



## MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

<b>Project:</b>	<b>Chatswood to Sydenham SSI-7400</b>		
<b>For period:</b>	<b>July 2024</b>	<b>Authorisation:</b>	
<b>Prepared by:</b>			
<b>Date of issue:</b>	7 August 2024		

### **Introduction**

EMM Consulting Pty Limited (EMM) presents the July 2024 AA Noise and Vibration Report for the Sydney Metro City and Southwest project as required by SSI 15\_7400 A27 (g) vi.

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

### **Acoustics Advisor (AA) Activity**

- Review and/or endorsement of:
  - CNISD CMR October 2023 to March 2024 Rev 2
  - PSISD CMR Q1 and Q2 January to June 2024 Rev 0
  - VCISD July to December 2023 NVMR Rev D
  - Chatswood Remediation – additional monitoring reports.
- Review and/or endorsement of out of hours work applications (OOHWA) and extensions for:
  - Barangaroo OOHWA 33 Road Works Rev 0
  - CNISD OOHWA 49 Finishing Works Rev 3
  - MPISD OOHWA 104 MLC Stairs Rev 3
  - MPISD OOHWA 108 Public Domain Rev 7
  - PSISD OOHWA 62 Footpath and Landscaping (Public Domain) Rev 03
  - PSISD OOHWA 64 Project Works July to October 2024 Rev 01
  - VCISD OOHWA 33 WAD Intersection Works Rev 2
  - VCISD OOHWA 36 Denison St Re-sheeting Rev 1
  - VCISD OOHWA 17 VCS Rev 22
  - VCISD OOHWA 37 Site Hoarding Graphics Rev 0
  - WISD OOHWA 61 Botany Road Reinstatement Rev F
  - WISD OOHWA 65 Raglan and Cope Street Culvert Rev E
  - WISD OOHWA 66 Milling and Resurface Works Rev B .
- Attendance at ongoing meetings with CNISD, VCISD, Barangaroo Station, PSISD, MPISD, and WISD contractors.

### **Inspections, audits and site visits**

The following was completed:

- MPISD OOH inspection 3 July 2024
- CNISD inspection with ER on 4 July 2024

- CNISD observations of OOHWA 49 pram ramp works 10 July 2024
- CNISD observations of OOHWA 49 pram ramp and traffic pole works 15 July 2024
- WISD observations of OOHWA 66 Rev B 24 July 2024.

### ***Monitoring status***

Real-time noise and vibration monitoring (with real-time access) is ongoing at CNISD, VCISD north and south (noise only), Barangaroo and MPISD (vibration only).

Following detailed review, EMM conclude that the RTNM at PSS could be removed given the limited remaining works and therefore benefit that it provides going forward with respect to monitoring performance against conditions of approval. Following removal, there will be no RTNM at PSISD (PSN or PSS).

The WISD contractor is operating real-time noise monitors to assist with site noise management. This is not a requirement of their CNVMP and is optional only. We have access to this data on an as-needs basis only (eg when complaints are received).

### ***Noise and vibration complaints***

Complaints from Chatswood Dive (x1), CNISD (x2), and WISD (x3) were received.

The three complaints at WISD were for OOHW that was not correctly represented or missing in community notifications. All three complaints were classified as avoidable, and the two complaints received on 30 July 2024 resulted in a non-compliance.

The two complaints at CNISD were from two occupants of the same residence. The complaints were in relation to OOHW at the Pacific Highway and Oxley Street intersection which were directly beneath their property. The works were found to be undertaken in accordance with relevant approvals, however as an additional precautionary measure, feedback from this complaint and EMM onsite observations on the same night has resulted in an update of OOHWA 49 to allow for alternative accommodation offers where vacuum trucks operate within 20m of a residential property after 12am.

The complaint at Chatswood Dive regarding operational noise levels has been closed for the time being based on a review of predicted operational noise levels at this property. However, this will be addressed in more detail when the operational noise and vibration monitoring program as required by condition D13 is undertaken.

### ***Initiatives, continual improvement and feedback***

Due to the multiple active OOHWA at CNISD, EMM will be attending site on a regular basis to observe controls and undertake noise measurements to verify against the predictions. The main outcomes from these measurements will be reported back to the PC and Sydney Metro along with opportunities for improvement and lessons learned for future OOHW.

### ***Non-compliances, incidents and events***

No non-compliances related to acoustics.

### ***Ongoing and upcoming environmental risks***

- Overall, the key ongoing risk for the project from an acoustics perspective continues to be OOHW relating to utilities and public domain works.
- At Chatswood Dive, the remediation works continue with the demolition of slabs and then excavation and loadout of contaminated materials principally involving excavators and truck and dogs. All work is proposed during standard construction hours, and anticipated to be complete by end of August 2024.

- At CNISD, the PC has consolidated all active OOHWA into one (OOHWA 49), to assist with streamlining the management of remaining OOHWA. In addition to the current commitments made with respect to noise mitigation and management, this consolidation includes the provision for up to four nights of work a week, with a night of respite after two consecutive nights of work.
- At VCISD, the public domain work at south and north sites will continue into August. The south site works will be four consecutive nights a week. The north site work will be three nights a week with a respite night after the first two consecutive nights given the proximity and higher noise sensitivity of surrounding receivers to these works. Where possible, relatively noisier work will be complete during standard construction hours.
- Public domain works for MPISD are in the final stages. Extensions to OOHWA at MPISD are largely a result of limited works being completed under previous approvals and have been prepared to cover off remaining public domain works which are generally minor. A small scope of works is being conducted OOH for the MLC stairs captured under OOHWA 104 Rev 3 with noise levels predicted to be NML compliant.
- Remaining works for PSN and PSS associated with public domain, include hoarding removal and minor façade works. Any minor building defects have been incorporated into the updated OOHWA for these activities as they require ROL or footpath possession from City of Sydney.
- The majority of works at WISD are complete. Some remaining public domain works will be held off and completed under the OSD phase of the development. Main outstanding works relate to resurfacing of Botany Road.

***Recommendations (incl auditing):***

Nothing to report.

## Acronyms

AA	<i>Acoustics Advisor</i>
AMMs	<i>Additional Mitigation Measures</i>
CMR	<i>Construction Monitoring Report</i>
CSW	<i>City and Southwest</i>
CNISD	<i>Crows Nest Integrated Station Development</i>
CNVIS	<i>Construction Noise and Vibration Impact Statement</i>
CNVMP	<i>Construction Noise and Vibration Management Plan</i>
CNVMPR	<i>Construction Noise and Vibration Management Program Report</i>
CoS	<i>City of Sydney</i>
CSM	<i>Central Station Metro</i>
CTR	<i>Compliance Tracking Report</i>
DPHI	<i>NSW Department of Planning, Housing and Infrastructure</i>
ER	<i>Environmental Representative</i>
ISD	<i>Integrated Station Development</i>
LWW	<i>Line Wide Works</i>
MPISD	<i>Martin Place Integrated Station Development</i>
MTS	<i>Metro Trains Sydney</i>
NCR	<i>Non-Compliance Report</i>
NML	<i>Noise Management Level</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>
ONVMP	<i>Operational Noise and Vibration Management Plan</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>
OSD	<i>Over Station Development</i>
PC	<i>Principal Contractor</i>
PSISD	<i>Gadigal Station (formerly Pitt Street) Integrated Station Development</i>
PSN	<i>Pitt Street North</i>
PSS	<i>Pitt Street South</i>
ROL	<i>Road Occupancy License</i>
RTNM	<i>Real Time Noise Monitor</i>
SYAB	<i>Sydney Yard Access Bridge</i>
SWMC	<i>Southwest Metro Corridor</i>
TSOM	<i>Trains, Systems, Operations and Maintenance</i>
VCISD	<i>Victoria Cross Integrated Station Development</i>
WISD	<i>Waterloo Integrated Station Development</i>