

MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

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| Project: | Chatswood to Sydenham SSI-7400 | | |
| For period: | 1 October 2024 to 19 February 2025 | Authorisation: | |
| Prepared by: | | | |
| Date of issue: | 26 February 2025 | | |

Introduction

EMM Consulting Pty Limited (EMM) presents the 1 October 2024 to 19 February 2025 AA Noise and Vibration Report for the Sydney Metro City and Southwest project as required by SSI 15_7400 A27 (g) vi and correspondence from DPHI dated 24 October 2024 regarding project reporting requirements post commencement of operations.

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:
 - Barangaroo NVMR April to October 2024 Rev 2
 - Chatswood Dive Remediation CNVIS version 5
 - Chatswood Dive Remediation Unattended Noise Monitoring Report Rev 1
 - CNISD CMR April to September 2024 Rev 1
 - LWW CMR March to August 2024 Rev 1
 - VCISD CMR January to June 2024 Rev 0
 - VCISD Environmental, Health and Safety Plan Rev 15
 - WISD Oct 2023 to Sept 2024 Annual Noise and Vibration Report Rev B
 - WISD CNVMP Rev 6.
- Review and/or endorsement of out of hours work applications (OOHWA) and extensions for:
 - Barangaroo OOHWA 34 Line marking for Hickson Road Rev 1
 - CNISD OOHWA 49 Precinct Finishing Work Rev 4
 - CNISD OOHWA 52 Cable Pulling Rev 2
 - CNISD OOHWA 53 Bollard Removal and Install Rev 1
 - PSISD OOHWA 64 Project Works December 2024 to March 2025 Rev 4
 - WISD OOHWA 69 Defect Rectification Works Rev E.
- Attendance at meetings with Chatswood Dive Remediation, CNISD, VCISD, PSISD and WISD contractors.

Inspections, audits and site visits

The following was completed:

- Chatswood Dive inspection with ER, DPHI and Sydney Metro on 30 January 2025.

Monitoring status

The real-time noise and vibration monitoring status is as follows:

- Since the last AA monthly report, the real-time noise and vibration monitor at Barangaroo was demobilised at construction completion in October 2024.
- The real-time noise monitor at VCISD South remains installed to satisfy OSD approval requirements only and there is no requirement to report results under SSI 15_7400.
- The WISD contractor is operating real-time noise monitors to assist with OSD site noise management and there is no requirement to report results under SSI 15_7400.
- There are no real-time noise and vibration monitors installed elsewhere on the project.

We have been working with Sydney Metro and PCs to close out the requirement to prepare periodic construction monitoring reports as per the provision in DPHI's correspondence dated 24 October 2024 via a CEMP/CNVMP minor amendment.

Noise and vibration complaints

Complaints from CNISD (x1), PSISD (x8) and WISD (x1) were received.

The complaints at PSISD and WISD were for approved OOHWA activities and have been classed as unavoidable. The majority of the PSISD complaints were from Kimpton Margot Hotel.

The complaint at CNISD was related to noise from bollard defect rectification works. The PC used a street sweeper at approximately 2am which was not an approved OOHWA activity which led to a noise complaint. A non-compliance will be raised by the PC for this event.

Initiatives, continual improvement and feedback

PSISD has been in discussions with Kimpton Margot Hotel and have agreed to reduce the amount of work in the week leading up to and during the Mardi Gras parade on Saturday 1 March 2025 to minimise impacts on hotel patrons during this time.

Non-compliances, incidents and events

As described above, the CNISD PC will be raising a non-compliance against SSI 15_7400 Condition E44 (f) for using a streetsweeper without OOHWA approval.

A non-compliance against SSI 15_7400 Condition C8 will be issued by Systems Connect for noise monitoring equipment used during a CMR period which was outside of its recommended calibration interval.

Operational noise and vibration

Further to ground-borne noise (GBN) and vibration measurements in August 2024, EMM attended 344 Mowbray Road in October 2024 to measure within a second apartment. Measurement results indicate that GBN and vibration levels satisfy the commitments made in the Track Attenuation and Operational Ground-borne Noise Review that was prepared to address Condition D9 which is consistent with August 2024 findings.

In addition, EMM measured operational GBN and vibration at 342 Mowbray Road in October 2024. The measurements were a repeat of baseline GBN and vibration measurements conducted for the project in 2019. The location and method for each measurement event were like-for-like to allow a direct comparison between 'build' and 'no-build' GBN and vibration levels. The measurement, analysis and assessment found that the project satisfies SSI 15_7400 operational GBN and vibration requirements. The noise and vibration measurements along the full project alignment as required by the Operational Noise and Vibration Monitoring Program (Condition D13) are currently in progress.

Ongoing and upcoming environmental risks

The following has been identified:

- Works will re-commence in late Q1 or early Q2 2025 at the Chatswood Dive remediation site. Works will include demolition and remediation of small land portions at and near the Mowbray Road entry driveway and may involve high noise construction activities such as sheet piling and hydraulic hammering during standard construction hours.
- Work is complete at most stations and ISDs, with only minor rectification and defect work to complete during standard construction hours. Only PSISD and WISD have active OOHWA at the time of reporting.
- Most of the OOH work that has and will continue to occur at PSISD relates to pavement works at north and south sites. This work is undertaken during standard construction hours as far as practicable with only locations that require pathway closures or ROL undertaken during OOH periods. There will be up to two weeks of road restoration works in March 2025 involving asphalt milling and re-sheeting.
- In addition to minor rectification and defect work, WISD has deferred scope of works to occur March to December 2025 due to the interface with the station construction contractor and the access and coordination issues that this creates. The deferred scope will include final station façade, Wellington Street civil and Botany Road light pole installation works.
- A complaint from a nearby resident has been received regarding operational noise emitting from air conditioning and ventilation plant at VCISD South. The PC is currently investigating this issue. Temporary localised noise controls have been put in place whilst the matter is being investigated. We will continue to monitor this matter until it is resolved.

Recommendations (incl auditing):

Nothing to report.

Acronyms

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| 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> |
| GBN | <i>Ground-borne noise</i> |
| ISD | <i>Integrated Station Development</i> |
| LWW | <i>Line Wide Works</i> |
| MPISD | <i>Martin Place Integrated Station Development</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> |