


MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

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

EMM Consulting Pty Limited (EMM) presents the June 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:
 - CSM Construction Monitoring Report July to December 2021;
 - CNISD Construction Monitoring Report October 2021 to March 2022 Rev A (review only);
 - LWW Blues Point Streetscaping CNVIS Rev 6;
 - PSISD Construction Monitoring Report January to March 2022 Rev 0;
 - PSISD CNVIS Rev 13.7; and
 - VCISD Construction Monitoring Report July to December 2021 Rev B (review only).
- Review and endorsement of out of hours work applications (OOHWA) and extensions for:
 - Barangaroo OOHWA8 Rev 2 July traffic switch;
 - Barangaroo OOHWA2.4 Rev A Station works July to September;
 - CNISD OOHWA Mobile cranes Rev A (review only);
 - LWW OOHWA230 Surry Hills BPS Belmore Street Joint Bay Excavation;
 - LWW OOHWA39 June, July & August (Utilities);
 - PSISD OOHWA35 SPU Rev L;
 - PSISD OOHWA37 Hoarding Rev 5;
 - PSISD OOHWA38 Rev 7 extension for works (investigations only) due to heritage find and safety issue;
 - PSISD OOHWA40 Rev D;
 - PSISD OOHWA42 Rev B;
 - VCISD OOHWA17 Victoria Cross south OOH works Rev 8;
 - VCISD OOHWA11 Cavern works Rev 4;
 - VCISD OOHWA15 Victoria Cross North OOH works Rev 14;
 - VCISD OOHWA20 North site April to June weekend works Rev 6;
 - VCISD OOHWA21 North site hoarding Rev 2;
 - WISD OOHWA36 Ausgrid outage 3 Rev C;
 - WISD OOHWA38 Level 1 and Level 2 pours Rev B;

- WISD OOH39 June, July and August Utility Works Rev B; and
- WISD OOHWA40 Rev B.
- 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 done:

- WISD inspection with ER 3 June 2022;
- MPISD inspection with ER 3 June 2022 and 25 May 2022;
- CNISD inspection with ER 15 June 2022; and
- PSISD inspection with ER 21 June 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 CNISD (x1), VCISD (x2), PSISD (x2), Surry Hills (x1) and WISD (x2) were received, with most classified as unavoidable. Avoidable complaints were received at:
 - Surry Hills due to the early delivery of equipment prior to the approved start time;
 - VCISD due to worker behaviour; and
 - PSISD due to a concrete pour starting before 7am without approval.

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

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

- A non-conformance report was raised by the contractor at PSISD for the early morning concrete pour that occurred without formal approval.

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 and WISD. OOHW 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 have now been endorsed.

- Several ISDs are now approaching or are at ground level with noise levels increasing and works being more visible to the community and nearest noise-sensitive receivers. This increases the risk of noise impacts and complaints and will be monitored closely.
- OSOM OOH girder deliveries will be occurring at CNISD throughout July.

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>