


MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

Project:	Chatswood to Sydenham SSI-7400		
For period:	August 2024	Authorisation:	
Prepared by:	Daniel Weston		
Date of issue:	6 September 2024		

Introduction

EMM Consulting Pty Limited (EMM) presents the August 2024 AA Noise and Vibration Report for the Sydney Metro City and Southwest project as required by SSI 15_7400 A27 (g) vi. This month we saw the first passenger services which is a monumental milestone for the project.

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:
 - PSISD CMR Q1 and Q2 January to June 2024 Rev 0
- Review and/or endorsement of out of hours work applications (OOHWA) and extensions for:
 - Barangaroo OOHWA 33 Road Works Rev 1
 - CNISD OOHWA 49 Finishing Works Rev 4
 - MPISD OOHWA 104 MLC Stairs Rev 3
 - MPISD OOHWA 109 Roadworks Rev 2
 - VCISD OOHWA33 WAD Intersection Works Rev 3
 - WISD OOHWA 54 Civil Main Works Rev 12
 - WISD OOHWA 61 Botany Road Reinstatement Rev F.
- Attendance at ongoing meetings with CNISD, VCISD, Barangaroo Station, PSISD, MPISD, and WISD contractors.

Inspections, audits and site visits

The following was completed:

- CNISD observations of OOHWA 49 road milling works 1 August 2024
- CNISD observations of OOHWA 49 pram ramp works 8 August 2024.

Monitoring status

Real-time noise and vibration monitoring (with real-time access) is ongoing at VCISD south (noise only), Barangaroo and MPISD (vibration only). The monitor at VCISD will remain installed post completion as it's also a requirement for the OSD to have real-time noise monitoring in place.

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).

Following a request by the PC and our subsequent review, we have agreed to the removal of real time noise and vibration monitors from CNISD at end of August 2024 due to the absence of any future planned high-risk works. Attended noise monitoring will be undertaken if required to manage risk in the event unforeseen high-risk work is needed.

Despite the project now being in its operational phase, it is anticipated that PCs would continue to prepare periodic construction monitoring reports in accordance with their CNVMPs where operator attended and/or unattended noise monitoring continues to be a requirement at their respective sites.

Noise and vibration complaints

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

A complaint in relation to potential operational ground-borne noise from Sydney Metro operations was received near the Chatwood Dive site. EMM attended the complainant's property to measure ground-borne noise and vibration levels on Thursday 22 August and a report will follow in the coming weeks.

The complaint at CNISD was from lighting tower noise which was installed for the temporary replacement of street lighting. The tower was subsequently moved further away to provide additional noise attenuation over distance and to also minimise line-of-sight to the resident. This complaint was classified as avoidable.

The two complaints at VCISD were for out of hours works that extended into the night period (after 10pm) without approval which led to a community complaint. These events were classified as avoidable, and a non-compliance was issued by the PC for each instance. The respective works that generated the complaints at the north site are now complete.

The complaint from WISD was in response to OOHW that were covered under an approved OOHWA, however, not for the specified night and location, and accordingly were not appropriately communicated to the community. Work was stopped immediately following the complaint and all further work that week was cancelled with a Stop Work notice issued by the PC to the subcontractor that performed the work. A commercial notice was also issued by the PC to the Subcontractor under a Breach of Contract. An NCR has been generated against E44(f).

The remaining construction related complaints at Chatswood Dive and PSISD have been classified as unavoidable.

Initiatives, continual improvement and feedback

With OOHW now winding up at CNISD, we will likely discontinue the regular site inspections beyond September 2024. This has been a worthwhile initiative which has created a proactive feedback loop between the AA and the PC to facilitate continual improvement for works week to week, which we believe has supported an improved environmental outcome for the project.

Non-compliances, incidents and events

As a result of complaints described above, three non-compliances related to community noise impacts have been raised this month, two at VCISD and one at WISD.

Operational noise and vibration

Preparation of the Operational Noise and Vibration Monitoring Program as required by condition D13 is underway and EMM will be closely involved in the technical peer review process.

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 and is expected to extend into September 2024.

- 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. Currently a phase of backfilling and compaction is also occurring. All work is proposed during standard construction hours.
- At CNISD, public domain and utilities work in accordance with approved OOHWA 49 will continue through September.
- At VCISD, the public domain work at south and north sites will continue into September. 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. An additional scope of works for final roadworks for MPSID are approved under OOHWA 109 Rev 3.
- 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.
- Most 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 and Botany Road west footpath.

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>