

**MONTHLY NOISE AND VIBRATION REPORT
INLAND RAIL A2I - ACOUSTICS ADVISOR**

Project:	Albury to Illabo (A2I) SSI-10055		
For period:	March 2025	Authorisation:	
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Introduction

EMM Consulting Pty Limited (EMM) presents the March 2025 AA Noise and Vibration Report for the Inland Rail A2I project as required by SSI 10055 Condition of Approval (CoA) A27 (h) iv. This represents the third Monthly Report for A2I with works commencing on 6 January 2025.

A reference table for the acronyms used in this report is provided on the last page.

Activities completed - March 2025

Activities that have occurred to date in March 2025 are as follows:

- Low impact works including site establishment works and deliveries at J2I
- Possession works at J2I – 22-24 March 2025 - J2I track re-surfacing, lateral formation widening and ballast retaining headwall extensions to culverts
- Stockpile management and underbore preparation works were completed ahead of the underbore
- Surveys, investigations and inspections were also undertaken

Activities planned - April 2025

Works planned for April 2025 are:

- Continuation of investigations and utility works at Edmondson
- Surveys, investigations and inspections
- May 2025 possession preparation activities at J2I including minor enabling works

Out of Hours (OOH) activities planned April 2025

No current proposed OOH for April 2025

Acoustics Advisor Activity

- Review and/or endorsement of:
 - Construction Noise and Vibration Impact Statement – Harefield Yard Clearances v1.0, Rev B (6-0052-210-EEC-J1-AS-00001_B) 27 February 2025 review and endorsement
 - Construction Noise and Vibration Impact Statement – Henty Yard Clearances v1.0 Rev B and v1.1 Rev C (6-0052-210-EEC-G2-AS-0001_B and 6-0052-210-EEC-G2-AS-0001_C) 27 February 2025 and 20 March 2025 – review only
 - Minor Ancillary Facility – Junee to Illabo Clearances Rev C (6-0052-210-EEC-J7-AS-001_C) 3 March 2025 – review only

- Low Impact Works – Junee to Illabo Clearances (6-0052-210-EEC-J7-AP-0001_E) 4 March 2025 – review only
- Construction Noise and Vibration Management Plan Stage B Rev A (6-0052-210-PMA-00-PL-0013_A) 7 March 2025 – review only
- Construction Cultural Heritage Management Plan Stage B Rev A (6-0052-210-PMA-00-PL-0015_A) 7 March 2025 – review only
- Construction Noise and Vibration Impact Statement – Wagga Wagga Utilities v1.3 (6-0052-210-EEC-G3-AS-0001_0.1) as amended 10 March 2025 – review only
- Consistency Assessment – Cassidy Parade and Pearson Street Utility Adjustments – Rev A (6-0052-210-EEC-00-RP-0004_A) 12 March 2025 review only
- Consistency Assessment – Junee to Ilabo – Construction Boundary Changes – Rev A (6-0052-210-EEC-00-RP-0003_A) 24 February 2025 review only
- Consistency Assessment – Kildare Catholic College – Rev A (6-0052-210-EEC-00-RP-0005_A) 13 March 2025 review only
- EPL – OOH Permit – 18 March 2025 – review and comments only
- Attendance at meetings with Inland Rail and Martinus to facilitate a collaborative approach in the preparation and review of required documentation.
- Fortnightly Environment and Approvals meeting with MR/IR/ER/AA have commenced.
- Regular meetings with the Department, AA and ER have not commenced.

Inspections, audits and site visits

- AA attended 22-24 March 2025 possession of J2I works involving track re-surfacing, lateral formation widening and ballast retaining headwall extensions to culverts, shoulder reconstruction and other works.
- AA was present from 21/3/25 to 24/3/25
- Observations of work activities were conducted during the day and evening/night periods on Saturday 22/3/25 and Sunday 23/3/25.
- A summary report of the site observations will be provided by 14 April 2025
 - inspection and observations confirmed generally good practices across the entire working areas utilised for J2I possession works predominantly from Marinna to Ilabo.
 - Broad band squawker / quacker movement alarms were present on all plant and equipment with the exception of one isolated FEL – this was flagged to Contractor
 - Work practices showed plant shut down when not in use.
 - Typically, there was positive communication using active two-way communication, however there was some observations of horns being used between FEL and on rail ballast tippers and has been identified as an area for improvement.
 - The hybrid generator at Ilabo compound was also identified as a contributor to off-site noise levels during day and night periods at nearby receivers. An action for provision of acoustic mats / blankets affixed to the cyclone fencing of the compound extending for not less than five metres to the north-east and five metres to the south-west to provide acoustic screening to Ilabo township was provided to the Contractor.

Noise and vibration complaints

Nothing to report for noise and vibration.

Initiatives, continual improvement and feedback

AA has provided feedback to Inland Rail and Martinus Rail on consistency across submitted CNVIS's for review and need for any work scenarios (LIW, MAF or construction under CoA) to be captured under a relevant CNVIS for prediction, assessment and application of all feasible and reasonable mitigation. This has been reiterated with submission of Consistency Assessments and the need for a common noise prediction approach within CNVIS, LIW, MAF and CA documentation. AA has encouraged IR and MR to utilise the same methodology for noise predictions within their CNVIS documents for EAD works to demonstrate general consistency in any current or forthcoming CA. The assessment to include receiver counts for both the EAD works and the proposed CA change.

Ongoing guidance has been provided to IR and MR with respect to proposed vibration generating plant (vibratory rollers and excavators with hydraulic hammers) being fit for purpose and design specifications to ensure that all feasible and reasonable measures are considered, the potential for cosmetic damage is managed and human comfort impacts are minimised.

Non-compliances, incidents and events

Nothing to report in relation to noise and vibration.

Opportunities for improvement to be provided in AA Report for March 2025 possession works.

Ongoing and upcoming environmental risks

Upcoming works for May 2025 associated with the OOH possession will be the second OOH works for the Project. AA is keen to assist IR and MR in applying lessons learned from the March 2025 possession in the lead up to the May 2025 possession and works during the possession.

Recommendations (including auditing):

AA informed Inland Rail (IR) and Martinus Rail (MR) that the EAD, including the EIS and Technical Papers for Noise (non-rail), do not adequately assess road traffic noise impacts from traffic diversions, particularly at night.

IR and MR are currently working through supplementing the information in the EAD on this aspect prior to the need for any diversions and night traffic to occur associated with the Project. This additional information remains outstanding.

A workshop is to occur on 8 April 2025 with IR, MR, ER and AA in the first extensive discussion of traffic diversions. The AA fully acknowledges the complexity of the road diversion issue and noise is only a discrete aspect, we will be working through the issues and advise DPHI of progress.

Acronyms

AA	<i>Acoustic Advisor</i>
AMMs	<i>Additional Mitigation Measures</i>
CCHMP	<i>Construction Cultural Heritage Management Plan</i>
CEMP	<i>Construction Environmental Management Plan</i>
CMR	<i>Construction Monitoring Report</i>
CIZ	<i>Construction Impact Zone</i>
CTR	<i>Compliance Tracking Report</i>
CNVIS	<i>Construction Noise and Vibration Impact Statement</i>
CNVMP	<i>Construction Noise and Vibration Management Plan</i>
CoA	<i>Condition of Approval</i>
DPHI	<i>NSW Department of Planning, Housing and Infrastructure</i>
EAD	<i>Environmental Assessment Documentation</i>
EIS	<i>Environmental Impact Statement</i>
ER	<i>Environmental Representative</i>
IR	<i>Inland Rail</i>
LIW	<i>Low Impact Works</i>
MAF	<i>Minor Ancillary Facility</i>
MR	<i>Martinus Rail</i>
NCR	<i>Non-Compliance Report</i>
NML	<i>Noise Management Level</i>
NVA	<i>Noise and Vibration Assessment</i>
NVMP	<i>Noise and Vibration Monitoring Plan</i>
NVMR	<i>Noise and Vibration Monitoring Report</i>
NVAMR	<i>Noise and Vibration Annual Monitoring Report</i>
OOH	<i>Out of hours</i>
OOHW	<i>Out of hours work</i>
OOHWA	<i>Out of Hours Work Application</i>
OOHWP	<i>Out of Hours Work Protocol</i>
OSOM	<i>Over Size, Over Mass</i>
PC	<i>Principal Contractor</i>
ROL	<i>Road Occupancy License</i>