM 2

A2I I Albury to Illabo

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0	30/01/2026	Issued for Information	30/01/2026

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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
Edmondson Street	Edmondson Street bridge enhancement site
hp	Horsepower
HNA	Highly noise affected. Based on ICNG definition (i.e. predicted LAeq(15minute), noise at the given residential receiver is greater than 75 dBA.
km	Kilometres
m	Metres
mm/s	Millimetres per second
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.003	Endorsed CNVIS Work Scenario 3 – Vegetation clearing (as per the endorsed Wagga Utility CNVIS)
W.003B	Work Scenario 3B – Vegetation clearing (considered by this CNVIS Addendum)
Wagga Utility CNVIS / endorsed CNVIS	Wagga Utility Construction Noise and Vibration Impact Statement (Doc No. 6-0052-210-EEC-W0-AS-0001_4)

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 scenario required to support and enable works associated with the Edmondson Street bridge enhancement site (Edmondson Street). This CNVIS Addendum will form part of the endorsed Construction Noise and Vibration Impact Statement (CNVIS) for Wagga Wagga Utility Work (part of the wider scope associated with the Edmondson Street Consistency Assessment) (Doc No: 6-0052-210-EEC-W0-AS-0001).

This CNVIS Addendum should be reviewed in conjunction with the Wagga Utility CNVIS (Doc No: 6-0052-210-EEC-W0-AS-0001_4) (the Endorsed CNVIS) including adopted rating background levels (RBL), noise management levels (NMLs) and assessment criteria in accordance with the Infrastructure Approval (SSI-10055).

Figure 1 identifies the work scenario assessed in this CNVIS Addendum, W.003B, to assess minor vegetation clearing within the additional area assessed under the Edmondson Street Consistency Assessment (CA).

FIGURE 1: ADDITIONAL WORK AREA FOR W.003B (SLR PREDICT)

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 scenario identified in Table 2.

TABLE 2: WORK SCENARIO DESCRIPTION

ID	Scenario	Description	Total Lw
W.003	Vegetation clearing	▪ Tree clearing and trimming for works	116

2.1 Vegetation Clearing (W.003B)

2.1.1 Scope

The additional work area required for W.003, forms part of the wider scope associated at Edmondson Street. This CNVIS addendum has assessed the revised work area, which consists of an additional work area identified in the Edmondson Street Consistency Assessment CA (Doc No: 6-0052-210-EAP-W0-AS-0001_0) to the work area identified in the endorsed CNVIS. The revised work area will be assessed using SLR Predict, with the following noted:

Plant and equipment

- 2 x Chainsaw
- 2 x Elevated Work Platform
- 1 x Truck – Medium Rigid (20T)
- 1 x Tub Grinder/Mulcher (40-50hp)

Construction hours

- Standard approved Hours:
  - 7am to 6pm Monday to Friday, inclusive
  - 7am to 6pm Saturday

2.1.2 Assessment

As noted above, the new work scenario (W.003B) was assessed utilising SLR Predict. The plant and equipment list (as per Section 2.1.1) has been considered as a worst-case scenario within a 15-minute assessment period. The operating time (utilisation %) of each plant and equipment has remained the same as per the endorsed CNVIS.

The SLR Predict tool was used to determine the expected exceedances from W.003 during the day-time period. The plant and equipment list and work locations were modelled concurrently as per the endorsed CNVIS.

2.1.3 Results

The SLR Predict results are presented in Appendix A (W.003 daytime hours), with Table 3 providing a summary of the exceedances identified through the assessments. It compares the following:

- W.003 exceedances identified in the endorsed CNVIS
- W.003B exceedances identified in the SLR Predict results during daytime hours with the plant and equipment list and additional work area.

TABLE 3: RESIDENTIAL EXCEEDANCE COMPARISONS FOR W.003B (DAYTIME)

ASSESSMENT RESULTS	NUMBER OF RESIDENTIAL RECEIVERS WITH NML EXCEEDANCE	
	CNVIS - W.003 (DAYTIME)	SLR PREDICT - W.003B (DAYTIME) ADDITIONAL WORK AREA
Total Lw (dBA)	116	116
Clearly Audible (1-10 dB)	55	19
Moderately Intrusive (11-20 dB)	6	4
Highly Intrusive (>20 dB)	5	0

Table 3 presents a comparison of exceedances between W.003 (endorsed CNVIS) and W.003B (SLR Predict). Table 3 demonstrates that the total sound power level remains the same for both W.003 (endorsed CNVIS) and W.003B (SLR Predict). A review of the noise impact map provided for the W.003 scenario during Approved Daytime Hours provided at Appendix C-6 of the endorsed CNVIS indicates that no new receivers would be impacted by the work area for scenario W.003B.

Of the four receivers that may be subject to a moderately intrusive noise impact, one is already mapped as such for the W.003 scenario in the endorsed CNVIS and three are mapped as being subject to clearly audible noise impact.

The SLR Predict results indicate that one receiver would be subject to the highly noise affected (HNA) (above 75dBA at the receiver) criteria for scenario W.003B during the day-time.

This level of impact is negligible when compared with noise impacts assessed in the endorsed CNVIS for other scenarios such as W.007 (refer to Appendix C-13 of the endorsed CNVIS), under which these receivers would be subject to moderately intrusive noise impact during the day-time. Therefore there is a negligible overall impact resulting from the scenario W.003B.

3 VIBRATION ASSESSMENT

3.1 Vegetation clearing (W.003B)

There are no vibration intensive plant and/or equipment proposed as part of W.003B; 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 Wagga Waga Utility Work, the same mitigation and management measures apply as noted in Section 8 of the endorsed CNVIS.

4.2 Additional mitigation measures

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

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

FIGURE 2: ADDITIONAL MITIGATION MEASURES MATRIX – NOISE

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.003) - Daytime hours

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	W5 W.003 Tree clearing Wagga Utilities CNVIS ADD
Assessment Number	370
Stage	A2I Construction
Permit Number	
Start Date	
End Date	
Assessment Period	Day - standard

Equipment Details

Plant/Equipment	**Equipment Sound Power Level (Unadjusted), dBA**	**Number of Units**	**Temporary Noise Barrier**
1: W.003 Vegetation Clearing - Edmondson St piling (Height: Ground)	Total: 116		
Chainsaw 50% operation	105	2	No
Elevated Work Platform 25% operation	97	2	No
Truck - medium rigid (20T) 25% operation	103	1	No
Tub Grinder/Mulcher (40-50hp) 100% operation	116	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	4 properties	0 property
Clearly Audible	19 properties	7 properties
Above HNA	1 property	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
7 ERIN ST, TURVEY PARK NSW 2650	RES	NCA11	58	76	18	Moderately Intrusive Above HNA
9 ERIN ST, TURVEY PARK NSW 2650	RES	NCA11	58	75	17	Moderately Intrusive
11 ERIN ST, TURVEY PARK NSW 2650	RES	NCA11	58	75	17	Moderately Intrusive
5 ERIN ST, TURVEY PARK NSW 2650	RES	NCA11	58	71	13	Moderately Intrusive
ERIN EARTH 1 KILDARE ST, TURVEY PARK NSW 2650	OED	NCA11	55	65	10	Clearly Audible
1 KILDARE ST, TURVEY PARK NSW 2650	RES	NCA11	58	67	9	Clearly Audible
140 EDWARD ST, WAGGA WAGGA NSW 2650	OED	NCA11	55	63	8	Clearly Audible
1 KILDARE ST, TURVEY PARK NSW 2650	RES	NCA11	58	65	7	Clearly Audible
1 KILDARE ST, TURVEY PARK NSW 2650	RES	NCA11	58	65	7	Clearly Audible
96 RAILWAY ST, TURVEY PARK NSW 2650	RES	NCA11	58	65	7	Clearly Audible
6 STATION PL, WAGGA WAGGA NSW 2650	OCC	NCA11	45	51	6	Clearly Audible
6-10 STATION PL, WAGGA WAGGA NSW 2650	OCC	NCA11	45	51	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
94 RAILWAY ST, TURVEY PARK NSW 2650	RES	NCA11	58	63	5	Clearly Audible
1 ERIN ST, TURVEY PARK NSW 2650	RES	NCA11	58	63	5	Clearly Audible
90 RAILWAY ST, TURVEY PARK NSW 2650	RES	NCA11	58	62	4	Clearly Audible
92 RAILWAY ST, TURVEY PARK NSW 2650	RES	NCA11	58	62	4	Clearly Audible
3 ERIN ST, TURVEY PARK NSW 2650	RES	NCA11	58	62	4	Clearly Audible
2-4 STATION PL, WAGGA WAGGA NSW 2650	OCC	NCA11	45	49	4	Clearly Audible
140 EDWARD ST, WAGGA WAGGA NSW 2650	OED	NCA11	55	59	4	Clearly Audible
88 RAILWAY ST, TURVEY PARK NSW 2650	RES	NCA11	58	61	3	Clearly Audible
4 LITTLE BEST ST, WAGGA WAGGA NSW 2650	RES	NCA11	58	61	3	Clearly Audible
82 RAILWAY ST, TURVEY PARK NSW 2650	RES	NCA11	58	60	2	Clearly Audible
84 RAILWAY ST, TURVEY PARK NSW 2650	RES	NCA11	58	60	2	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
86 RAILWAY ST, TURVEY PARK NSW 2650	RES	NCA11	58	60	2	Clearly Audible
14 STATION PL, WAGGA WAGGA NSW 2650	RES	NCA11	58	60	2	Clearly Audible
6 STATION PL, WAGGA WAGGA NSW 2650	OCC	NCA11	45	47	2	Clearly Audible
2 DONNELLY AV, WAGGA WAGGA NSW 2650	RES	NCA11	58	60	2	Clearly Audible
8 LITTLE BEST ST, WAGGA WAGGA NSW 2650	RES	NCA11	58	60	2	Clearly Audible
2 LITTLE BEST ST, WAGGA WAGGA NSW 2650	RES	NCA11	58	59	1	Clearly Audible
156 EDWARD ST, WAGGA WAGGA NSW 2650	RES	NCA11	58	59	1	Clearly Audible

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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