

MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

Project:	Chatswood to Sydenham SSI-7400		
For period:	December 2021	Authorisation:	
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Introduction

EMM Consulting Pty Limited (EMM) presents the December 2021 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:
 - VCISD LWW Station Fitout NVA Rev2;
 - CSM LWW Station Fitout NVA Rev3; and
 - Barangaroo LWW P3 laydown CNVIS Rev3.
- Review and endorsement of out of hours work applications (OOHWA) and extensions for:
 - WISD OOHWA 22 Ausgrid Outage at Cope/Raglan Street Intersection RevD;
 - WISD OOHWA 24 Ausgrid Outage Cope St South RevC;
 - WISD OOHWA 25 January 2022 RevC;
 - VCISD OOHWA 15 for North Site Rev7;
 - VCISD OOHWA 17 for South Site Rev3;
 - CNISD OOHWA Extended Work Hours – December 2021;
 - LWW Extended OOHWA-110 Application Artarmon TSS Cable Pulling Rev1; and
 - LWW OOHWA-181 Artarmon BPS Cable Pulling on Reserve Road Rev1.
- Attendance at Sydney Metro meetings with DPIE, and meetings with CNISD, CSM, PSISD, VCISD, MPISD, LWW (Systems Connect) Barangaroo Station and WISD contractors.

Inspections, audits and site visits

- VCISD north site visit to observe concrete pour within acoustic enclosure, 2 December 2021;
- Barangaroo Station ER Inspection 9 December 2021;
- CSM ER Inspection 15 December 2021;
- WISD ER Inspection 16 December 2021; and
- PSISD ER Inspection 21 December 2021.

Monitoring status

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

Noise and vibration complaints

- Noise and vibration complaints from CNISD, VCISD, Blues Point, PSISD and WISD were received. Several of these were 'avoidable' instances caused by worker behaviour such as dropping of materials from height and playing music. These complaints were dealt with appropriately by contractors.

Initiatives

- Similar to previous months, the focus this month as relatively new AAs on the project was to visit project sites as soon as possible to gain an understanding of what is occurring 'on-the-ground' and to meet key stakeholders. EMM staff has now visited all ISDs.

Non-compliances, incidents and events

- A non-compliance report (NCR) at VCISD (south) was raised against SSI E36 due to work starting before 7am without approval. Noise from the work was observed from a near neighbour who subsequently lodged a complaint with the contractor. Corrective action was initiated by the contractor including re-emphasis of approved construction hours with the construction team.

Ongoing and upcoming environmental risks

- OOH works, particularly long running concrete pours and/or oversize deliveries at ISD sites through December at WISD, VCISD and CNISD during extended working hours to catch up lost time due to construction pause and other impacts due to Covid.
- A 'watching brief' continues for ongoing OOH girder deliveries at CNISD. The risks associated with this activity have been discussed at length with the contractor and to ensure that all feasible and reasonable measures to mitigate and manage noise levels are duly considered and implemented. At this stage there are no OSOM girder deliveries scheduled for January 2022.

Recommendations (incl auditing):

- A project wide review of noise and vibration training of contractor staff who are involved with noise and vibration prediction, management and measurement was recommended last month. This has not progressed further due to other tasks discussed herein taking priority, however the intention is to revisit this initiative in early 2022.

Acronyms

<i>CNISD</i>	<i>Crows Nest Integrated Station Development</i>
<i>CNVIS</i>	<i>Construction Noise and Vibration Impact Statement</i>
<i>CSM</i>	<i>Central Station Metro</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>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>