


MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

Project:	Chatswood to Sydenham SSI-7400		
For period:	November 2023	Authorisation:	
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Introduction

EMM Consulting Pty Limited (EMM) presents the November 2023 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 to September 2022 Rev 2
 - CNISD October Noise Monitoring Report
 - SSJ SWMC CMR 005 March to August 2023 Rev B
 - WISD NVAMR Oct 2022 to Sept 2023 Rev 0.
- Review and/or endorsement of out of hours work applications (OOHWA) and extensions for:
 - Barangaroo OOHWA 26 Weekend Road Closure Rev 0 and Rev 1
 - Barangaroo OOHWA 27 Two Lane Opening Rev 0
 - CNISD OOHWA 36 Pacific Highway Services Rev 1
 - CNISD OOHWA 37 Paving 20 Clarke St Driveway Rev 0
 - CSM OOHWA November 2023
 - MPISD OOHWA 103 Stormwater Works Rev 2
 - MPISD OOHWA 105 Median Removal Rev 0
 - MPISD OOHWA 106 Comms Adjustment Castlereagh Street Rev 0, Rev 1 and Rev 2
 - MPISD OOHWA 52 Extended Working Hours Rev 6
 - PSISD OOHWA 58 Project Works Rev 2
 - PSISD OOHWA 59 Multiple Utilities Installation Rev 04
 - PSISD OOHWA 60 Tree Removal T15 Rev 2
 - PSISD OOHWA 61 Project Works Jan-March 2024 Rev 01
 - VCISD OOHWA 29 South site high voltage works Rev 0
 - WISD OOHWA 52 Civil Works (Dec 23, Jan and Feb 24) Rev 05
 - WISD OOHWA 54 Civil Works Rev 03
 - WISD OOHWA 60 Ausgrid Outage 6 Rev B
 - WISD OOHWA 61 Botany Road Reinstatement Rev A.
- Attendance at ongoing meetings with CNISD, VCISD, Barangaroo Station, LWW, PSISD, MPISD, CSM and WISD contractors.

Inspections, audits and site visits

The following was completed:

- CNISD inspection with ER on 1 November 2023
- PSISD inspection with ER on 7 November 2023
- CNISD inspection with DPE and ER on 21 November 2023
- MPISD inspection with ER on 24 November 2023.

Monitoring status

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

The PSISD contractor has made a request to AA for discontinuation of real-time noise monitoring at PSN and PSS on the basis of main noisy activities being completed and E38 not really a factor anymore. AA has responded with a number of questions for clarification and outlined the utilities work still to occur OOH and value of attended monitoring results with correlation to RTM for evaluating noise complaints if they occur. Discussions are ongoing.

Noise and vibration complaints

Complaints from CNISD (x2), MPISD (x1), PSISD (x4), VCISD (x1) and WISD (x4) were received. One of these complaints was regarding general environmental management at CNISD (including noise) and remains open and under investigation by the PC. The remaining have been closed and classed as unavoidable.

Initiatives, continual improvement and feedback

The Hickson Road realignment traffic switch works at Barangaroo are complete. This work was completed successfully with no complaints received across the three separate work packages, one of which included a continuous 58 hour 'megashift'.

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 occurring for several months and has been useful for monitoring performance and identifying opportunities for continual improvement.

We are looking to prepare a summary of noise measurements of the acoustic tent performance and other site observations for PSISD night and day inspections. The purpose is to provide a lessons learned and options for further improvement. Sydney Metro and Contractors have shown interest in this summary and are looking to potentially include any recommendations in further contractual relationships to model best practice.

Non-compliances, incidents and events

Nothing to report.

Ongoing and upcoming environmental risks

- At CNISD, the Pacific Highway intersection works at Oxley and Hume Streets have been delayed whilst some design coordination issues are resolved. At this stage it is likely that these works will recommence January 2024.

- There is an additional package of OOH utilities work at CNISD occurring through December 2023 on the Pacific Highway. This will involve up to 10 nights of work. Works will be done on up to three days a week, for a maximum of two consecutive nights in a week. This schedule has been established to assist with the coordination of work across two work fronts undertaken by two different sub-contractors.
- Public domain works at CNISD are progressing and will continue sporadically for the coming months during standard construction hours. Most of these works through December 2023 will be on Clarke Street, Crows Nest.
- Last month it was reported that capping beam removal at CNISD was complete. This was the capping beam section at the south site boundary of Site B adjacent to 473 Pacific Highway, Crows Nest. Small sections of capping beam remain on the north boundary of Site A and a small section on Pacific Highway near Hume Street. These will be removed using hydraulic hammers mounted to excavators over the coming months during standard construction hours.
- Utility works continue at PSISD and WISD. OOH is required due to ROL requirements and footpath permits from Council.
- PSISD has implemented multiple utilities work crews (three) at PSS working typically on Bathurst Street (one crew) and Pitt Street (two crews). To date the only complaints from the works have been generated from Kimpton Margot Hotel and reported by the doorman with video evidence – a review of the complaints has shown activities are consistent with approvals and review of RTM indicated levels lower than predictions. Considering the extensive work being conducted, the number of complaints would be considered low. We understand that the Kimpton Margot Hotel owners are compensated for a percentage of their rooms as an offset for noise impacts.
- 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.
- ER and AA are currently reviewing the potential for two crews to work at Pitt Street simultaneously to manage overall impacts and limit the duration and number of nights required for utilities works. Community feedback has been received following more than two weeks of consultation with the overwhelming response (90-95%) being in favour of a shorter but potentially more intense OOH works period. The limited negative response was from respondents that wanted no noise during standard or OOH periods. The ER and AA are looking to approve these works with conditions following demonstrated consistency with CNVIS outputs, clear management of works to limit cumulative impacts and a strategy for noise monitoring in conjunction with the demonstrated community support. In particular the PC will work with hotel operators to schedule the works to minimise noise impacts for key clientele where practical.
- The ER and AA were working with PC for an extended phase of stormwater and asset protection works at WISD and looking to provide Alternate Accommodation for an extended period to relevant receivers to minimise the number of nights required to work and the overall disruption to the community. However the design requirements for these works have changed and enabled the OOH components to be significantly scaled down. This phase of works is still under review and assessment following feedback from the ER and AA.

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>