


MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

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

EMM Consulting Pty Limited (EMM) presents the February 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:
 - WISD CNVIS Rev 3;
 - CSM LWW (Tunnel Trackworks) Noise and Vibration Assessment R4;
 - LWW Hill Street Roseville Ancillary Facility CNVIS;
 - LWW Barangaroo Concrete Pours from Acoustic Shed CNVIS;
 - CNISD CNVIS Rev J (review only); and
 - PSISD CNVIS Rev 13 (final review and endorsement).
- Review and endorsement of out of hours work applications (OOHWA) and extensions for:
 - MPISD OOHWA 94 North Site hoarding works Feb 2022;
 - LWW OOHWA 192 Artarmon TSS Transformer Installation Works;
 - CSM OOHWA February 2022 works (final review and endorsement);
 - PSISD OOHWA 34;
 - WISD OOHWA 27 Sydney Water Cutover (review only);
 - WISD OOHWA 28 Ausgrid Outage 2 (review only);
 - WISD OOHWA 29 March OOH Work 2022; and
 - Barangaroo OOHWA 6 Hickson Road Utility Works Rev 4.
- Attendance at Sydney Metro and DPE monthly meeting, and ongoing meetings with CNISD, CSM, PSISD, VCISD, MPISD, Barangaroo Station and WISD contractors.

Inspections, audits and site visits

The following was undertaken:

- Attendance at the Millers Point Community Resident Action Group meeting to discuss Barangaroo bridge demolition works;
- Daytime observations at High Street Millers Point to inspect Barangaroo bridge demolition works;
- Barangaroo ER fortnightly site inspection; and
- CSM ER fortnightly inspection (x2).

Monitoring status

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

Noise and vibration complaints

- Noise complaints from Barangaroo, Northern Connection (Blues Point), Pitt Street, CNISD, VCISD, MPISD and WISD were received. These complaints were dealt with appropriately by contractors.

Initiatives

- We have continued to request noise monitoring records on a more 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

- As part of the initiative discussed above, it was found that the site NATA calibration for the sound level meter used at VCISD had expired. Accordingly, an NCR was raised. The NATA calibration of the meter has since been rectified.

Ongoing and upcoming environmental risks

- High noise temporary bridge demolition works occurred at Barangaroo this month which generated a relatively high number of noise complaints from the Millers Point community. The works were undertaken during standard construction hours, within the agreed hours (including respite) and in accordance with community notifications. Nonetheless, given the activity, we believe that noise levels were much higher than other typical site activities which likely caught the community off-guard, therefore, causing concern and triggering the complaints. Sydney Metro and Besix Watpac response was immediate and highly affective. A key part of this response was attendance at the Millers Point Community Resident Action Group meeting which allowed the community to share their concerns in front of Sydney Metro, Besix Watpac and the AA.

There were several actions agreed to at this meeting which were responded to quickly and effectively. The outcome has been positive with no additional complaints with respect to these works.

Future high noise works including the demolition of Hickson Road will be occurring over the coming months. These works will be positioned closer to the Hickson Road heritage wall which will provide a higher level of acoustic shielding to nearest residences in High Street. The impacts will otherwise be managed with a proactive communication strategy and application of feasible and reasonable mitigation.

- OOH works, particularly long running concrete pours and/or oversize deliveries at ISD sites at WISD, VCISD and CNISD during extended working hours to catch up lost time due to construction pause and other impacts due to Covid.
- OSOM OOH girder deliveries will re-commence at CNSID on March 13 2022 (weather pending).
- The Environmental Planning and Assessment (COVID-19 Development – Infrastructure Construction Work Days No. 2) Order 2020 (Covid-19 Order) for extended construction hours on Saturdays, Sundays and Public Holidays expires on March 31 2022. All Sydney Metro ISD contractors have relied heavily on these additional hours to make up for the significant project delays that Covid-19 has generated across the project. In conjunction with Sydney Metro, ISD Contractors and the ERs, EMM as AAs are exploring opportunities to allow some work to continue over the hours allowed under the Covid-19 Order. This will allow contractors to self-manage social distancing and the potential spread of Covid-19 throughout the workforce whilst also supporting the ongoing timely delivery of the project. This is on the proviso that the works meet all relevant provisions in the SSI 15_7400 and the Sydney Metro City & Southwest Out of

Hours Work Strategy/Protocol. Community agreements developed under the provision of CoA E44 E for some ISDs have also been discussed in detail and such agreements will be explored throughout March 2022.

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>OSOM</i>	<i>Oversize, overmass</i>
<i>PSISD</i>	<i>Pitt Street Integrated Station Development</i>
<i>SSJ</i>	<i>Sydenham Station Junction</i>
<i>VCISD</i>	<i>Victoria Cross Integrated Station Development</i>
<i>WISD</i>	<i>Waterloo Integrated Station Development</i>