


MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

Project:	Chatswood to Sydenham SSI-7400		
For period:	March 2024	Authorisation:	
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Introduction

EMM Consulting Pty Limited (EMM) presents the March 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 Activity

- Review and/or endorsement of:
 - Barangaroo NVMR April 2023 to September 2023
 - CNISD April 2023 to September 2023
 - LWW Chatswood Remediation CNVIS Rev 1
 - SSJ CMR 10 March 2023 to February 2024
 - VCISD CMR July to December 2023
 - WISD CA Cope St Closure Extension Rev 5.
- Review and/or endorsement of out of hours work applications (OOHWA) and extensions for:
 - Barangaroo OOHWA 001 Out of Hours Deliveries Rev 7
 - CNISD OOHWA 33 Pacific Highway Intersection Upgrade Rev 5
 - CNISD OOHWA 34.3 24-hour Construction April 2024
 - CNISD OOHWA 42 Sydney Water Encasing review Rev 2
 - CSMW OOHWA Possessions and Bike Lane WE 44, 45, 46, 48, 50
 - MPISD OOHWA 108 Public Domain Works Rev 3
 - PSISD OOHWA 59 Multiple Utilities (PSS) Rev 6
 - VCISD OOHWA 17 South Site OOH Rev 20
 - VCISD OOHWA 30 South Site Precast Install Rev 1
 - VCISD OOHWA 32 South Site Crane Removal Rev 1
 - WISD OOHWA 47 Lighting Install Rev 9
 - WISD OOHWA 54 Civil Works Rev 6
 - WISD OOHWA 63 Oversize Shed Removal Rev B
 - WISD OOHWA 64 Ausgrid Outage 7 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:

- WISD inspection with ER on 15 March 2024
- CNISD OOH observations and measurements on 19 March 2024
- MPISD inspection with ER on 21 March 2024
- CNISD OOH observations and measurements on 24 March 2024.

Monitoring status

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

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).

After review by EMM, the real-time noise monitoring at the VCISD north site will be discontinued due to the most recent CMR proving compliance with E38 and the potential for future construction noise impact being low.

Noise and vibration complaints

Complaints from Barangaroo (x1), CNISD (x1), Martin Place (x1), PSISD (x1), VCISD (x1) and Waterloo (x1) were received.

The complaints at Barangaroo and Martin Place were classed by the respective PCs as avoidable.

The avoidable classification at Barangaroo was due to crane pad demolition works during standard construction hours that was not mentioned in the weekly community update. Upon review of the RTNM, it was evident that the noise levels on the day of the complaint were relatively elevated compared to days pre and post the complaint.

A review of works for Martin Place confirmed that a concrete saw was briefly used for some hoarding works OOH but was not included in the OOHWA, accordingly the PC raised an NCR.

The complaint at Waterloo was under investigation by the PC and was confirmed on 25 March 2024 that the subject works were unrelated to the Sydney Metro project.

The remaining complaints at CNISD and PSISD were classed as unavoidable by the respective PCs.

Initiatives, continual improvement and feedback

With CNISD OOH utility works now happening on a regular basis, EMM will be attending site on a weekly basis (subject to the proposed activities being 'noisy') to observe noise controls and undertake noise measurements to verify against the predictions.

Monthly attended noise monitoring continues at CNISD which has been conditioned by the AA and ER as part of the 24-hour fit-out and delivery OOHWA approval. The monitoring is undertaken by the PCs acoustic consultant. This has been a useful means of monitoring performance and identifying opportunities for continual improvement. This monitoring will continue until otherwise agreed between EMM and the PC.

At PSISD, earlier ROLs have been secured for Pitt Street to assist in commencing works earlier (one lane from 6.00pm and two lanes from 8.00pm) and either stopping works earlier in the night, or providing a few extra hours of productivity. The use of this time was being negotiated between the PC and Kimpton Margot Hotel (KMH), however current status is that KMH has ceased fortnightly meetings with the PC. There has been an extended period of no complaints from KMH despite works continuing which is encouraging and possibly due to a downturn in occupancy and better room management from KMH.

Non-compliances, incidents and events

As mentioned above, the MPISD PC has raised an NCR for a concrete saw that was used OOH without an approval.

Ongoing and upcoming environmental risks

- The Pacific Highway works at Oxley and Hume Streets intersections will continue at CNISD. These works are currently scheduled weekly across Sunday, Monday and Wednesday nights, with expected completion in April/May 2024. Hammering and sawing activities occur prior to midnight only. Earlier ROLs have been secured from Transport for NSW which have reduced the overall shifts required. Most of the higher noise activity work is complete at the Oxley Street intersection. There are several previously approved shifts of higher noise activity work at the Hume Street intersection that have been partly delayed due to access restrictions at the new Hume Street bridge. Some of the Hume Street intersection work has been able to happen during standard construction hours.
- Approximately four weeks of road milling and re-asphalting is scheduled at CNISD from mid-April 2024. Some of this work will be required OOH.
- At CNISD, small sections of capping beam positioned centrally within the site will be removed progressively when access can be established using hydraulic hammers mounted to excavators during standard construction hours.
- Public domain works for MPISD are almost complete.
- Utility works continue at PSISD and WISD. The majority of WISD works are complete. Whilst an additional phase of public domain works is anticipated for April through to June. OOHW is required due to ROL requirements and footpath permits from Council.
- Extensions to OOHWA at WISD are largely a result of limited works being completed under previous approvals following design issues, contractor availability and liaison with utility service providers.
- At WISD the design requirements for stormwater and asset protection have changed and enabled the OOH components to be significantly scaled down. It is currently anticipated that Wellington Street works will be completed during daytime hours. Half road closures are commenced on Raglan and Wellington Streets to alleviate worker safety concerns and to complete majority of works in standard hours. A phase of works for road milling and resurfacing on Wellington Street is still under review and assessment following feedback from the ER and AA.
- An OOHWA for two crews on Pitt Street at PSN for up to five continuous nights has been reviewed and approved by AA and ER. This is based on the proposed activities as presented by the PC being relatively low risk and a community response confirming the preference for completion of works as soon as practical.

Recommendations (incl auditing):

Nothing to report.

Acronyms

AMMs	<i>Additional Mitigation Measures</i>
CMR	<i>Construction Monitoring Report</i>
CTR	<i>Compliance Tracking Report</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>
CSM	<i>Central Station Metro</i>
DPE	<i>NSW Department of Planning and Environment</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>
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>
OSD	<i>Over Station Development</i>
OSOM	<i>Over Size, Over Mass</i>
PCB	<i>Precast Beams</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>
SSJ	<i>Sydenham Station Junction</i>
SWMC	<i>Southwest Metro Corridor</i>
TSOM	<i>Trains, Systems, Operations and Maintenance</i>
TSS	<i>Traction Substation</i>
VCISD	<i>Victoria Cross Integrated Station Development</i>
WISD	<i>Waterloo Integrated Station Development</i>