


MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

Project:	Chatswood to Sydenham SSI-7400		
For period:	May 2022	Authorisation:	
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Introduction

EMM Consulting Pty Limited (EMM) presents the May 2022 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.

Acoustic Advisor Activity

- Review and endorsement of:
 - Barangaroo Laydown CNVIS Rev 5;
 - LWW Blues Point Streetscaping CNVIS Rev 5 (review only);
 - LWW CSSI 7400 C16 & CSSI 8256 C14 Construction Monitoring Report September 2021 to February 2022;
 - MPISD Six Monthly Noise & Vibration Monitoring Report July to Dec 2021;
 - PSISD CNVIS Rev 13.5;
 - WISD CNVMP Capping Beam Rev 1.1; and
 - WISD CNVIS Capping Beam Removal Addendum #3 Rev 3.
- Review and endorsement of out of hours work applications (OOHWA) and extensions for:
 - Barangaroo OOHWA6 Hickson Rd Works Rev 2;
 - LWW OOHWA223 June Long Weekends;
 - LWW OOHWA225 Randle Lane Nightworks;
 - LWW OOHWA226 Belmore Street Joint Bay Dewatering;
 - MPISD OOHWA94 North Site Hoarding Works Rev 6;
 - PSISD OOHWA35 SPU Rev J;
 - PSISD OOHWA38 Utilities Rev 4;
 - VCISD OOHWA18 VC North Stormwater Works;
 - WISD OOHWA35 Botany Road Crossing Rev B;
 - WISD OOHWA36 Ausgrid Outage 3;
 - WISD OOHWA37 Wellington Street Utility Crossing Rev A and Rev B; and
 - WISD OOHWA39 June, July & August utility works Rev A.
- Attendance at Sydney Metro and DPE monthly meeting, and ongoing meetings with CNISD, VCISD, Barangaroo Station, PSISD, MPISD, CSM and WISD contractors.

Inspections, audits and site visits

The following was undertaken:

- PSISD inspection with ER 3 May 2022 and 24 May 2022;
- WISD inspection with ER 12 May 2022;
- CNISD inspection with ER 11 May 2022; and
- CSM inspection with ER 11 May 2022 and 25 May 2022.

Monitoring status

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

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

- Noise complaints from Northern Connection (Chatswood), CNISD, VCISD, Barangaroo Station, PSISD, CSM and WISD were received, with most classified as unavoidable. Avoidable complaints were received at:
 - Northern Connection (Chatswood) due to an idling truck parked directly outside of a resident's house before 7am;
 - PSISD due to a worker playing loud music; and
 - CSM due to works outside of approved work hours in EPL OOH permit.

These complaints were dealt with appropriately by contractors by measures such as toolbox talks and reinforcement of mitigation and management measures.

- Two complaints are currently under investigation by the contractor at CNISD. One was due to works starting at 7am on a Saturday which are approved in the current OOH approval. Another was raised due to dogman shouting to communicate during an OOH girder delivery. The use of walkie talkies will be reinforced to minimise shouting in future deliveries.
- Two complaints are currently under investigation by the contractor at PSISD due to OOH noise. The investigation was initiated to determine whether PSISD was generating the noise subject to compliant or if this was another project in the vicinity.

Initiatives

- We have continued to request attended noise monitoring records on a regular basis to verify that the appropriate level of information is being recorded by noise monitoring personnel and overall adherence to CNVMP and NMP requirements.

Non-compliances, incidents and events

- Nil.

Ongoing and upcoming environmental risks

- At Barangaroo, high noise works including the demolition of Hickson Road will be occurring over the coming months during standard construction hours.
- Ongoing OOH utility works at WISD.
- OOH works, particularly long running concrete pours and/or oversize deliveries at ISD sites at WISD, VCISD and CNISD will continue.
- A significant phase of utilities works will continue at PSISD. OOH is required due to ROL requirements and footpath permits from Council.

- Capping beam removal will continue at WISD during standard construction hours. The initial methodology of 40t excavator and hydraulic rock breaker attachment was scrutinised heavily by ER and AA and the contractor was requested to review other methodologies. WISD now propose to utilise a combination of 40t excavator and hydraulic rock breaker attachment in some areas and a wire saw and core drilling (consistent with successful removal of capping beam at PSISD) in other areas for capping beam removal. The CNVIS and CNVMP were updated to incorporate these works and endorsed.

Recommendations (incl auditing):

Nil

Acronyms

<i>CNISD</i>	<i>Crows Nest Integrated Station Development</i>
<i>CNVIS</i>	<i>Construction Noise and Vibration Impact Statement</i>
<i>CNVMP</i>	<i>Construction Noise and Vibration Management Plan</i>
<i>CSM</i>	<i>Central Station Metro</i>
<i>DPE</i>	<i>NSW Department of Planning and Environment</i>
<i>ER</i>	<i>Environmental Representative</i>
<i>ISD</i>	<i>Integrated Station Development</i>
<i>LWW</i>	<i>Line Wide Works</i>
<i>MPISD</i>	<i>Martin Place Integrated Station Development</i>
<i>NVA</i>	<i>Noise and Vibration Assessment</i>
<i>NVMP</i>	<i>Noise and Vibration Monitoring Plan</i>
<i>OOH</i>	<i>Out of hours</i>
<i>OOHW</i>	<i>Out of hours work</i>
<i>OOHWA</i>	<i>Out of Hours Work Application</i>
<i>OSOM</i>	<i>Oversize, overmass</i>
<i>PSISD</i>	<i>Pitt Street Integrated Station Development</i>
<i>ROL</i>	<i>Road Occupancy License</i>
<i>SSJ</i>	<i>Sydenham Station Junction</i>
<i>TSS</i>	<i>Traction Substation</i>
<i>VCISD</i>	<i>Victoria Cross Integrated Station Development</i>
<i>WISD</i>	<i>Waterloo Integrated Station Development</i>