

# FUGRO TECHNICAL SERVICES LIMITED

Fugro Development Centre,  
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Report No.: 0064/18/ED/0411B

## ANNUAL EM&A REPORT

December 2018 - November 2019

**Client** : Civil Engineering and Development  
Department, HKSAR

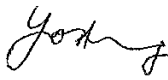
**Contract No.** : NDO 03/2018

**Contract Name** : Road Widening and Retrofitting Noise Barriers  
on Tai Po Road (Sha Tin Section)

**Report No.** : 0064/18/ED/0411B

**Prepared by** : Rex Chow

**Reviewed by** : Cyrus Lai

**Certified by** :   
\_\_\_\_\_  
David Hung  
Environmental Team Leader  
Fugro Technical Services Limited

Our ref: PL-202011033

Unit 1501, Level 15,  
Tower I, Metroplaza,  
223 Hing Fong Road, Kwai Fong,  
N.T., Hong Kong.

Attention: Miss FUNG Cannifer

30 November 2020

Dear Miss Fung,

**NE/2017/05**

**Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)  
Annual EM&A Report for December 2018 to November 2019**

I refer to the email of the ET regarding to the captioned Annual EM&A Report with report No. 0064/18/ED/0411B, we have no adverse comment on it and verify this annual report according to section 1.9 of the Environmental Permit with Permit No. EP- 463/2013/B

Yours faithfully,



Li Wai Ming Kevin  
Independent Environmental Checker

cc. CRE – Mr. YU Albert (by email only: albert.yu@aecom.com)  
CEDD – Mr. YAN Joseph (by email only: jkcyang@cedd.gov.hk)



**FUGRO TECHNICAL SERVICES LIMITED**

Fugro Development Centre  
5 Lok Yi Street, Tai Lam  
Tuen Mun, NT  
Hong Kong

Date 30 November 2020

Our Ref. MCL/ED/0631/2020/C

The EIA Ordinance Register Office  
Environmental Protection Department  
27/F, Southorn Centre,  
130 Hennessy Road, Wan Chai, Hong Kong  
Attn: Ms. LAU Yee Ching, Eva

BY HAND & E-MAIL

Dear Ms. Lau,

**Contract No. NE/2017/05**

**Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)**

**Environmental Permit: EP-463/2013B**

**Submission of Annual EM&A Report (0064/18/ED/0411B)**

Pursuant to Updated EM&A Manual Section 8.8, we hereby submit three hardcopies and two e-copy of the annual EM&A Report (0064/18/ED/0411B) for your retention. This annual EM&A Report has been certified by ETL and verified by IEC accordingly.

Thank you for your attention, should there be any comments or queries, please contact our Environmental Team Leader David Hung at 3565-4371.

Yours faithfully,  
for and on behalf of  
FUGRO TECHNICAL SERVICES LIMITED

---

David Hung  
Environmental Team Leader

c.c. CEDD Attn: Mr. Kevin Yip / Ms. Cannifer Fung (by E-mail)  
AECOM Attn: Mr. Albert Yu / Mr. Jacky Tse / Mr. Andrew Cheng /  
Mr. Matthew Ma (by E-mail)  
IEC Attn: Mr. Kevin Li / Mr. Tandy Tse (by E-mail)  
CCZJV Attn: Mr. Chung Sing Chu / Ms. Kimberly Wong / Mr. Aaron Au (by E-mail)

Encl.

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Report No.: 0064/18/ED/0411B

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## EXECUTIVE SUMMARY

- i. The Civil Engineering and Development Department HKSAR has appointed Fugro Technical Services Limited (FTS) to undertake the Environmental Team services for the Project and implement the EM&A works.
- ii. This is the 1<sup>st</sup> Annual EM&A Report presents the environmental monitoring and audit works for the period between 29 Nov 2018 and 30 November 2019. As informed by the Contractor, summary of major activities in the reporting period included:

Date	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Dec 2018	<ul style="list-style-type: none"> <li>• Site clearance</li> </ul>				
Jan 2019	<ul style="list-style-type: none"> <li>• Utilities detection and trail pit by hand digging</li> </ul>				
Feb 2019	<ul style="list-style-type: none"> <li>• Implementation of temporary traffic arrangement</li> <li>• Tree felling</li> </ul>				
Mar 2019	<ul style="list-style-type: none"> <li>• Tree felling</li> <li>• Underground utilities detection</li> </ul>				
Apr 2019	<ul style="list-style-type: none"> <li>• Trail pit excavation</li> <li>• Ground investigation works</li> </ul>				
May 2019	<ul style="list-style-type: none"> <li>• Construction of temporary road and site access</li> <li>• Temporary road, access and temporary fill platform construction</li> </ul>				
Jun 2019	<ul style="list-style-type: none"> <li>• Trial Pits Excavation</li> <li>• Underground utilities detections</li> <li>• Tree felling / pruning / preservation</li> </ul>				
Jul 2019	<ul style="list-style-type: none"> <li>• Construction of temporary road and site access</li> <li>• Underground utilities diversion</li> <li>• ELS and piling construction</li> </ul>				
Aug 2019	<ul style="list-style-type: none"> <li>• Ground investigation works</li> <li>• Retaining Wall Construction</li> <li>• Central divider modification</li> </ul>				
Sep 2019	<ul style="list-style-type: none"> <li>• Trial Pits Excavation</li> <li>• Underground utilities detections and diversion</li> <li>• Tree pruning / preservation</li> <li>• Construct temporary road and site access</li> <li>• Lane Shift Works</li> </ul>				
Oct 2019	<ul style="list-style-type: none"> <li>• Retaining Wall Construction</li> <li>• Construct ELS and piling platform</li> <li>• Road / lane marking modification and asphalt works</li> <li>• Central divider modification</li> <li>• Bored pile works</li> <li>• Staircase structure works</li> </ul>				
Nov 2019	<ul style="list-style-type: none"> <li>• Asphalt Milling and Paving and Lane Marking Modification</li> <li>• Pre-drilling works and Soldier Pile works</li> <li>• Central median modification</li> <li>• Bore piling</li> <li>• Structure Works for Staircase</li> </ul>				

### Breaches of the Action and Limit Levels

- iii. No Action / Limit Level exceedance was recorded for 24-hr and 1-hr TSP at the site area in the reporting quarter.
- iv. Day time construction noise monitoring was carried out in the reporting period, no Action / Limit Level exceedance was recorded during the period.



- v. For night time construction noise monitoring, twenty three exceedance cases were recorded between Dec 2018 and Nov 2019 during 2300 and 0700 of the next day during the reporting period. After ET's further investigation, one noise exceedance case on 27 Sep 2019 was project related. The reason for the exceedance was construction noise related to road paving. The other 22 exceedance cases should be background traffic noise.

### **Complaint, Notification of Summons and Successful Prosecution**

- vi. Total 8 complaint cases were received between Dec 2018 and Nov 2019. After ET's investigation, 6 complaint cases on 13/02, 22/02, 30/08, 08/10, 09/10 and 06/11 were considered project-related.
- 2 complaint cases were received in Feb 2019. A complaint received on 13/02 referred from EPD regarding noise from tree-felling works by using chain saw near Lek Yuen Estate Kwai Wo House on 1 am. Another complaint received on 22/02 from project hotline of NE/2017/05 regarding the noise generated from the tree felling works during the mid-nights. After ET's investigation, the complaint cases were considered project-related.
  - 1 complaint case on 30/08 was considered project-related. It was regarding noise nuisance from breaking works at road side around midnight and the major night works of the main contractor on 28/08 - 30/08 between 11:00pm and 00:30am the next day was road breaking work at zone 2 (south bound) adjacent to Wai Wah Centre.
  - 2 complaint cases regarding noise nuisance were received on 08/10 and 09/10. After ET's investigation, the noise nuisances on 08/10 and 09/10 were considered to be project-related. For the case of noise nuisance near Wai Wah Centre, the contractor was permitted to carry out an emergency road repair works under an emergency excavation permit issued by the Highways Department; the work was not covered by the construction noise permit (CNP) issued by the EPD. The complaint case of Wo Che Estate was the noise from a generator which would only be operated in daytime 07:00-17:00 but not in restricted hours and a CNP was not required. The main contractor was reminded to strictly follow the use of their proposed semi-enclosure as the mitigation measures for the portable generator and the generator operates in daytime 07:00-19:00 only.
  - 1 complaint cases regarding noise nuisance were received on 06/11 respectively. The complaint case on 06/11 was considered to be project-related. For the case of noise nuisance near Wai Wah Centre, main contractor of the project conducted the emergency road repair works under an Emergency Excavation Permit (EXP) of Plan ID: EO13123 with an emergency code M834914 with period starting from 05/11 till 11/11, which had been issued by the Highways Department (HyD). For construction works covered by the CNP issued by EPD, the main contractor should fully comply with the conditions as stipulated and provided all noise mitigation measures as required under the conditions of the CNP. For works subject to the emergency situation, noise mitigation measures such as noise barrier, enclosure etc. should be provided as far as practicable to minimise the noise nuisance to the NSRs.
  - 1 complaint case was received in Mar 2019 referred from Contractor project hotline regarding noise nuisance at 03:35 am on 28/03/2019. After ET's investigation, the complaint case should be related to MTR night time maintenance works with grinding noise.
  - 1 complaint cases regarding noise nuisance were received on 26/07. After ET's investigation, it should be related to traffic noise but not the project-related construction activities.
- vii. No notification of summons and successful prosecution were received in the reporting period.



### Site Inspection, Deficiency and Remedial Action

- viii. Site inspections were carried out weekly to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. In the reporting year, 54<sup>[1]</sup> site inspections were carried out during the reporting period. 12 joint inspections were conducted with the IEC, ER, the Contractor and the ET.

Note: [1] 1 site walk on 30 Nov 2018 was included.

- ix. All the follow-up actions requested by ET and IEC during the site inspections were completed and reported by the Contractor. All the rectifications during the reporting period were fulfilled with the requirement of Proposal of Site Inspection, Deficiency and Remedial Action.
- x. No outstanding issues were reported during the reporting period.



## 1. INTRODUCTION

### 1.1 Background

1.1.1 Contract No. NE/2017/05 – Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section) (TPR-ST) (hereafter referred as “the Contract”), is the Works Contract involved the construction of road widening and retrofitting noise barriers on TPR-ST.

1.1.2 The Works of road widening on TPR-ST is classified as a designated project (DP) under the Part I of Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499). The scale and scope of DP is classified as below:

- Widening and reconstruction of an approximate 1.2 km long of the existing Tai Po Road (Sha Tin Section) from dual 2-lane to dual 3-lane carriageway; and improvement of the existing Sha Tin Rural Committee Road and its junctions.

1.1.3 The Environmental Monitoring and Audit (EM&A) programme under this Contract is governed by the Environmental Permit (EP) (EP No: EP-463/2013/B) and the updated EM&A Manual (Reference No.: 0064/18/ED/0122D). The Works to be executed under this Contract and corresponding EPs include but not be limited to the following main items:

(i) Road widening works of TPR-ST:

- (a) widening of TPR-ST of about 1.1 kilometres between Sha Tin Rural Committee Road (STRCR) and Fo Tan Road from dual two-lane to dual three-lane;
- (b) modification to the existing diamond interchange at TPR-ST / STRCR (STRCR Interchange);
- (c) provision of two pedestrian lifts, re-provision of staircase and cycle track ramp at the modified STRCR Interchange;
- (d) modification of existing cycle track subway no. NS30 near Sha Tin Plaza;
- (e) modification of the existing footbridge no. NF40 across TPR-ST near Wo Che Street;
- (f) modification of the existing footbridge no. NF66 near Fung Wo Lane;
- (g) installation of noise mitigation measures between Citylink Plaza and Mei Wo House of Wo Che Estate;
- (h) associated drainage works, waterworks, street lighting works and traffic control and surveillance system (TCSS).

(ii) Retrofitting of noise barriers along TPR-ST:

- (a) western section between Citylink Plaza and Scenery Court;
- (b) eastern section between Mei Wo House of Wo Che Estate and Fo Tan Road; and



(c) associated drainage works, waterworks and street lighting works.

(iii) Associated street furniture, road marking, traffic signs, directional signs, services and utilities, and

(iv) Associated landscaping works.

1.1.4 The location and boundary of the site is shown in **Figure 1**.

1.1.5 This annual EM&A report is required under EP-463/2013/B Condition 3.4. It is to report the results and findings of the EM&A programme required in the updated EM&A Manual.

1.1.6 This is the 1<sup>st</sup> annual EM&A Report which summarized the impact monitoring results and audit findings for the construction of the road widening and retrofitting noise barriers on Tai Po Road (Sha Tin Section) (TPR-ST) (hereafter referred as “the Project”) within the period between 29 Nov 2018 and 30 Nov 2019.

**1.2 Project Organization**

1.2.1 The project proponent was the Civil Engineering and Development Department, HKSAR (CEDD). AECOM Asia Co. Ltd. (AECOM) was commissioned by CEDD as the Engineer for the Project. Acuity Sustainability Consulting Limited-Nature & Technologies (HK) Limited Joint Venture was commissioned as the Independent Environmental Checker (IEC). China railway-China Railway First Group-Zhen Hua Engineering Joint Venture (CCZJV) was appointed as the main contractor for the construction works under the contract NE/2017/05. Fugro Technical Services Limited (FTS) was appointed as the Environmental Team (ET) by CEDD to implement the EM&A programme for the Project.

1.2.2 The organization structure is shown in **Appendix B**. The key personnel contact names and numbers for the Project are summarized in **Table 1.1**.

**Table 1.1 Contact Information of Key Personnel**

Party	Position	Name	Telephone
Project Proponent (CEDD)	Senior Engineer	Ms. Cannifer Fung	3152 3446
Engineer’s Representative (AECOM)	Chief Resident Engineer	Mr. Albert Yu	2276 0618
IEC (Acuity Sustainability Consulting Limited-Nature & Technologies (HK) Limited Joint Venture)	Independent Environmental Checker	Mr. Kevin Li	9779 2247
Main Contractor (CCZJV)	Site Agent	Mr. Alvin Chan	9800 9494
	Environmental Officer	Ms. Kimberly Wong	5542 1669
ET (FTS)	Environmental Team Leader	Mr. David Hung	3565 4371



**1.3 Construction Programme and Activities**

1.3.1 The construction of the Project commenced on 29 November 2018 and is expected to complete in 2023. The construction programme is shown in **Appendix A**. A summary of the major construction activities undertaken in the reporting period were:

Date	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Dec 2018	<ul style="list-style-type: none"> <li>• Site clearance</li> <li>• Utilities detection and trail pit by hand digging</li> <li>• Implementation of temporary traffic arrangement</li> </ul>		<ul style="list-style-type: none"> <li>• Site clearance</li> <li>• Utilities detection and trail pit by hand digging</li> </ul>		
Jan 2019	<ul style="list-style-type: none"> <li>• Utilities detection, trail pit</li> <li>• Implementation of temporary traffic arrangement</li> </ul>		<ul style="list-style-type: none"> <li>• Tree felling</li> <li>• Utilities detection, trail pit</li> <li>• Implementation of temporary traffic arrangement</li> </ul>		<ul style="list-style-type: none"> <li>• Utilities detection and trail pit</li> </ul>
Feb 2019	<ul style="list-style-type: none"> <li>• Tree felling</li> <li>• Utilities detection, trail pit</li> <li>• Implementation of temporary traffic arrangement</li> </ul>	<ul style="list-style-type: none"> <li>• Utilities detection, trail pit and implementation of temporary traffic arrangement</li> </ul>	<ul style="list-style-type: none"> <li>• Tree felling</li> <li>• Utilities detection, trail pit</li> <li>• Implementation of temporary traffic arrangement</li> </ul>		<ul style="list-style-type: none"> <li>• Utilities detection, trail pit and implementation of temporary traffic arrangement</li> </ul>
Mar 2019	<ul style="list-style-type: none"> <li>• Tree felling</li> <li>• Underground utilities detection</li> <li>• Trail pit excavation</li> <li>• Ground investigation works</li> <li>• Construction of temporary road and site access</li> </ul>		<ul style="list-style-type: none"> <li>• Trial pits excavation</li> <li>• Underground utilities detections</li> <li>• Ground investigation works</li> <li>• Temporary road, access and temporary fill platform construction</li> <li>• Tree felling works</li> </ul>	<ul style="list-style-type: none"> <li>• Tree felling</li> <li>• Underground utilities detection</li> <li>• Trail pit excavation</li> <li>• Ground investigation works</li> <li>• Construction of temporary road and site access</li> </ul>	
Apr 2019	<ul style="list-style-type: none"> <li>• Trial pits excavation</li> <li>• Underground utilities detection, temporary road and site access construction and tree felling</li> </ul>	<ul style="list-style-type: none"> <li>• Trial pits excavation</li> <li>• Underground utilities detections and tree felling</li> </ul>	<ul style="list-style-type: none"> <li>• Trial pits excavation</li> <li>• Underground utilities detections and tree felling</li> <li>• Trial pits excavation</li> <li>• Underground utilities detections</li> <li>• Construction of temporary road and site access</li> <li>• Construction of temporary fill platform and tree felling</li> </ul>	<ul style="list-style-type: none"> <li>• Trial pits excavation</li> <li>• Underground utilities detection, temporary road and site access construction and tree felling</li> </ul>	
May 2019	<ul style="list-style-type: none"> <li>• Trial pits excavation</li> </ul>	<ul style="list-style-type: none"> <li>• Trial pits excavation</li> </ul>	<ul style="list-style-type: none"> <li>• Trial pits excavation</li> </ul>	<ul style="list-style-type: none"> <li>• Trial pits excavation</li> </ul>	

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Date	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
	<ul style="list-style-type: none"> <li>Underground utilities detection, temporary road and site access construction and tree felling</li> </ul>	<ul style="list-style-type: none"> <li>Underground utilities detections and tree felling</li> </ul>	<ul style="list-style-type: none"> <li>Underground utilities detections and tree felling</li> <li>Trial pits excavation</li> <li>Underground utilities detections</li> <li>Construction of temporary road and site access</li> <li>Construction of temporary fill platform and tree felling</li> </ul>	<ul style="list-style-type: none"> <li>Underground utilities detection, temporary road and site access construction and tree felling</li> </ul>	
Jun 2019	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling</li> <li>Construction of temporary road and site access</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling</li> <li>Construction of temporary road and site access</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling</li> <li>Construction of temporary road and site access</li> <li>Underground utilities diversion</li> <li>ELS and piling construction</li> <li>Ground investigation works</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling</li> <li>Construction of temporary road and site access</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling</li> <li>Construction of temporary road and site access</li> </ul>
Jul 2019	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling / pruning / preservation</li> <li>Construction of temporary road and site access</li> <li>Ground Investigation Works</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling / pruning</li> <li>Construction of temporary road and site access</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling / pruning / preservation</li> <li>Constructing temporary road and site access</li> <li>Underground utilities diversion</li> <li>Construction of ELS and piling platform</li> <li>Retaining Wall Construction</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling / pruning</li> <li>Construction of temporary road and site access</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling / pruning / preservation</li> <li>Construction of temporary road and site access</li> </ul>
Aug 2019	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> </ul>

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Date	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
	<ul style="list-style-type: none"> <li>Tree felling / pruning / preservation</li> <li>Construction of temporary road and site access</li> </ul>	<ul style="list-style-type: none"> <li>Tree felling / pruning</li> <li>Construction of temporary road and site access</li> <li>Underground utilities diversion</li> </ul>	<ul style="list-style-type: none"> <li>Tree felling / pruning / preservation</li> <li>Construction of temporary road and site access</li> <li>Underground utilities diversion</li> <li>Construction of ELS and piling platform</li> <li>Retaining Wall Construction</li> <li>Central divider modification</li> </ul>	<ul style="list-style-type: none"> <li>utilities detection s</li> <li>Tree felling / pruning</li> <li>Construction of temporary road and site access</li> </ul>	<ul style="list-style-type: none"> <li>Tree felling / pruning</li> <li>Construction of temporary road and site access</li> <li>Underground utilities diversion</li> </ul>
Sep 2019	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree pruning / preservation</li> <li>Construct temporary road and site access</li> <li>Lane Shift Works</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Construct temporary road and site access</li> <li>Underground utilities diversion</li> <li>Lane Shift Works</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Construct temporary road and site access</li> <li>Underground utilities diversion</li> <li>Construct ELS and piling platform</li> <li>Retaining Wall Construction</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling / pruning</li> <li>Construct temporary road and site access</li> </ul>	<ul style="list-style-type: none"> <li>Trial Pits Excavation</li> <li>Underground utilities detections</li> <li>Tree felling / pruning</li> <li>Construct temporary road and site access</li> <li>Underground utilities diversion</li> </ul>
Oct 2019	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> <li>Construct temporary road and site access</li> <li>Lane shift works</li> <li>Road / lane marking modification and asphalt works</li> <li>Central divider modification</li> </ul>	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> <li>Construct temporary road and site access</li> <li>Underground utilities diversion</li> <li>Lane shift works</li> <li>Road / lane marking modification and asphalt works</li> <li>Central divider modification</li> </ul>	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> <li>Tree pruning / transplantation</li> <li>Construct temporary road and site access</li> <li>Underground utilities diversion</li> <li>Construct ELS and piling platform</li> <li>Road / lane marking modification and asphalt works</li> <li>Bored pile works</li> </ul>	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> <li>Construct temporary road and site access</li> <li>Staircase structure works</li> </ul>	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> <li>Tree felling / pruning</li> <li>Construct temporary road and site access</li> <li>Underground utilities diversion</li> </ul>
Nov 2019	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> </ul>	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> </ul>	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> <li>Underground utilities diversion</li> </ul>	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> </ul>	<ul style="list-style-type: none"> <li>Trial pits excavation</li> <li>Underground utilities detections</li> </ul>





Date	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
	<ul style="list-style-type: none"> <li>Asphalt Milling and Paving and Lane Marking Modification</li> <li>Central median modification</li> <li>Pre-drilling works</li> <li>Construct temporary road and site access</li> <li>Retaining wall construction</li> </ul>	<ul style="list-style-type: none"> <li>Central median modification</li> <li>Pre-drilling works</li> </ul>	<ul style="list-style-type: none"> <li>Retaining wall construction</li> <li>Bore piling</li> <li>Construct temporary road &amp; site access</li> <li>Pre-drilling works and Soldier Pile works</li> </ul>	<ul style="list-style-type: none"> <li>Construct temporary road and site access</li> <li>Structure Works for Staircase</li> </ul>	<ul style="list-style-type: none"> <li>Construct temporary road and site access</li> </ul>

**1.4 Status of Environmental Licences, Notifications and Permits**

1.4.1 A summary of the relevant environmental licenses, permits and/or notifications on environmental protection for this Contract is presented in **Table 1.2**.

**Table 1.2 Relevant Environmental Licenses, Permits and/or Notifications**

Environmental License / Permit / Notification	Reference Number	Valid From	Valid Till
Environmental Permit for whole project	EP-463/2013/B	20/12/2016	Nil
Receipt of the notification of construction dust production	Form NA	27/7/2018	Nil
Construction Waste Disposal Account	7031619	17/8/2018	Nil
Chemical Waste Producer Registration	5318-758-C4314-01	6/11/2018	Nil
Effluent Discharge License (Zone 1-Zone 5)	WT00032446-2018	9/11/2018	30/11/2023
Construction Noise Permit for Road Closure works at restricted hours	GW-RN0783-18	29/12/2018	28/2/2019
	GW-RN0132-19	1/3/2019	30/4/2019
	GW-RN0246-19	1/5/2019	30/6/2019
	GW-RN0443-19	1/7/2019	30/9/2019
	GW-RN0612-19	30/8/2019	31/10/2019
	GW-RN0443-19	1/7/2019	30/9/2019
	GW-RN0612-19	30/8/2019	31/10/2019
	GW-RN0633-19	1/10/2019	30/11/2019
GW-RN0842-19	1/12/2019	31/01/2020	



**2. SUMMARY OF EM&A REQUIREMENTS AND MONITORING RESULTS**

**2.1 Monitoring Requirement**

2.1.1 In accordance with the updated EM&A Manuals, 24-hour & 1-hour Total Suspended Particulates (TSP) level and Leq (30min) at the designated monitoring stations is required. Impact 24-hour and 1-hour TSP monitoring should be carried out at least once every 6 days. Leq (30min) monitoring is conducted for at least once a week during the construction phase between 0700 and 1900 on normal weekdays. The Action and Limit Levels of the air quality monitoring and noise monitoring are given in **Appendix C**.

**2.2 Monitoring Locations**

2.2.1 The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works. The most updated locations are summarized in **Table 2.1** and shown in **Figure 2a**.

**Table 2.1 Location of Air Quality Monitoring**

Reporting Period	Monitoring Station	Location	Land uses
December 2018	AMS 2	Villa Le Parc	Residential
	AMS 3A	Wai Wah Centre	Residential
	AMS 7A	Sheung Wo Che	Residential
	AMS 9	Shatin Tsung Tsin School	School
January 2019	AMS 1	Scenery Court	Residential
	AMS 4A	Wai Wah Centre	Residential
	AMS 12	Fung Wo Estate	Residential
	AMS 15	Ha Wo Che	Residential Village
February 2019	AMS 2	Villa Le Parc	Residential
	AMS 3A	Wai Wah Centre	Residential
	AMS 13	Fung Wo Estate	Residential
	AMS 14	Ha Wo Che	Residential Village
March 2019	AMS 1	Scenery Court	Residential
	AMS 2	Villa Le Parc	Residential
	AMS 4A	Wai Wah Centre	Residential
	AMS 6	Shatin Plaza	Residential
April 2019	AMS 1	Scenery Court	Residential
	AMS 2	Villa Le Parc	Residential
	AMS 4A	Wai Wah Centre	Residential
	AMS 6	Shatin Plaza	Residential
May 2019	AMS 6	Shatin Plaza	Residential
	AMS 7A	Sheung Wo Che	Residential
	AMS 12	Fung Wo Estate	Residential
	AMS 15	Ha Wo Che	Residential
June 2019	AMS 4A	Wai Wah Centre	Residential
	AMS 7A	Sheung Wo Che	Residential
	AMS 8	Lek Yuen Estate	Residential
	AMS 13	Fung Wo Estate	Residential
July 2019	AMS 4A	Wai Wah Centre	Residential
	AMS 7A	Sheung Wo Che	Residential
	AMS 8	Lek Yuen Estate	Residential

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Reporting Period	Monitoring Station	Location	Land uses
August 2019	AMS 15	Ha Wo Che	Residential
	AMS 4A	Wai Wah Centre	Residential
	AMS 6	Shatin Plaza	Residential
	AMS 7A	Sheung Wo Che	Residential
	AMS 15	Ha Wo Che	Residential
September 2019	AMS 4A	Wai Wah Centre	Residential
	AMS 6	Shatin Plaza	Residential
	AMS 7A	Sheung Wo Che	Residential
	AMS 15	Ha Wo Che	Residential
October 2019	AMS 4A	Wai Wah Centre	Residential
	AMS 6	Shatin Plaza	Residential
	AMS 7A	Sheung Wo Che	Residential
	AMS 15	Ha Wo Che	Residential
November 2019	AMS 3A	Wai Wah Centre	Residential
	AMS 6	Shatin Plaza	Residential
	AMS 7A	Sheung Wo Che	Residential
	AMS 12	Fung Wo Estate	Residential

2.2.2 According to the updated EM&A Manual, 25 noise monitoring locations were included during the noise monitoring. The most updated locations are summarized in **Table 2.2** and shown in **Figure 2b**.



**Table 2.2 Location of Noise Monitoring Station**

Monitoring Station	Location	Land Uses	Type of Measurement
NMS1	Scenery Court	Residential	Façade
NMS2	Villa Le Parc	Residential	Façade
NMS3	Hilton Plaza	Residential	Façade
NMS4	Tin Liu	Residential Village	Façade
NMS5A	Wai Wah Centre	Residential	Façade
NMS6A	Wai Wah Centre	Residential	Façade
NMS7	Tin Liu	Residential Village	Façade
NMS8	Shatin Plaza	Residential	Façade
NMS9	Lek Yuen Estate	Residential	Façade
NMS10A	Shatin Tsung Tsin School	School	Façade
NMS11	Sheung Wo Che	Residential Village	Façade
NMS12	SKH Holy Spirit Primary School	School	Façade
NMS13	Lek Yuen Estate	Residential	Façade
NMS14	Sheung Wo Che	Residential Village	Façade
NMS15	Ha Wo Che	Residential Village	Façade
NMS16	Ha Wo Che	Residential Village	Façade
NMS17	Shatin Pui Ying College	School	Façade
NMS18	Ha Wo Che	Residential Village	Façade
NMS19	Wo Che Estate	Residential	Façade
NMS20	Wo Che Estate	Residential	Façade
NMS23	Pai Tau	Residential Village	Façade
NMS24	Shatin Plaza	Residential	Façade
NMS25A	Sheung Wo Che	Residential Village	Façade
NMS26	Wo Che Estate	Residential	Façade
NMS27	Jockey Club Ti-I College	School	Façade

**2.3 Results and Observations**

2.3.1 No Action and Limit Level exceedance for 24-hr & 1-hr TSP was recorded in the reporting period at all monitoring stations. The monitoring data of 24-hr and 1-hr TSP are summarized in **Table 2.3 and 2.4**. Graphical presentation of the monitoring data in the reporting period is presented in **Appendix D**.



**Table 2.3 Summary of 24-hr TSP Monitoring Results**

Monitoring Station	24-hr TSP ( $\mu\text{g}/\text{m}^3$ ) in Reporting Period												Average ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19			
AMS 1	-	18-47	-	21-35	11-35	-	-	-	-	-	-	-	29	171	260
AMS 2	23-78	-	24-49	35-53	38-65	-	-	-	-	-	-	-	46	166	
AMS 3A	49-95	-	40-61	-	-	-	-	-	-	-	-	47-122	66	200	
AMS 4A	-	63-90	-	34-60	33-71	-	37-85	56-77	51-104	43-121	63-142	-	70	200	
AMS 6	-	-	-	26-37	12-30	11-37	-	-	50-83	43-94	54-107	40-98	50	165	
AMS 7A	25-77	-	-	-	-	26-83	23-117	44-68	62-90	43-93	54-79	36-84	66	171	
AMS 8	-	-	-	-	-	-	24-108	43-81	-	-	-	-	66	161	
AMS 9	23-44	-	-	-	-	-	-	-	-	-	-	-	31	159	
AMS 12	-	60-80	-	-	-	30-85	-	-	-	-	-	31-82	62	168	
AMS 13	-	-	42-62	-	-	-	36-89	-	-	-	-	-	56	174	
AMS 14	-	-	21-70	-	-	-	-	-	-	-	-	-	43	174	
AMS 15	-	11-35	-	-	-	8-40	-	52-74	53-77	48-72	56-84	-	52	172	

**Table 2.4 Summary of 1-hr TSP Monitoring Results**

Monitoring Station	24-hr TSP ( $\mu\text{g}/\text{m}^3$ ) in Reporting Period												Average ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19			
AMS 1	-	29-78	-	12-66	22-89	-	-	-	-	-	-	-	52	350	500
AMS 2	11-130	-	16-48	40-61	20-129	-	-	-	-	-	-	-	50	324	
AMS 3A	39-132	-	42-82	-	-	-	-	-	-	-	-	47-142	85	350	
AMS 4A	-	45-128	-	41-97	22-116	-	33-109	57-96	51-102	42-133	57-147	-	79	348	
AMS 6	-	-	-	43-107	38-106	46-82	-	-	49-104	38-107	52-116	39-113	73	347	
AMS 7A	17-106	-	-	-	-	24-114	21-141	41-93	63-101	62-117	44-91	37-100	71	344	
AMS 8	-	-	-	-	-	-	23-149	44-100	-	-	-	-	74	366	
AMS 9	24-98	-	-	-	-	-	-	-	-	-	-	-	52	327	
AMS 12	-	27-98	-	-	-	32-92	-	-	-	-	-	29-89	63	296	
AMS 13	-	-	23-73	-	-	-	35-106	-	-	-	-	-	59	303	
AMS 14	-	-	26-96	-	-	-	-	-	-	-	-	-	60	350	
AMS 15	-	33-76	-	-	-	39-86	-	57-88	54-92	44-79	54-91	-	67	350	

2.3.2 No Action / Limit Level exceedance for day time construction noise monitoring was recorded in the reporting period at all monitoring stations. The results are summarized in **Table 2.5**. Graphical presentation of the monitoring data in the reporting period is presented in **Appendix D**.



**Table 2.5 Summary of Day Time Noise Impact Monitoring Results**

Monitoring Station	Leq (30min) Range ,dB(A) in Reporting Period												Leq (30min), Limit Level, dB(A)
	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	
NMS1	61.5-69.7	63.1-72.3	66.3-68.4	63.5-70.8	61.2-70.7	66.4-70.6	60.9-69.5	63.1-67.2	61.8-66.7	60.3-68.6	60.9-69.8	62.2-67.9	75
NMS2	55.0-61.0	54.0-61.0	58.0-59.5	61.0-62.0	57.3-62.4	59.0-61.6	54.6-72.0	58.6-61.5	56.4-61.8	55.3-63.0	56.7-65.7	57.9-61.2	75
NMS3	64.7-68.0	63.0-67.4	64.0-70.2	66.8-71.0	63.9-72.0	71.2-72.3	60.3-71.6	68.6-70.1	58.3-69.1	57.7-69.5	58.6-71.6	59.0-68.6	75
NMS4	61.0-66.0	64.0-66.9	71.4-71.6	66.8-72.1	66.3-72.6	72.1-73.1	64.1-71.6	67.2-71.6	63.1-70.9	64.8-72.1	65.4-72.8	65.0-71.6	75
NMS5A	71.1-75.0	70.2-75.0	68.0-73.4	68.1-74.5	71.8-74.6	70.9-74.1	68.9-73.8	71.8-73.6	66.7-72.2	67.9-73.0	65.3-74.4	69.9-73.1	75
NMS6A	71.5-74.1	71.4-73.4	67.4-72.5	69.2-74.7	71.0-73.6	73.2-74.2	69.4-72.1	72.1-73.8	67.2-72.7	67.7-74.1	65.8-74.0	68.7-72.4	75
NMS7	63.8-74.1	64.1-73.0	73.2-74.2	64.3-74.1	67.7-74.1	73.0-74.7	63.3-74.1	72.6-74.7	64.6-74.1	65.3-74.3	63.4-74.8	63.7-73.7	75
NMS8	65.0-73.0	65.6-72.0	64.6-68.6	65.7-71.4	69.2-72.1	66.2-72.1	65.9-71.1	66.4-72.0	63.8-68.6	66.2-71.6	67.9-70.6	68.0-71.3	75
NMS9	61.7-63.3	62.5-70.6	62.3-68.2	62.9-64.5	63.4-66.1	65.0-70.6	64.4-70.7	65.1-69.6	66.1-67.6	64.6-68.1	65.4-69.4	66.4-69.7	75
NMS10A	58.8-65.7	63.8-66.8	63.8-66.4	64.6-69.5	64.1-69.7	63.1-65.8	62.7-65.9	62.1-66.3	62.4-65.6	64.2-67.0	63.1-67.8	63.2-64.8	70*
NMS11	60.2-71.1	63.4-69.5	57.9-68.4	61.1-71.2	68.6-72.0	60.8-66.5	60.4-70.1	61.1-67.6	60.0-68.8	61.1-69.5	64.8-71.2	66.3-68.0	75
NMS12	58.0-66.9	61.0-65.6	59.0-64.1	59.1-65.0	62.7-64.6	59.5-64.6	58.5-63.9	64.2-64.8	62.0-66.1	60.5-64.7	61.8-64.6	63.6-65.1	70*
NMS13	59.0-64.7	59.3-68.5	58.7-65.5	61.3-73.1	64.8-67.6	55.4-71.0	55.8-68.6	61.9-69.1	60.5-68.0	56.1-69.1	66.1-67.8	66.7-67.8	75
NMS14	63.1-70.9	60.4-71.4	60.1-66.7	60.6-70.6	63.2-69.1	60.7-68.2	66.6-68.3	62.7-67.1	57.4-66.1	60.4-67.5	65.2-66.8	65.7-66.3	75
NMS15	61.6-68.1	64.4-68.5	63.9-67.4	64.9-66.1	64.2-69.4	64.9-69.2	63.8-71.5	66.1-68.1	63.2-68.2	62.9-68.4	63.4-67.5	64.4-65.6	75
NMS16	61.2-66.7	64.9-68.0	62.4-67.4	63.1-64.2	61.7-68.6	66.8-68.7	62.4-70.0	65.8-67.5	62.8-66.8	62.4-67.1	62.5-67.3	65.3-66.2	75
NMS17	62.0-69.0	59.5-65.1	59.9-63.3	60.3-65.5	62.7-64.8	60.3-64.6	62.2-66.5	62.5-66.7	60.2-68.1	60.8-64.5	63.8-64.8	63.7-64.6	70*
NMS18	57.7-69.6	62.4-70.5	60.0-73.2	62.5-65.5	60.3-65.8	65.8-67.6	60.7-72.5	64.9-66.1	60.5-66.0	59.8-64.8	60.6-67.5	63.7-66.1	75
NMS19	63.7-72.1	67.7-71.2	65.8-67.7	68.4-70.6	67.3-72.1	66.3-68.6	66.2-70.6	61.8-68.4	66.8-69.5	66.5-68.7	66.5-69.2	68.6-71.8	75
NMS20	58.7-69.7	61.3-71.6	58.8-67.5	60.6-65.4	63.2-67.0	60.6-70.7	63.4-68.1	63.1-68.2	59.4-67.1	61.2-67.6	67.0-70.3	67.7-69.6	75
NMS23	63.9-71.0	61.9-65.6	62.5-68.6	64.0-65.3	60.3-68.2	67.5-71.0	61.7-69.5	66.1-70.7	61.3-70.1	61.7-71.6	61.2-67.6	62.8-66.5	75
NMS24	63.0-65.9	63.1-69.0	62.7-67.5	63.5-73.0	70.1-72.1	63.7-72.1	64.2-72.1	62.5-72.1	61.4-69.1	64.3-69.9	64.5-72.1	69.4-72.6	75
NMS25A	65.3-73.6	66.5-71.4	62.1-72.1	68.6-72.4	69.2-72.1	69.2-71.2	66.7-72.6	67.7-72.6	66.1-72.1	69.7-72.4	62.8-72.6	72.6-74.2	75
NMS26	68.2-74.4	68.4-72.5	68.0-74.6	68.7-74.6	72.1-74.5	68.2-74.5	72.9-74.1	66.2-74.5	68.8-73.7	69.1-74.1	73.3-74.4	73.3-74.1	75
NMS27	64.6-69.9	64.0-69.6	63.5-64.2	63.2-64.6	62.1-69.5	62.1-64.7	62.6-66.0	64.1-64.7	61.9-64.3	60.5-64.8	61.6-64.7	62.8-64.3	70*

Note: 1. Leq (30min) was measured at day-time (0700-1900) on normal weekdays.  
2. 70 dB(A) for schools and 65 dB(A) for schools during examination period. Exam schedules of NMS 10A, NMS12, NMS 17 and NMS 27 are provided in the monthly report for reference.

2.3.3 According to the annual EM&A reports, 23 exceedance cases were recorded between 2300 and 0700 of the next day during the reporting year. After ET’s further investigation, as the dominant noise should be the background traffic noise, the 22 noise exceedance cases were considered not project-related. The results are summarized in **Table 2.6 and 2.7**.

2.3.4 1 exceedance at NMS 4 on 27 September 2019 was project-related. Refer to ET site staff observation, the domain noise source should be construction noise. Two major construction works were carried out on 27<sup>th</sup> Sep 2019 which are light poles installation and road paving. All flaps and panels of asphalt paver were closed. Engine exhaust silencer and minimum 50mm thick absorbing lining to the engine compartments had been provided for the asphalt paver, Contractor complied the CNP No.: GW-RN0612-19 condition 3.d.10. Contractor was suggested



to provide additional acoustic mat/ noise barrier between noise sources and NSRs to prevent noise nuisance.

**Table 2.6 Summary of Night Time Noise Impact Monitoring Results (1900-2300)**

Monitoring Station	Leq (5min) Range ,dB(A) in Reporting Period							Baseline Level, dB(A)	Leq (5min) Limit Level, dB(A)
	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19		
NMS 1	-	-	-	-	-	-	60.7-63.4	64.4	70
NMS 4	-	-	-	-	-	-	63.2-66.0	66.4	70
NMS 7	-	-	-	-	-	-	60.5-64.6	63.2	70
NMS 8	N.A	60.1-69.4	-	-	-	-	61.1-64.7	67.5	70
NMS 9	58.2-62.8	59.0-66.0	-	-	-	-	60.6-66.9	57.8	70
NMS 13	-	-	-	57.6-62.1	65.3-68.6	-	-	59.8	70
NME 14	-	-	-	-	-	-	58.7-61.7	57.8	70
NMS 15	-	-	-	61.4-66.1	59.4-64.2	-	-	62.0	70
NMS 16	-	-	-	64.9-68.8	-	50.5-55.0	-	63.3	70
NMS 18	-	-	-	58.7-63.8	60.7-64.4	56.3-65.6	62.1-65.9	64.2	70
NMS 19	-	-	-	64.6-67.1	-	-	65.7-70.0	65.3	70
NMS 20	-	-	-	-	-	-	56.5-66.5	59.2	70
NMS 24	59.0-61.8	60.3-67.7	-	-	-	-	-	61.8	70
NMS 25A	60.8-67.8	60.8-67.5	-	-	-	-	61.5-67.1	62.6	70
NMS 26	-	-	-	67.1-69.4	59.1-63.6	60.1-65.9	66.1-70.6	64.7	70

Note: L<sub>eq</sub> (5min) was measured at night-time (1900-2300) at NMS 8, 9, 24 & 25A.

NA-No night time noise impact monitoring at NMS 8 was conducted in January 2019 as the station was not in proximity of the tree felling area.

**Table 2.7 Summary of Night Time Noise Impact Monitoring Results (2300-0700)**

Monitoring Station	Leq (30min) Range ,dB(A) in Reporting Period												Baseline Level, dB(A)	Leq (5min) Limit Level, dB(A)
	Dec 18 <sup>1</sup>	Jan 19 <sup>1</sup>	Feb 19 <sup>1</sup>	Mar 19 <sup>1</sup>	Apr 19 <sup>1</sup>	May 19 <sup>1</sup>	Jun 19 <sup>1</sup>	Jul 19 <sup>1</sup>	Aug 19 <sup>2</sup>	Sep 19 <sup>2</sup>	Oct 19 <sup>2</sup>	Nov 19 <sup>2</sup>		
NMS 1	-	-	-	-	-	-	-	52.6-66.6	57.9-60.2	58.0-60.5	57.3-60.2	58.2-60.7	61.4	55
NMS 2	-	-	-	-	-	-	-	-	48.4-54.7	44.5-50.4	43.6-46.1	44.2-46.9	49.7	55
NMS 3	-	-	-	-	-	-	-	-	62.2-65.7	62.7-66.0	60.6-62.7	62.0-64.2	70.9	55
NMS 4	-	-	-	-	-	-	-	61.9-63.5 <sup>[3]</sup>	51.2-58.3	55.9-66.7 <sup>[3]</sup>	52.4-57.5	53.5-54.6	62.6	55
NMS 5A	-	-	-	-	-	-	-	-	61.8-67.6	67.0-69.7 <sup>[3]</sup>	67.6-71.9 <sup>[3]</sup>	67.6-70.9 <sup>[3]</sup>	67.9	55
NMS 6A	-	-	-	-	-	-	-	-	64.4-69.0	67.0-70.1	70.3-71.0	68.2-69.9	71.5	55
NMS 7	-	-	-	-	-	-	-	54.2-65.7 <sup>[3]</sup>	52.3-58.9	54.2-55.9	53.5-58.1	53.4-57.1	59.0	55
NMS 8	-	N.A	56.0-63.7	-	-	-	-	57.7-61.2	57.3-61.8	55.2-62.2	57.2-61.0	55.2-62.0	64.4	55
NMS 9	-	50.0-61.8 <sup>[3]</sup>	51.8-60.8 <sup>[3]</sup>	-	-	-	-	55.2-66.1 <sup>[3]</sup>	55.3-57.6 <sup>[3]</sup>	55.6-56.5 <sup>[3]</sup>	56.1-58.0 <sup>[3]</sup>	55.6-57.1 <sup>[3]</sup>	53.5	55
NMS 11	-	-	-	-	-	-	-	-	49.1-56.1 <sup>[3]</sup>	52.2-53.9	47.8-53.1	47.9-49.9	53.2	55
NMS 13	-	-	-	-	-	60.5-66.0 <sup>[3]</sup>	-	-	53.6-58.8 <sup>[3]</sup>	57.1-57.7 <sup>[3]</sup>	55.8-57.6 <sup>[3]</sup>	55.6-57.1	57.3	55
NMS 14	-	-	-	-	-	-	-	51.9-59.9 <sup>[3]</sup>	54.9-59.4 <sup>[3]</sup>	53.8-56.1 <sup>[3]</sup>	53.1-55.9 <sup>[3]</sup>	51.4-53.8 <sup>[3]</sup>	54.1	55
NMS 15	-	-	-	-	-	53.1-61.4	-	-	56.2-59.7 <sup>[3]</sup>	55.9-57.4	53.3-56.4	53.2-55.5	58.8	55
NMS 16	-	-	-	-	-	-	45.2-46.9	-	56.2-58.3	54.1-57.9	53.8-56.5	54.5-58.3	60.1	55
NMS 18	-	-	-	-	-	59.1-62.4	51.2-54.9	59.1-75.6 <sup>[3]</sup>	56.6-60.4	57.0-59.1	52.7-58.7	50.1-58.4	63.2	55
NMS 19	-	-	-	-	-	-	-	58.9-70.1 <sup>[3]</sup>	58.8-61.5	53.3-59.7	53.8-59.2	53.8-60.2	61.7	55
NMS 20	-	-	-	-	-	-	-	51.9-66.3 <sup>[3]</sup>	52.0-58.4 <sup>[3]</sup>	53.4-54.4	50.9-55.5	50.9-54.5	57.7	55
NMS 23	-	-	-	-	-	-	-	-	50.0-70.3 <sup>[3]</sup>	49.8-53.6	49.9-55.8	50.9-58.1	59.9	55
NMS 24	-	53.5-61.0 <sup>[3]</sup>	52.1-60.9 <sup>[3]</sup>	-	-	-	-	-	55.2-59.4 <sup>[3]</sup>	58.2-59.1 <sup>[3]</sup>	56.4-58.5 <sup>[3]</sup>	56.4-57.8	58.0	55

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NMS 25A	-	44.1- 67.4 <sup>[3]</sup>	44.4- 63.7	-	-	-	-	59.5- 61.8 <sup>[3]</sup>	51.3- 63.6 <sup>[3]</sup>	48.2- 59.5	46.9- 59.1	46.9- 54.3	59.7	55
NMS 26	-	-	-	-	-	54.5- 61.4	57.1- 61.7	60.5- 76.9 <sup>[3]</sup>	58.0- 67.4 <sup>[3]</sup>	58.6- 61.0	58.8- 63.2 <sup>[3]</sup>	59.0- 65.9 <sup>[3]</sup>	61.2	55

- Note:
1.  $L_{eq(5min)}$  was measured at night-time (2300-0700).
  2.  $L_{eq(15min)}$  was measured at night-time (2300-0700).
  3. When the Average Measured Noise Level is greater than Limit Level, Average Construction Noise Level (CNL) will be applied.
- Calculated CNL = Measured Noise Level during operation-Baseline

2.3.5 No raining and wind with speed over 5 m/s was observed during noise monitoring according to the onsite observation.

2.3.6 During the reporting period, major dust sources including trial pits excavation and bore piling were observed in the site. Other factors such as road traffic along Tai Po Road may affect the monitoring results. Major noise sources including road traffic along Tai Po Road was observed which may affect the monitoring results.



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### 3. LANDSCAPE AND VISUAL

#### 3.1 Results and Observations

- 3.1.1 Site audits were carried out to monitor and audit the implementation of landscape and visual mitigation measures.
- 3.1.2 No non-compliance was recorded in the weekly Site audits in the reporting period.
- 3.1.3 Observations and recommendations during site audits are summarized in **Table 5.1**.



## 4. WASTE MANAGEMENT

### 4.1 Results and Observations

- 4.1.1 C&D materials and wastes sorting were carried out on site. Receptacles were available for C&D wastes and general refuse collection.
- 4.1.2 The amount of wastes generated by the site activities in the reporting period is shown in **Appendix E**.
- 4.1.3 The Contractor is advised to properly maintain on site C&D materials and wastes collection, sorting and recycling system and maximize reuse / recycle of C&D materials and wastes. The Contractor is reminded to properly maintain the site tidiness and dispose of the wastes accumulated on site regularly and properly.
- 4.1.4 The Contractor is reminded that chemical waste containers should be properly treated and stored temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.



**5. SITE INSPECTION**

**5.1 Site Inspection**

5.1.1 Site inspections were carried out weekly to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. A summary of the mitigation measures implementation schedule is provided in **Appendix G**.

5.1.2 In the reporting year, 54<sup>[1]</sup> site inspections were carried out. 12 of them were the joint inspections with the IEC, ER, the Contractor and the ET.

Note: [1] 1 site walk on 30 Nov 2018 was included.

5.1.3 All the follow-up actions requested by ET and IEC during the site inspections were completed and reported by the Contractor. All the rectifications during the reporting period were fulfilled with the requirement of Proposal of Site Inspection, Deficiency and Remedial Action. No outstanding issues were reported during the reporting period.

5.1.4 Details of observations recorded during the site inspections are presented in **Table 5.1**.

**Table 5.1 Observations and Recommendations of Site Audit**

Parameters	Date	Observations and Recommendations	Follow-up
Air Quality	25 Jul 19	Observation: 1. Excavated materials should be covered with impervious sheeting (Zone 2)	1. Excavated materials were covered by impervious sheeting (Zone 2) on 29/7/2019.
	22 Aug 19	Reminder: 1. Keep the ground surface wet by spraying water frequently in Zone 4 (N04).	N.A
	25 Sep 19	Reminder: 1. Cover the sandbags properly by impervious sheeting (Zone 2).	N.A
	10 Oct 19	Observation: 1. Cover the stockpile to prevent dust (Works Area B).	1. (Work Area B) Cover had been provided for dusty stockpile on 12/10/2019.
	14 Nov 19	Reminder: 1. Regular water spraying of site	1. The frequency of water spraying was increased.
	27 Nov 19	Observation: 1. Increase frequency of water spraying	1. The frequency of water spraying was increased.
Noise	29 May 19	Reminder: 1. Close the generator doors properly in Zone 3.	N.A
Water Quality	27 Feb 19	Reminder: 1. More sandbags shall be placed at the exit of Zone 5. 2. Sandbags shall be placed at drain exit under NF66. 3. Sandbags shall be placed near trial pit near Wo Che Estate.	N.A
	8 Mar 19	Observation: 1. Sandbags shall be placed near trial pit in Zone 3. 2. Excavated materials in Zone 3 shall be covered with tarpaulin. 3. Water trapped by sandbags near railway in Zone 5 shall be treated and cleared. Reminder: 1. Sandbags shall be placed in North Bound near railway in Zone 5. 2. Before backfilling, trial pit shall be covered with tarpaulin in Zone 5.	1. Sandbags were placed near trial pit in Zone 3 on 11/3/2019. 2. Excavated materials were covered in Zone 3 on 11/3/2019. 3. Stagnant water was removed on 11/3/2019.
	15 Mar 19	Observation: 1. Leaves and waste accumulated inside the u-channel shall be cleared more frequently. 2. Sandbags shall be extended near trial pit at NF 66 in Zone 4.	1. Leaves and waste accumulated inside the U-channel were cleared on 21/3/2019. 2. Sandbags were extended near trial pit at NF66 in Zone 3.
	19 Mar 19	Reminder: 1. Sandbags shall be placed at the trench exit in Zone 3.	N.A
	27 Mar 19	Observation: 1. Unpaved road boundary shall be placed with sandbags in Zone 3. Reminder:	1. Sandbags were provided to prevent surface runoff from flowing to public area.

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Parameters	Date	Observations and Recommendations	Follow-up
		1. Trench gradient shall be improved to increase the water removal efficiency in Zone 3. 2. Water trapped in the tarpaulin cover shall be removed more frequently.	
	4 Apr 19	Observation: 1. Leaves and waste materials in temporary u-drain in Zone 3 shall be removed.	1. Leaves and waste were removed from the temporary drainage on 4/4/2019.
	11 Apr 19	Observation: 1. Clear leaves and waste at the drainage channel near paved area (entrance/ exit) in Zone 3.	1. Leaves and waste at discharge point was cleared on 12/4/2019.
	18 Apr 19	Reminder: 1. Sandbags shall be placed near road side in Zone 5 opposite to Wo Che Estate. 2. Trial pits shall be covered before holiday.	N.A
	24 Apr 19	Observation: 1. Sandbags / additional cover shall be provided for the trenches in Zone 3	1. Sandbags were provided for the trenches on 30/4/2019.
	2 May 19	Reminder: 1. Bunding shall be provided to prevent waste oil from other site entering site area (Area B).	N.A
	9 May 19	Observation: 1. Cover the trial pits in Zone 2 properly. 2. Trapped water on the tarpaulin cover shall be removed in Zone 2 and 3.	1. Trial pits were covered properly on 9/5/2019. 2. Trapped water on the tarpaulin cover was removed on 9/5/2019.
	23 May 19	Observation: 1. Clear leaves at the trench exit in Zone 3. 2. Clear silt and sand accumulation in the trench in Zone 3. 3. Clear stagnant water in the trench in Zone 3. 4. Cover trial pit by tarpaulin sheeting entirely in Zone 2.	1. Leaves at the trench exit were removed on 24/5/2019. 2. Silt and sand were cleared from the trench on 24/5/2019. 3. Stagnant water was cleared on 24/5/2019. 4. Trial pit was covered properly on 23/5/2019.
	29 May 19	Reminder: 1. Water in S05 tank was found turbid in Zone 3. 2. Clear the silt and sand in the trench in Zone 3.	N.A
	6 Jun 19	Reminder: 1. Frequently clear the leaves at the trench exit at S05 access.	N.A
	13 Jun 19	Observation: 1. Replace the damaged sandbags in Zone 3 (S06). 2. Clear leaves at the trench exit in Zone 3 (S05 & S06). 3. Clear sand and silt in U Channel in Zone 3 (S05). Reminder: 1. Enhance bunding near S06.	1. Damaged sandbags were replaced on 14/6/2019. 2. Leaves at the trench exit were removed on 17/6/2019. 3. Sediment was cleared on 16/6/2019.
	20 Jun 19	Observation: 1. Relocate the sandbags to prevent surface run-off from flowing outside the site boundary in Zone 3.	1. Sandbags were relocated to prevent surface run off outside site boundary on 24/6/2019.
	4 Jul 19	Observation: 1. Cover the pit by impervious sheeting in Zone 2.	1. The pit was covered by impervious sheeting on 6/7/2019.
	11 Jul 19	Reminder: 1. Enhance the efficiency of sedimentation tank in S06.	N.A
	25 Jul 19	Observation: 1. Excavated materials should be covered with impervious sheeting (Zone 2).	1. Excavated materials were covered by impervious sheeting (Zone 2) on 9/7/2019.
	31 Jul 19	Observation: 1. S06 sedimentation tank should be maintained in a functional condition.	1. (Zone 3) Sedimentation tank at S06 should be maintained in a functional condition on 3/8/2019.
	8 Aug 19	Reminder: 1. Enhance the bunding at Zone 5 exit (North Bound). 2. Remove the tree branches at Zone 5 (North Bound).	NA
	15 Aug 19	Observation: 1. Replace the damaged sandbags near S06 exit.	1. The broken sandbags were removed on 16/8/2019.
	28 Aug 19	Observation: 1. Increase the efficiency of sedimentation of the S05 sedimentation tank. Reminder: 1. Prevent the surface run-off from flowing into the storm drain (Zone 2).	1. The sedimentation tank at the exit 05 is maintained well on 29/8/2019.
	11 Sep 19	Reminder: 1. Increase the sedimentation efficiency of the sedimentation tank (N04).	N.A

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Parameters	Date	Observations and Recommendations	Follow-up
	19 Sep 19	Reminder: 1. Prevent surface run-off from flowing outside the site boundary (Zone 1).	N.A
	25 Sep 19	Reminder: 1. Cover the sandbags properly by impervious sheeting (Zone 2).	N.A
	3 Oct 19	Observation: 1. Prevent surface run-off from flowing outside the site boundary (Zone 4).	1. (Zone 4) Sandbags were provided to prevent surface runoff from flowing out of site on 3/10/2019.
	17 Oct 19	Observation: 1. Replace the broken sandbag (Zone 4).	1. (Zone 4) The broken sandbags were replaced on 18/10/2019.
	30 Oct 19	Reminder: 1. Reminder of adequate mitigation to avoid waste water into public drain.	N.A
	7 Nov 19	Observation: 1. Provide sandbag near site entrance	1. (Zone 3) Sandbags were placed to prevent wastewater leakage
	27 Nov 19	Observation: 1. Prevent the water discharge from Channel in N.03 2. Prevent the water discharge to outside site area in site boundary in N.03	1. (N.03) U-channel was blocked. 2. (N.03) As Discussed with contractor's frontline staff, a proposed u-channel will be constructed ASAP.
Chemical and Waste Management	30 Nov 18	Reminder: 1. Contractor was reminded to clear the waste materials frequently.	N.A
	18 Jan 19	Observation: 1. Waste accumulation was found at site storage area under Sha Tin Rural Committee Road adjacent to the site exit. Reminder: 1. Contractor was reminded to clear the waste at U-channel frequently.	1. The item was rectified by the Contractor on 22 Jan 19.
	21 Jan 19	Observation: 1. Waste accumulation was found at site storage area under Sha Tin Rural Committee Road in Zone 3. 2. Waste accumulation was found at NS37A in Zone 5.	1. The items were rectified by the Contractor on 24 Jan 19.
	30 Jan 19	Reminder: 1. Chemical waste shall be placed inside chemical waste tank. Also waste disposal record shall be kept for reference.	N.A
	15 Feb 19	Reminder: 1. Contractor was reminded to clear the used batteries in the U-Channel inside the site storage area frequently.	N.A
	27 Feb 19	Reminder: 1. Felled trees which stored in Zone 3 storage area shall be cleared.	N.A
	8 Mar 19	Reminder: 1. Labels shall be provided for the chemical waste stored in the chemical waste storage area in Zone 3.	N.A
	15 Mar 19	Observation: 1. Leaves and waste accumulated inside the u-channel shall be cleared more frequently.	1. Leaves and waste accumulated inside the U-channel were cleared on 21/3/2019.
	27 Mar 19	Observation: 1. Chemical materials in Zone 3 shall be placed on drip tray and stored in designated area. Reminder: 1. Felled trees in Zone 3 shall be removed.	1. Chemicals were removed on 2/4/2019.
	4 Apr 19	Observation: 1. Chemical shall be placed on drip tray and designated storage area. 2. Spill kit shall be provided for the chemical in Zone 3.	1. Chemicals were placed in designated storage area and spill kits were provided on 6/4/2019.
	11 Apr 19	Reminder: 1. Provide drip tray for chemicals or place them at storage. 2. Clean up of tree branches Stockpile.	N.A
	18 Apr 19	Observation: 1. Water trapped on tarpaulin cover shall be removed.	1. Stagnant water was cleared on 18/4/2019.
	24 Apr 19	Reminder: 1. Cans await recycling should not be stored in chemical waste cabinet.	N.A
	16 May 19	Reminder: 1. Tree branches should be removed in Zone 3. 2. Remove waste materials in Zone 3.	N.A

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Parameters	Date	Observations and Recommendations	Follow-up
	20 Jun 19	Observation: 1. Waste materials accumulated at the site exit should be sorted and cleared in Zone 3.	1. Wastes were removed on 21/6/2019.
	26 Jun 19	Reminder: 1. Centralize the waste collection zones to a particular area in Zone 3 as far as possible.	N.A
	11 Jul 19	Observation: 1. Place the chemicals in the drip tray (Zone 3).	1. All Chemicals were removed on 15/7/2019.
	18 Jul 19	Observation: 1. Drip tray should be provided for the chemical (S05). Reminder: 1. Remove the tree branches stored in Zone 3 (near S06).	1. Drip trap was provided (Zone 3) on 23/7/2019.
	31 Jul 19	Observation: 1. Clear other site materials in front of the chemical waste storage area. 2. Diesel in Zone 2 (near gate) should be placed in dangerous goods storage area.	1. (Zone 3) Clear the site materials in front of the chemical waste storage area. On 3/8/2019. 1. (Zone 2) Diesel was removed on 31/7/2019.
	22 Aug 19	Reminder: 1. Clear the waste materials in Zone 3 (RW 07).	N.A
	28 Aug 19	Reminder: 1. Waste Materials should be packed properly (Zone 2).	N.A
	27 Nov 19	Observation: 1. Prevent the water discharge from Channel in N.03 2. Prevent the water discharge to outside site area in site boundary in N.03	1. (N.03) U-channel was blocked. 2. (N.03) As Discussed with contractor's frontline staff, a proposed u-channel will be constructed ASAP.
	5 Sep 19	Observation: 1. Chemicals should be placed on drip tray. 2. Clear the materials placed in front of the chemical waste storage area (Zone 3).	1. (Zone 2) Chemical drum was removed on 6/9/2019. 2. (Zone 3) Materials were cleared in front of the chemical waste storage area on 6/9/2019.
	11 Sep 19	Observation: 1. Clear other site materials placed in front of the chemical waste storage area (Zone 3). 2. Frequently clear the waste materials (Zone 3).	1. (Zone 3) Bottles were cleared in front of the chemical waste storage area on 16/9/2019. 2. (Zone 3) Bottles were cleared on 16/9/2019.
	19 Sep 19	Observation: 1. Chemicals should be placed on drip tray (Zone 3).	1. (Zone 3) Chemicals were removed on 23/9/2019.
	30 Oct 19	Observation: 1. Remove stagnant water and oil in drip tray of power pack. Provide plug for drip tray (Zone 3).	1. (Zone 3) The power pack was off site on 30/10/2019.
	7 Nov 19	Observation: 1. Clear rubbish near entrance.	1. (Zone 4) The accumulated waste was removed.
Land Contamination	No deficiency was found during the reporting quarter.		
Landscape and Visual Impact	15 Feb 19	Reminder: 1. Contractor was reminded to clarify whether trees that no sign on the tree body in Zone 1 were required to be felled.	N.A
	22 Feb 19	Reminder: 1. Tree protection measure shall be provided under Zone 3 beside trial pit excavation.	N.A
	31 Jul 19	Reminder: 1. Provide sufficient protection space for the OVTs in Zone 3.	N.A
General Condition	7 Nov 19	Observation: 1. Remove invalid CNP at site entrance	1. (Zone 3) The expired CNP was removed.

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## 6. ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE

### 6.1 Environmental Exceedance

6.1.1 No project-related Action and Limit Level exceedance for 24-hr & 1-hr TSP and noise were recorded in the reporting period at all monitoring stations. Number of exceedance in the reporting period was summarized in **Table 6.1** and **6.2**.

**Table 6.1 Summary of Exceedance of Dust Monitoring in Reporting Period**

Monitoring Station		Number of exceedance in the reporting period												
		24-hr TSP												Total
		Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	
AMS 1	AL	-	0	-	0	0	-	-	-	-	-	-	-	0
	LL	-	0	-	0	0	-	-	-	-	-	-	-	0
AMS 2	AL	0	-	0	0	0	-	-	-	-	-	-	-	0
	LL	0	-	0	0	0	-	-	-	-	-	-	-	0
AMS 3A	AL	0	-	0	-	-	-	-	-	-	-	0	0	0
	LL	0	-	0	-	-	-	-	-	-	-	0	0	0
AMS 4A	AL	-	0	-	0	0	-	0	0	0	0	0	-	0
	LL	-	0	-	0	0	-	0	0	0	0	0	-	0
AMS 6	AL	-	-	-	0	0	0	-	0	0	0	0	0	0
	LL	-	-	-	0	0	0	-	0	0	0	0	0	0
AMS 7A	AL	0	-	-	-	-	0	0	0	0	0	0	0	0
	LL	0	-	-	-	-	0	0	0	0	0	0	0	0
AMS 8	AL	-	-	-	-	-	-	0	0	-	-	-	-	0
	LL	-	-	-	-	-	-	0	0	-	-	-	-	0
AMS 9	AL	0	-	-	-	-	-	-	-	-	-	-	-	0
	LL	0	-	-	-	-	-	-	-	-	-	-	-	0
AMS 12	AL	-	0	-	-	-	0	-	-	-	-	-	0	0
	LL	-	0	-	-	-	0	-	-	-	-	-	0	0
AMS 13	AL	-	-	0	-	-	-	0	-	-	-	-	-	0
	LL	-	-	0	-	-	-	0	-	-	-	-	-	0
AMS 14	AL	-	-	0	-	-	-	-	-	-	-	-	-	0
	LL	-	-	0	-	-	-	-	-	-	-	-	-	0
AMS 15	AL	-	0	-	-	-	0	-	0	0	0	0	-	0
	LL	-	0	-	-	-	0	-	0	0	0	0	-	0
Total	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Station		Number of exceedance in the reporting period												
		1-hr TSP												Total
		Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	
AMS 1	AL	-	0	-	0	0	-	-	-	-	-	-	0	0
	LL	-	0	-	0	0	-	-	-	-	-	-	0	0
AMS 2	AL	0	-	0	0	0	-	-	-	-	-	-	-	0
	LL	0	-	0	0	0	-	-	-	-	-	-	-	0
AMS 3A	AL	0	-	0	-	-	-	-	-	-	-	-	-	0
	LL	0	-	0	-	-	-	-	-	-	-	-	-	0
AMS 4A	AL	-	0	-	0	0	-	0	0	0	0	0	-	0
	LL	-	0	-	0	0	-	0	0	0	0	0	-	0
AMS 6	AL	-	-	-	0	0	0	-	0	0	0	0	0	0
	LL	-	-	-	0	0	0	-	0	0	0	0	0	0
AMS 7A	AL	0	-	-	-	-	0	0	0	0	0	0	0	0
	LL	0	-	-	-	-	0	0	0	0	0	0	0	0
AMS 8	AL	-	-	-	-	-	-	0	0	-	-	-	-	0
	LL	-	-	-	-	-	-	0	0	-	-	-	-	0
AMS 9	AL	0	-	-	-	-	-	-	-	-	-	-	-	0
	LL	0	-	-	-	-	-	-	-	-	-	-	-	0
AMS 12	AL	-	0	-	-	-	0	-	-	-	-	-	0	0
	LL	-	0	-	-	-	0	-	-	-	-	-	0	0
AMS 13	AL	-	-	0	-	-	-	0	-	-	-	-	-	0
	LL	-	-	0	-	-	-	0	-	-	-	-	-	0
AMS 14	AL	-	-	0	-	-	-	-	-	-	-	-	-	0
	LL	-	-	0	-	-	-	-	-	-	-	-	-	0
AMS 15	AL	-	0	-	-	-	0	-	0	0	0	0	-	0
	LL	-	0	-	-	-	0	-	0	0	0	0	-	0
Total	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0

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**Table 6.2 Summary of Exceedance of Daytime Noise Monitoring in Reporting Period**

Monitoring Station	Number of exceedance in the reporting period													Total
	Leq(30min) dB(A)													
	Dec 19	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19		
NMS 1	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 2	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 3	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 4	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 5A	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 6A	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 7	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 8	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 9	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 10	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 11	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 12	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 13	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 14	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 15	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 16	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 17	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 18	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 19	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 20	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 23	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 24	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 25A	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 26	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 27	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	AL	0	0	0	0	0	0	0	0	0	0	0	0	0
	LL	0	0	0	0	0	0	0	0	0	0	0	0	0





**Table 6.3 Summary of Exceedance of Night-time Noise Monitoring in Reporting Period**

Monitoring Station <sup>1</sup>	Number of exceedance in the reporting period												Total
	Leq <sub>(15min)</sub> dB(A)												
	Dec 19	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	
NMS 1	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 2	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 3	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 4	0	0	0	0	0	0	0	0	0	1	0	0	1
NMS 5A	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 6A	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 7	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 8	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 9	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 11	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 13	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 14	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 15	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 16	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 18	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 19	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 20	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 23	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 24	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 25A	0	0	0	0	0	0	0	0	0	0	0	0	0
NMS 26	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	1	0	0	1



### 6.2 Complaints, Notification of Summons and Prosecution

- 6.2.1 Total 8 complaint cases were received during the reporting period.
- 6.2.2 After ET's investigation, the complaint case on 13/02/19, 22/02/19, 30/08/19, 08/10/19, 9/10/2019 and 6/11/2019 should be related to the project construction activities. The complaint cases on 28/03/19 and 26/07/19 were not project related. The detail of the investigation of the complaint are presented in **Appendix F**.
- 6.2.3 No notification of summons or prosecution was received in the reporting period.
- 6.2.4 Cumulative complaint log, summaries of complaints, notification of summons and successful prosecutions are presented in **Appendix F**.

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## 7. IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

### 7.1 Implementation Status

- 7.1.1 The Contractor has implemented environmental mitigation measures and requirements as stated in the EIA Reports, the EP and the EM&A Manuals. The implementation status of the mitigation measures during the reporting period is summarized in **Appendix G**.



## 8. CONCLUSIONS

- 8.1.1 No Action and Limit Level exceedance for 24-hr & 1-hr TSP was recorded in the reporting period at all monitoring stations.
- 8.1.2 Day time construction noise monitoring was carried out in the reporting period, no Action / Limit Level exceedance was recorded during the period. For night time construction noise monitoring, 23 exceedance cases were recorded between 2300 and 0700 of the next day during the reporting period. After ET's further investigation, as the dominant noise should be the background traffic noise, the 22 noise exceedance cases were considered not project-related. Only 1 exceedance at NMS 4 on 27/09/2019 was project-related. Refer to ET site staff observation, the domain noise source should be construction noise. Two major construction works were carried out on 27/09 which are light poles installation and road paving. All flaps and panels of asphalt paver were closed. Engine exhaust silencer and minimum 50mm thick absorbing lining to the engine compartments had been provided for the asphalt paver, Contractor complied the CNP No.: GW-RN0612-19 condition 3.d.10. Therefore, contractor was suggested to provide additional acoustic mat/ noise barrier between noise sources and NSRs to prevent noise nuisance.
- 8.1.3 Total 8 complaint cases regarding noise nuisance were received during the reporting period.
- a. 2 complaint cases were received in Feb 2019. A complaint received on 13/02/2019 referred from EPD regarding noise from tree-felling works by using chain saw near Lek Yuen Estate Kwai Wo House on 1 am. Another complaint received on 22/02/2019 from project hotline of NE/2017/05 regarding the noise generated from the tree felling works during the mid-nights. After ET's investigation, the complaint cases were considered project-related.
  - b. 1 complaint case was received on 28/03/2019 referred from Contractor project hotline regarding noise nuisance at 03:35am. After ET's investigation, the complaint case should be related to MTR night time maintenance works with grinding noise.
  - c. 2 complaint cases regarding noise nuisance were received on 26/07/2019 and 30/8/2019 respectively. After ET's investigation, the complaint case on 26/07/2019 should be related to traffic noise but not the project-related construction activities. The complaint case on 30/8/2019 was considered project-related. It was regarding noise nuisance from breaking works at road side around midnight and the major night works of the main contractor on 28<sup>th</sup>-30<sup>th</sup> August 2019 between 11:00pm and 00:30am the next day was road breaking work at zone 2 (south bound) adjacent to Wai Wah Centre.
  - d. 3 complaint cases regarding noise nuisance were received on 08/10/2019, 09/10/2019 and 06/11/2019 respectively. After ET's investigation, the noise nuisances on 08/10 and 09/10 were considered to be project-related. For the case of noise nuisance near Wai Wah Centre, the contractor was permitted to carry out an emergency road repair works under an emergency excavation permit issued by the Highways Department; the work was not covered by the construction noise permit (CNP) issued by the EPD. Also, the complaint case of Wo Che Estate was the noise from a generator which would only be operated in daytime 07:00-17:00 but not in restricted hours and a CNP was not required. Lastly, the complaint case on 06/11 was considered to be project-related. For the case of noise nuisance near Wai Wah Centre, main contractor of the project conducted the emergency road repair works under an Emergency Excavation Permit (EXP) of Plan ID: EO13123 with an emergency code M834914 with period starting from 05/11 till 11/11, which had been issued by the Highways Department (HyD). The main contractor had informed the management offices of the nearby NSRs in advance.



- 8.1.4 54<sup>[1]</sup> weekly environmental site inspections were carried out in the reporting period. Recommendations on mitigation measures on air quality, noise quality, water quality, chemical and waste management, landscape and visual impact were given to the Contractor for remediating the deficiencies identified during the site inspections.

Note: [1] 1 site walk on 30 Nov 2018 was included.

- 8.1.5 Referring to the Contractor's information, no notification of summons and successful prosecution was received in the reporting period.

### ***Comment and Recommendations***

- 8.1.6 The recommended environmental mitigation measures, as proposed in the EIA reports and EM&A Manuals shall be effectively implemented to minimize the potential environmental impacts from the Project. The EM&A programme would effectively monitor the environmental impacts generated from the construction activities and ensure the proper implementation of mitigation measures.

- 8.1.7 According to the environmental audit performed in the reporting period, the following recommendations were made:

#### Air Quality Impact

- Keep the ground surface wet by spraying water frequently in Zone 4 (N04).
- Cover the sandbags properly by impervious sheeting (Zone 2).
- Regular water spraying of site.

#### Construction Noise Impact

- Close the generator doors properly in Zone 3.

#### Water Quality Impact

- Sandbags shall be placed in North Bound near railway in Zone 5.
- Before backfilling, trial pit shall be covered with tarpaulin in Zone 5.
- Sandbags shall be placed at the trench exit in Zone 3.
- Sandbags shall be placed near road side in Zone 5 opposite to Wo Che Estate.
- Trial pits shall be covered before holiday.
- Bunding shall be provided to prevent waste oil from other site entering site area (Area B).
- Treatment should be provided for the water in S05 tank (Zone 3) which was found turbid.
- Clear the silt and sand in the trench in Zone 3.
- Frequently clear the leaves at the trench exit at S05 access.
- Enhance bunding near S06.
- Enhance the efficiency of the sedimentation tank in S06.
- Enhance the bunding at Zone 5 exit (North Bound).
- Prevent the surface run-off from flowing into the storm drain (Zone 2).
- Increase the sedimentation efficiency of the sedimentation tank (N04).
- Prevent surface run-off from flowing outside the site boundary (Zone 1).
- Cover the sandbags properly by impervious sheeting (Zone 2).
- Reminder of adequate mitigation to avoid waste water into public drain.

#### Chemical and Waste Management

- Contractor was reminded to clear the waste materials at site storage area under Sha Tin Rural Committee Road adjacent to the site exit.
- Contractor was reminded to clear the waste materials at site storage area under Sha Tin Rural Committee Road in Zone 3.
- Contractor was reminded to clear the waste materials at NS37A in Zone 5.



- Labels shall be provided for the chemical waste stored in the chemical waste storage area in Zone 3.
- Felled trees in Zone 3 shall be removed.
- Provide drip tray for chemicals or place them at storage.
- Clean up of tree branches stockpile.
- Cans await recycling should not be stored in chemical waste cabinet.
- Tree branches should be removed in Zone 3.
- Remove waste materials in Zone 3.
- Centralize the waste collection zones to a particular area in Zone 3 as far as possible.
- Remove the tree branches stored in Zone 3(near S06).
- Remove the tree branches at Zone 5(North Bound).
- Clear the waste materials in Zone 3 (RW07).
- Waste materials should be packed properly (Zone 2).
- Clear the waste materials in Zone 3 (RW 07).
- Waste Materials should be packed properly (Zone 2).

### Land Contamination

- No specific observation was identified in the reporting period.

### Landscape and Visual Impact

- Provide sufficient protection space for the OVTS in Zone 3.
- Provide sufficient protection space for the OVTs in Zone 3.

### General Condition

- No specific observation was identified in the reporting period.

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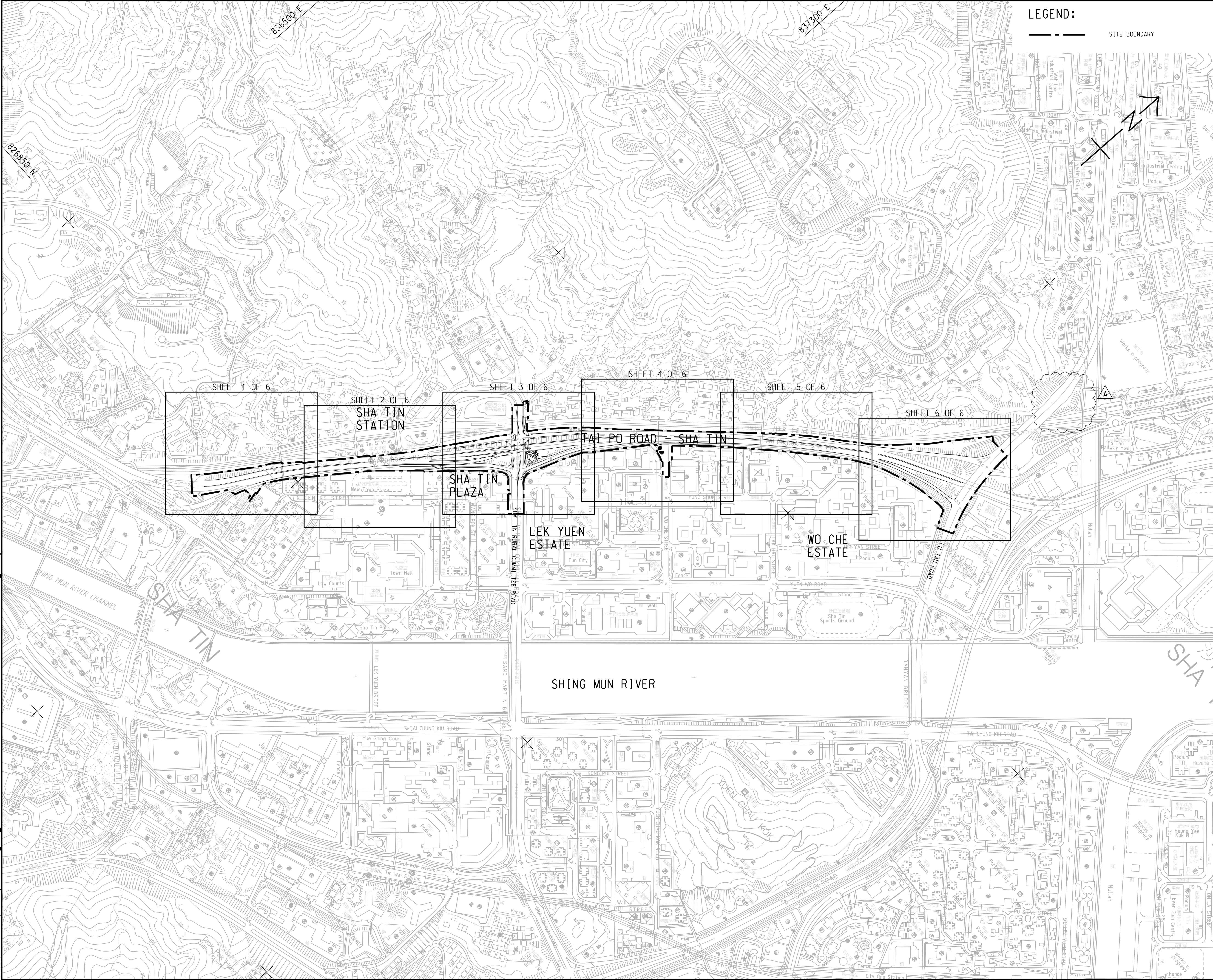


## Figure 1

### Project General Layout



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 Project Management Initials: Designer: FMS Checked: BCC Approved: CWN  
 ISO A1 594mm x 841mm



**LEGEND:**  
 --- SITE BOUNDARY

**AECOM**

**PROJECT**  
 ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)

**CLIENT**  
 土木工程拓展署  
**CEDD** Civil Engineering and Development Department

**CONSULTANT**  
 工程顧問公司  
 AECOM Asia Company Ltd.  
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**SUB-CONSULTANTS**  
 分列工程顧問公司

**ISSUE/REVISION**

I/R	DATE	DESCRIPTION	CHK.
A	FEB. 18	TENDER ADDENDUM NO.2	BBC
-	JAN. 18	TENDER DRAWING	BCC

**STATUS**  
 階段

**SCALE**  
 比例  
 A1 1:4000

**DIMENSION UNIT**  
 尺寸單位  
 METRES

**KEY PLAN**  
 索引圖  
**FIGURE 1.1a**

**CONTRACT NO.**  
 合約編號  
 NE/2017/05

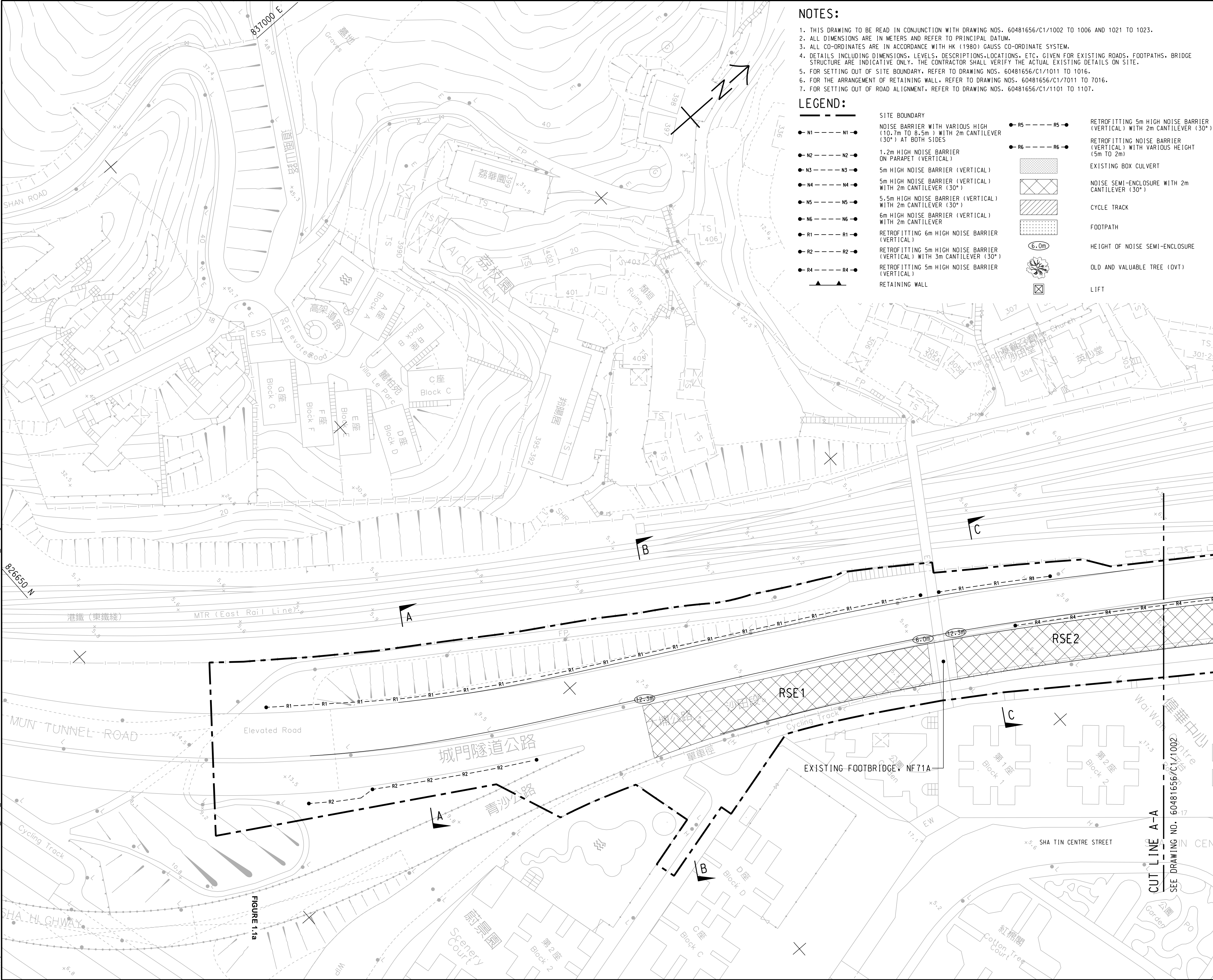
**SHEET TITLE**  
 圖紙名稱  
**KEY PLAN**  
**FIGURE 1.1a**

**SHEET NUMBER**  
 圖紙編號  
 60481656/C1/1000A

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Project Management Initials:   
 Designer: FMSC   
 Checked: BCC   
 Approved: CWN   
 ISO A1 594mm x 841mm   
 16/12/2018   
 PATH: P:\WORKSHOPS\AECOM\DS02\_AS\Documents\60481656\_WTP-STP\CAD PRODUCTION\DRAWING\CONTRACT\11000\CI\_1001.dgn



**NOTES:**

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60481656/C1/1002 TO 1006 AND 1021 TO 1023.
2. ALL DIMENSIONS ARE IN METERS AND REFER TO PRINCIPAL DATUM.
3. ALL CO-ORDINATES ARE IN ACCORDANCE WITH HK (1980) GAUSS CO-ORDINATE SYSTEM.
4. DETAILS INCLUDING DIMENSIONS, LEVELS, DESCRIPTIONS, LOCATIONS, ETC. GIVEN FOR EXISTING ROADS, FOOTPATHS, BRIDGE STRUCTURE ARE INDICATIVE ONLY. THE CONTRACTOR SHALL VERIFY THE ACTUAL EXISTING DETAILS ON SITE.
5. FOR SETTING OUT OF SITE BOUNDARY, REFER TO DRAWING NOS. 60481656/C1/1011 TO 1016.
6. FOR THE ARRANGEMENT OF RETAINING WALL, REFER TO DRAWING NOS. 60481656/C1/7011 TO 7016.
7. FOR SETTING OUT OF ROAD ALIGNMENT, REFER TO DRAWING NOS. 60481656/C1/1101 TO 1107.

**LEGEND:**

<ul style="list-style-type: none"> <li>● N1 --- N1 ●</li> <li>● N2 --- N2 ●</li> <li>● N3 --- N3 ●</li> <li>● N4 --- N4 ●</li> <li>● N5 --- N5 ●</li> <li>● N6 --- N6 ●</li> <li>● R1 --- R1 ●</li> <li>● R2 --- R2 ●</li> <li>● R4 --- R4 ●</li> </ul>	<ul style="list-style-type: none"> <li>SITE BOUNDARY</li> <li>NOISE BARRIER WITH VARIOUS HIGH (10.7m TO 8.5m) WITH 2m CANTILEVER (30°) AT BOTH SIDES</li> <li>1.2m HIGH NOISE BARRIER ON PARAPET (VERTICAL)</li> <li>5m HIGH NOISE BARRIER (VERTICAL)</li> <li>5m HIGH NOISE BARRIER (VERTICAL) WITH 2m CANTILEVER (30°)</li> <li>5.5m HIGH NOISE BARRIER (VERTICAL) WITH 2m CANTILEVER (30°)</li> <li>6m HIGH NOISE BARRIER (VERTICAL) WITH 2m CANTILEVER</li> <li>RETROFITTING 6m HIGH NOISE BARRIER (VERTICAL)</li> <li>RETROFITTING 5m HIGH NOISE BARRIER (VERTICAL) WITH 3m CANTILEVER (30°)</li> <li>RETROFITTING 5m HIGH NOISE BARRIER (VERTICAL)</li> <li>RETAINING WALL</li> </ul>	<ul style="list-style-type: none"> <li>● R5 --- R5 ●</li> <li>● R6 --- R6 ●</li> <li></li> <li></li> <li></li> <li>6.0m</li> <li></li> <li></li> </ul>	<ul style="list-style-type: none"> <li>RETROFITTING 5m HIGH NOISE BARRIER (VERTICAL) WITH 2m CANTILEVER (30°)</li> <li>RETROFITTING NOISE BARRIER HEIGHT (VERTICAL) WITH VARIOUS HEIGHT (5m TO 2m)</li> <li>EXISTING BOX CULVERT</li> <li>NOISE SEMI-ENCLOSURE WITH 2m CANTILEVER (30°)</li> <li>CYCLE TRACK</li> <li>FOOTPATH</li> <li>HEIGHT OF NOISE SEMI-ENCLOSURE</li> <li>OLD AND VALUABLE TREE (OVT)</li> <li>LIFT</li> </ul>
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**PROJECT**  
項目

**ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

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**ISSUE/REVISION**  
修訂

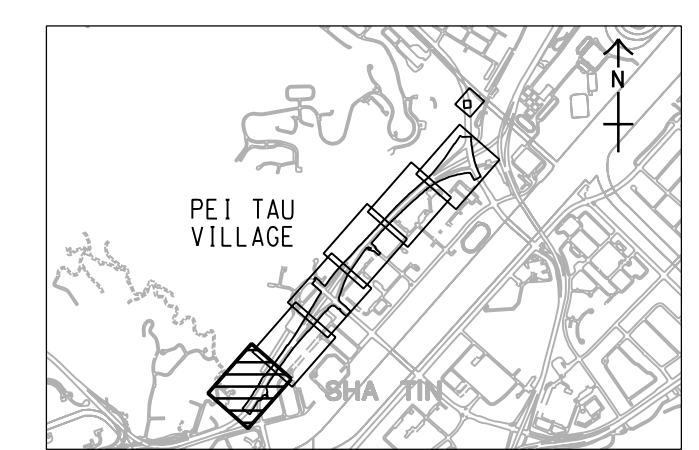
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-	JAN. 18	TENDER DRAWING	BCC

**STATUS**  
階段

**SCALE**  
比例  
A1 1:500

**DIMENSION UNIT**  
尺寸單位  
METRES

**KEY PLAN** A1 1:40000  
索引圖



**CONTRACT NO.**  
合約編號  
60481656 NE/2017/05

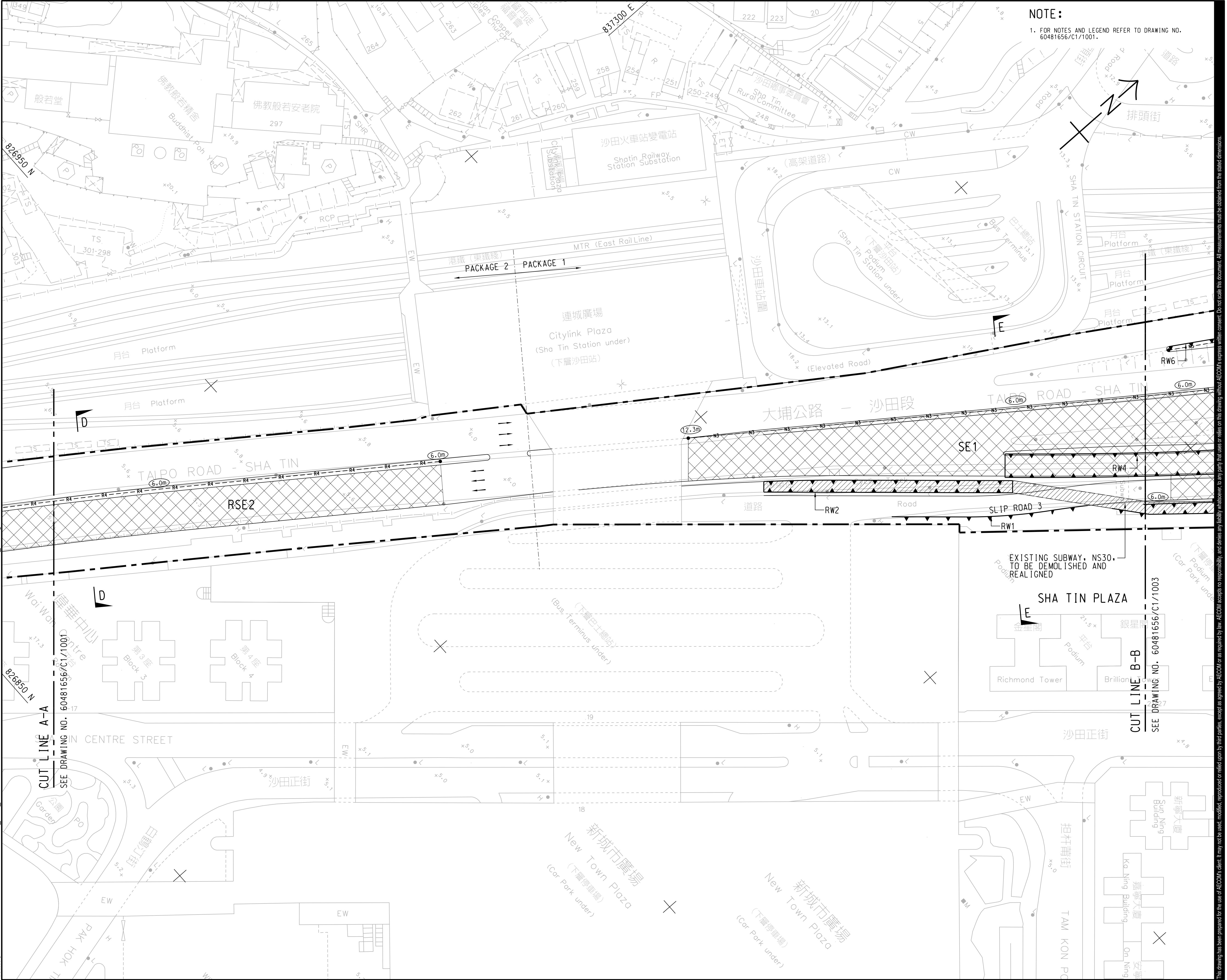
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圖紙名稱  
GENERAL LAYOUT PLAN  
FIGURE 1.1 b

**SHEET NUMBER**  
圖紙編號  
60481656/C1/1001

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 ISO A1 594mm x 841mm



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**PROJECT**  
 項目

**ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

**CLIENT**  
 業主



**CONSULTANT**  
 工程顧問公司

AECOM Asia Company Ltd.  
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 分判工程顧問公司

**ISSUE/REVISION**

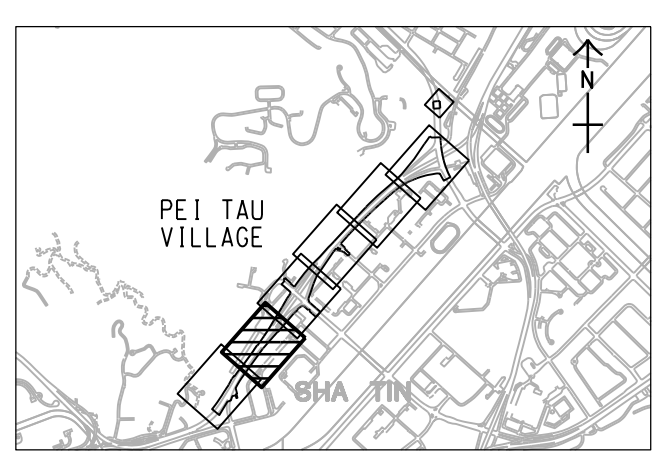
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**STATUS**  
 階段

**SCALE**  
 比例: A1 1:500

**DIMENSION UNIT**  
 尺寸單位: METRES

**KEY PLAN** A1 1:40000



**CONTRACT NO.**  
 合約編號: NE/2017/05

**SHEET TITLE**  
 圖紙名稱: GENERAL LAYOUT PLAN

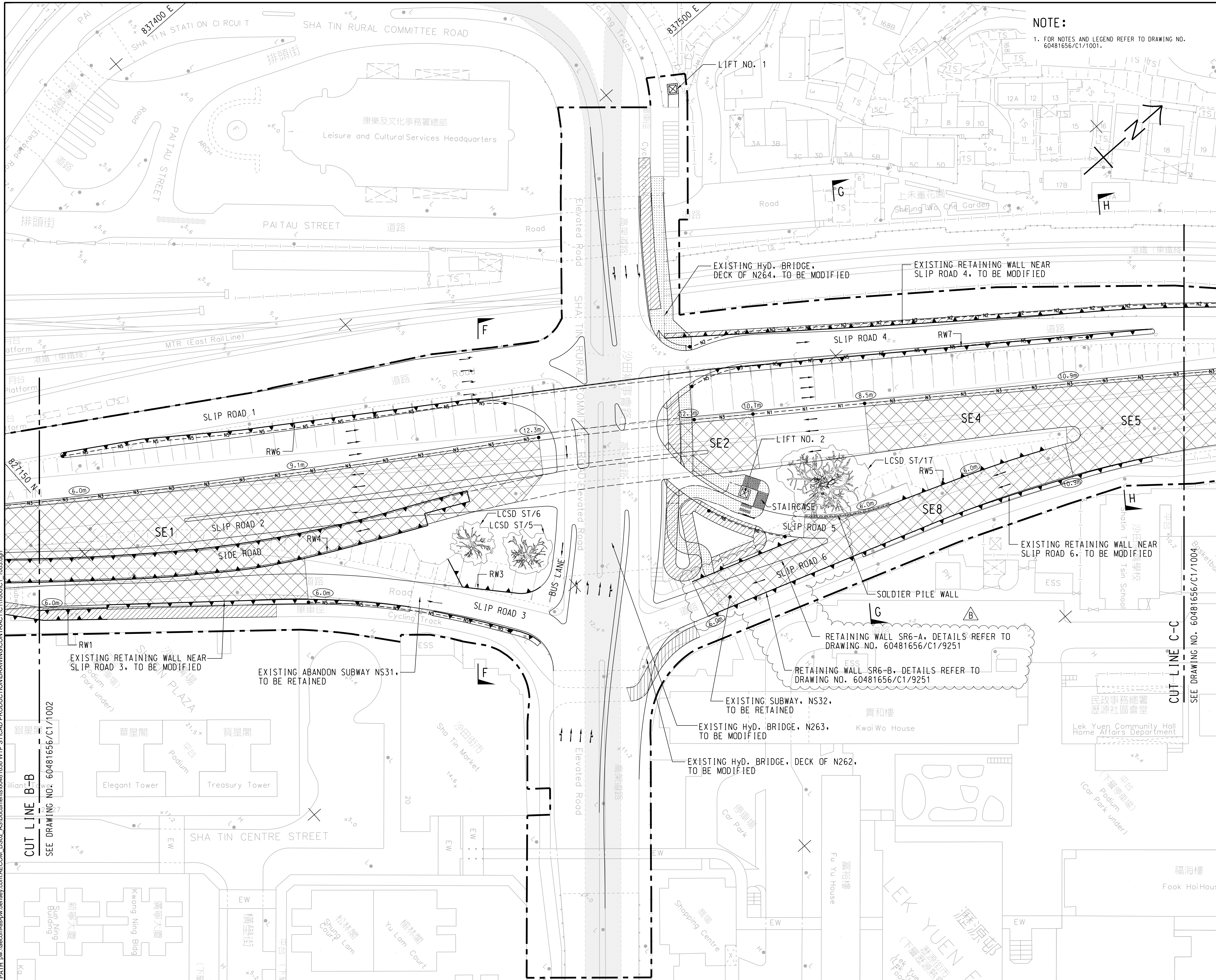
**FIGURE 1.1b**

**SHEET NUMBER**  
 圖紙編號: 60481656/C1/1002

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 Project Management Initials: Designer: FMSJ Checked: BCC Approved: CWN  
 ISO A1 594mm x 841mm



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**PROJECT**  
 項目  
**ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

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 Civil Engineering and Development Department

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 工程顧問公司  
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**ISSUE/REVISION**  
 修訂

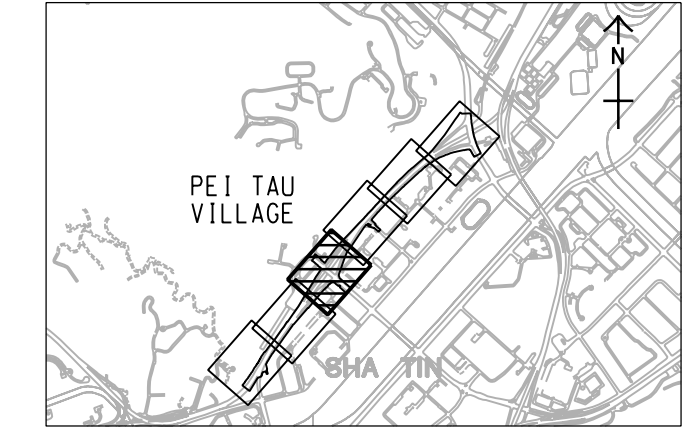
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-	JAN. 18	TENDER DRAWING	BCC

**STATUS**  
 階段

**SCALE**  
 比例  
 A1 1:500

**DIMENSION UNIT**  
 尺寸單位  
 METRES

**KEY PLAN** A1 1:40000  
 索引圖



**CONTRACT NO.**  
 合約編號  
 NE/2017/05

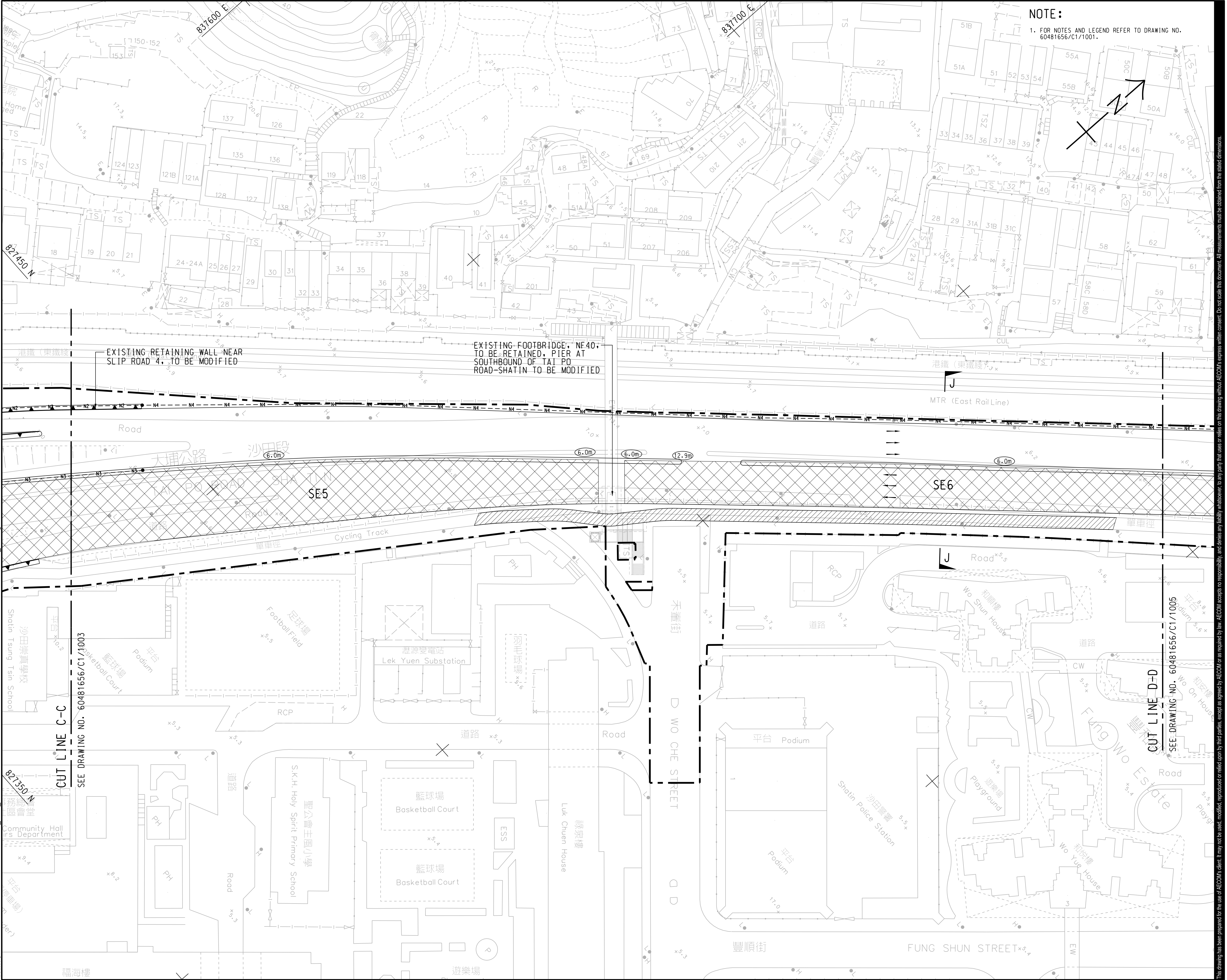
**SHEET TITLE**  
 圖紙名稱  
**GENERAL LAYOUT PLAN**  
**FIGURE 1.1 b**

**SHEET NUMBER**  
 圖紙編號  
 60481656/C1/1003B

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 ISO A1 594mm x 841mm



NOTE:  
1. FOR NOTES AND LEGEND REFER TO DRAWING NO. 60481656/C1/1001.



PROJECT  
項目

**ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

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業主



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ISSUE/REVISION

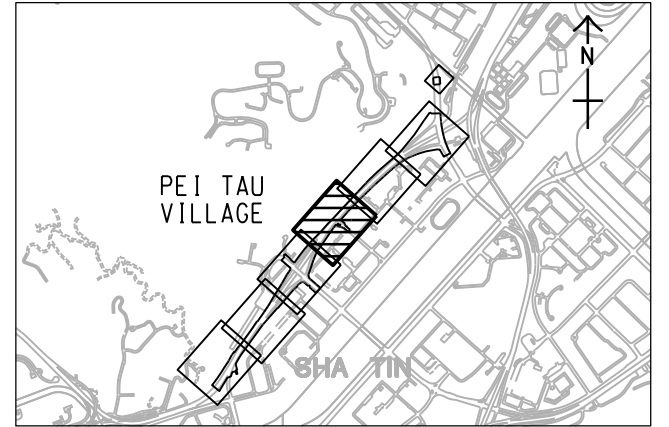
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-	JAN. 18	TENDER DRAWING	BCC

STATUS  
階段

SCALE DIMENSION UNIT

A1 1:500 METRES

KEY PLAN A1 1:40000



CONTRACT NO.  
合約編號

NE/2017/05

SHEET TITLE  
圖紙名稱

GENERAL LAYOUT PLAN

FIGURE 1.1b

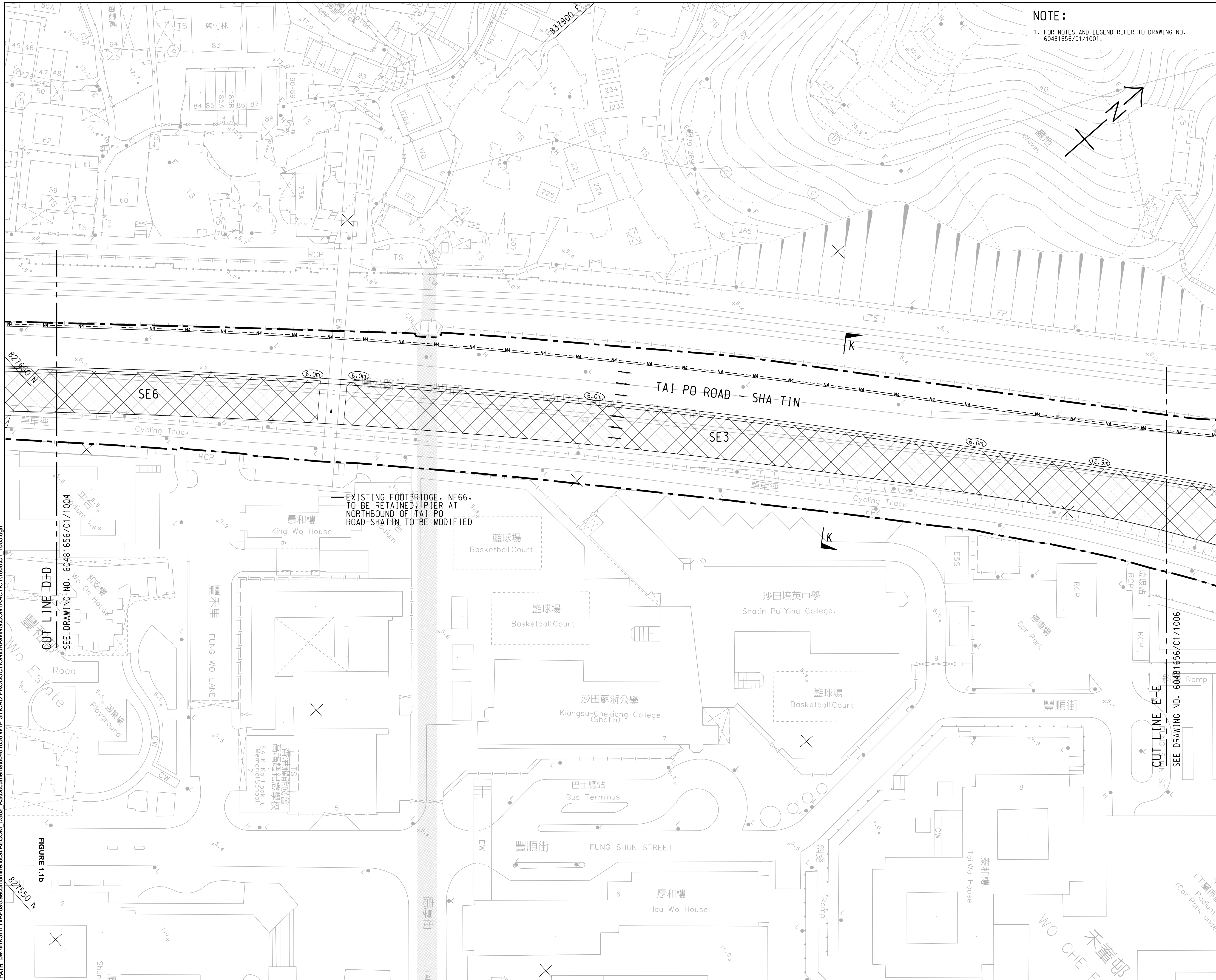
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16/12/2018  
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**PROJECT**  
 項目  
**ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

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 土木工程拓展署  
 Civil Engineering and Development Department

**CONSULTANT**  
 工程顧問公司  
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 分判工程顧問公司

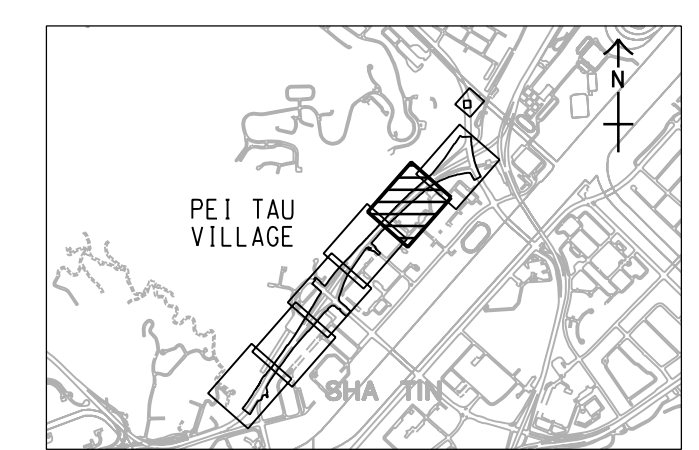
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REV	DATE	DESCRIPTION	CHK.
-	JAN. 18	TENDER DRAWING	BCC
I/R	DATE	DESCRIPTION	CHK.
修改	日期	內容摘要	核核

**STATUS**  
 階段

**SCALE**  
 比例  
 A1 1 : 500

**DIMENSION UNIT**  
 尺寸單位  
 METRES



**CONTRACT NO.**  
 合約編號  
 NE/2017/05

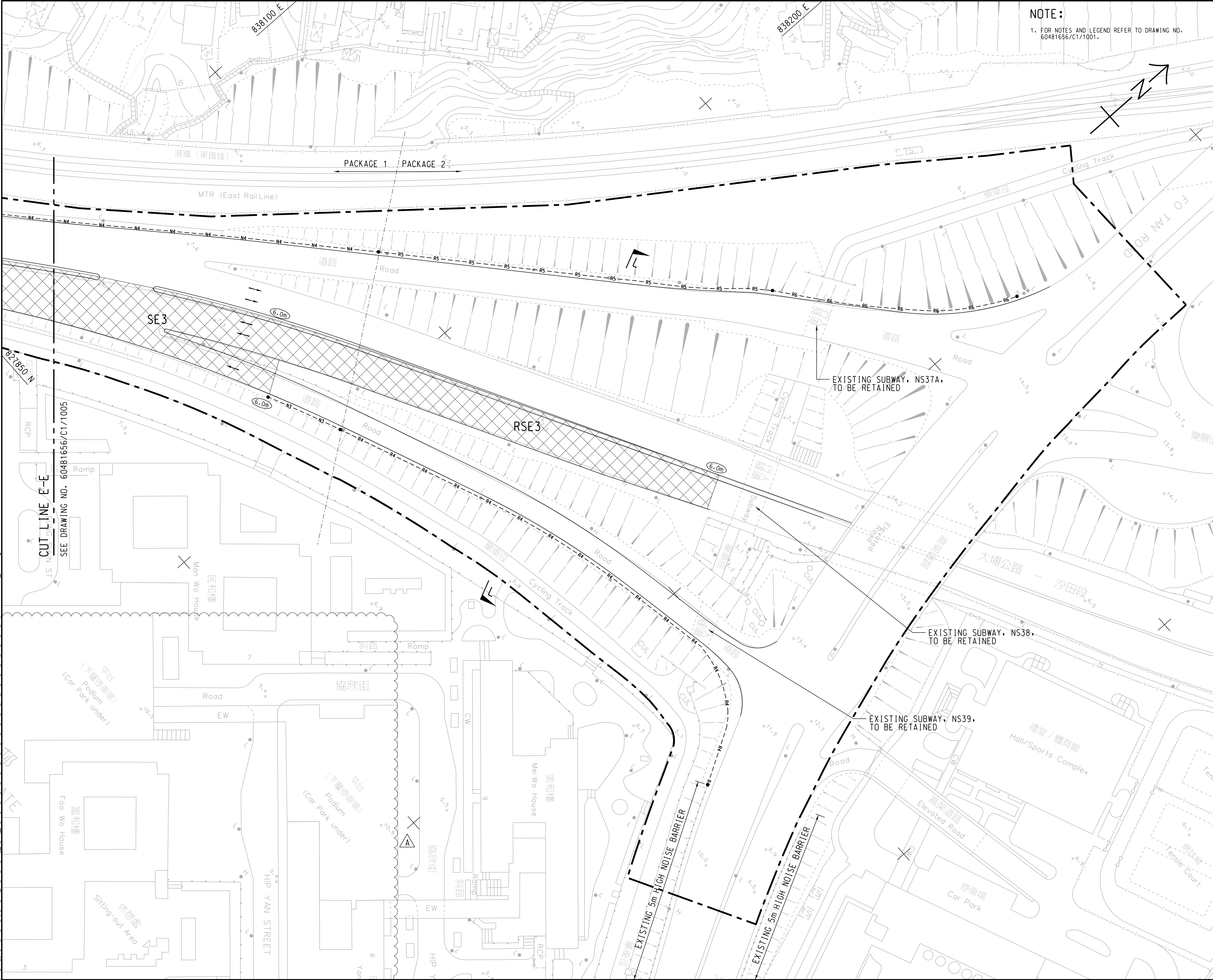
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 GENERAL LAYOUT PLAN  
 FIGURE 1.1b

**SHEET NUMBER**  
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 60481656/C1/1005

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**NOTE:**  
 1. FOR NOTES AND LEGEND REFER TO DRAWING NO. 60481656/C1/1001.



**PROJECT**  
 項目  
**ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

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**ISSUE/REVISION**  
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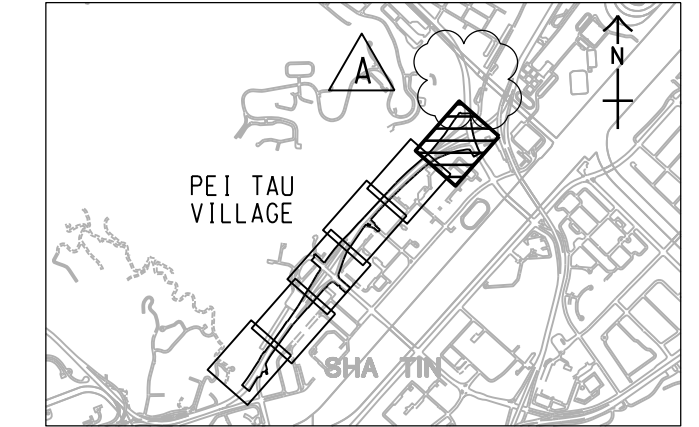
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**STATUS**  
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**SCALE**  
 比例  
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**DIMENSION UNIT**  
 尺寸單位  
 METRES

**KEY PLAN** A1 1 : 40000  
 索引圖



**CONTRACT NO.**  
 合約編號  
 NE/2017/05

**SHEET TITLE**  
 圖紙名稱  
**GENERAL LAYOUT PLAN**  
**FIGURE 1.1b**

**SHEET NUMBER**  
 圖紙編號  
 60481656/C1/1006A

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Hong Kong.

Tel : +852 2450 8233  
Fax : +852 2450 6138  
E-mail : matlab@fugro.com  
Website : www.fugro.com



## Figure 2a Air Monitoring Locations



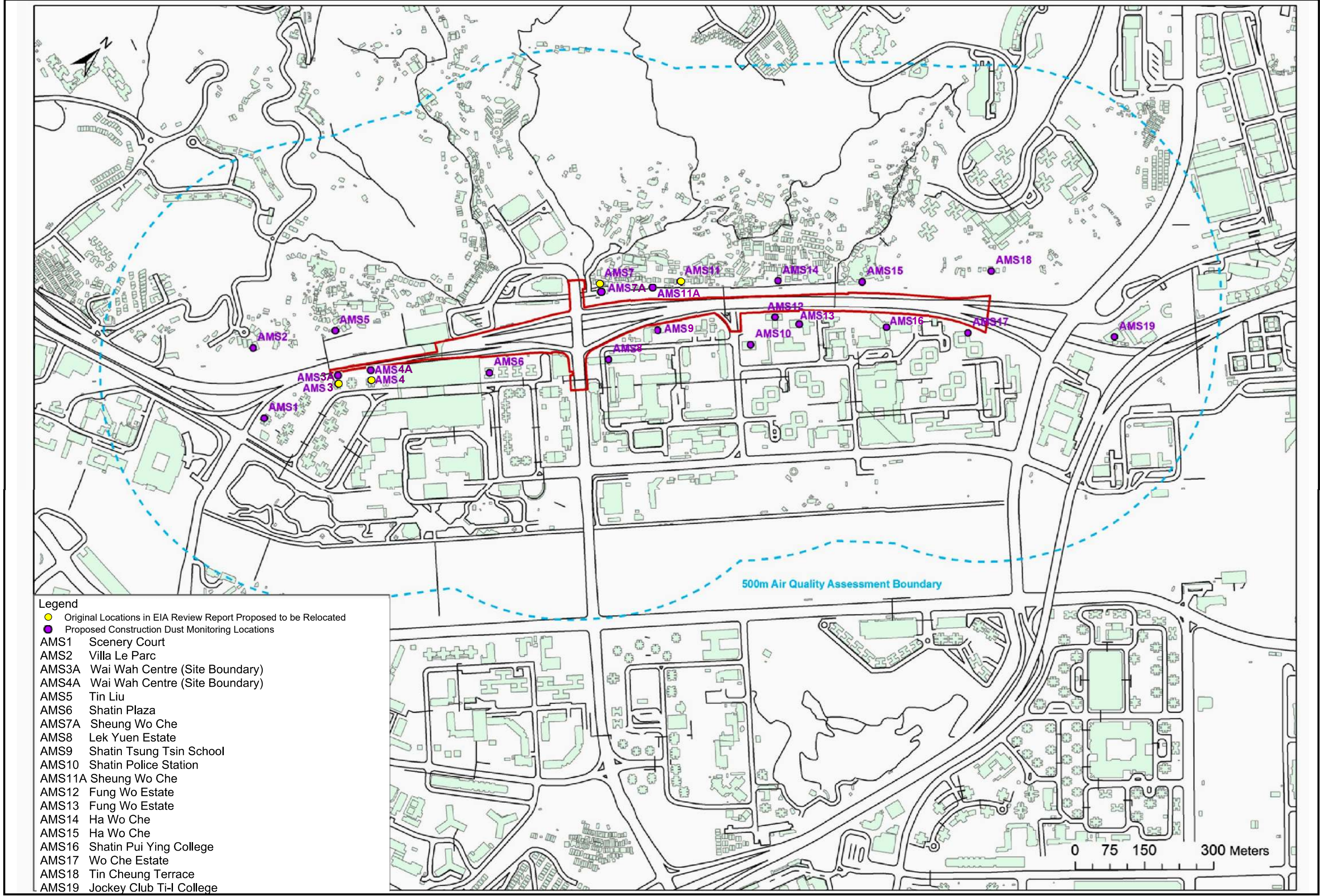


Figure 2a Air Quality Monitoring Locations



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E-mail : matlab@fugro.com  
Website : www.fugro.com



## Figure 2b

### Noise Monitoring Locations



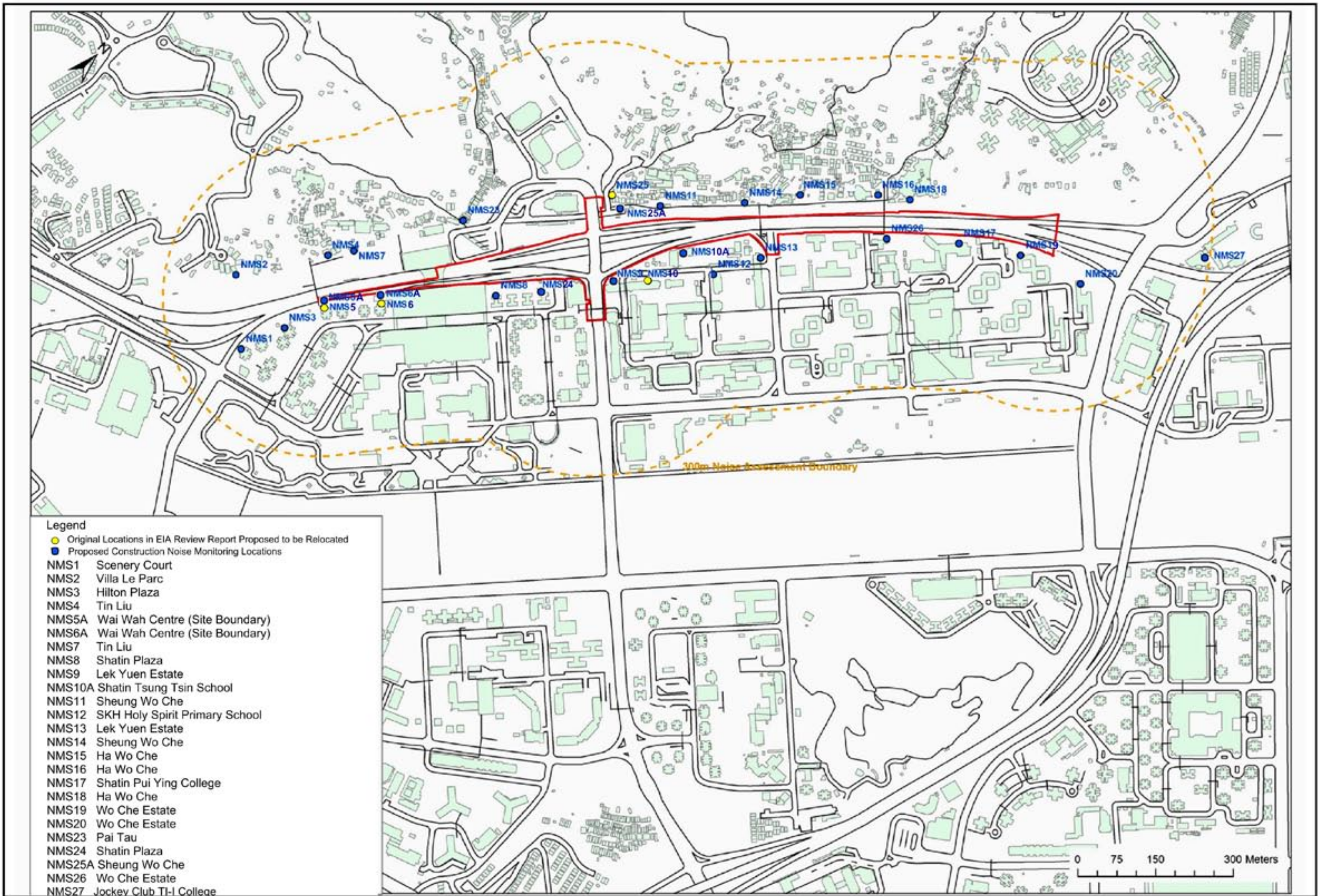


Figure 2b Noise Monitoring Locations



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Website : www.fugro.com



## Appendix A

### Construction Programme



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP2) Start	DWP (AP2) Finish	2018		2019		
								Nov 5	Dec 6	Jan 7	Feb 8	Mar 9
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (</b>												
<b>PROJECT KEY DATES</b>												
<b>POSSESSION OF SITE</b>												
KEY1050	Possession of Portion D	0	0	23-Jan-19*		23-Jan-19						
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>												
<b>GENERAL SUBMISSION</b>												
SUB1115	Survey of the Site	0	0	30-Nov-18*		03-Aug-18						
SUB1153	BIM Team	0	0	30-Nov-18*		24-Aug-18						
SUB1155	BIM Execution Plan	0	0	30-Nov-18*		25-Sep-18						
SUB1180	Recording photo	0	0	30-Nov-18*		03-Aug-18						
SUB1200	Hoarding Plan	0	0	30-Nov-18*		01-Aug-18						
SUB1305	Holding nursery for transplanted trees	0	0	30-Nov-18*		17-Aug-18						
SUB1307	Geotechnical monitoring personnel	0	0	30-Nov-18*		17-Aug-18						
SUB1309	Geotechnical monitoring proposal	0	0	30-Nov-18*		26-Aug-18						
SUB1343	TCSS Configuration Management	0	0	30-Nov-18*		16-Sep-18						
SUB1347	Lift Installation - Design Data	0	0	30-Nov-18*		25-Sep-18						
SUB1360	Video Script	0	0	14-Jan-19*		14-Jan-19						
SUB1396	Employment of technician apprentices & civil engineering graduates	0	0	15-Nov-18 A		16-Oct-18						
SUB1400	Submit full detail programme	0	0	05-Nov-18 A		21-Oct-18						
SUB1403	ITP's for Lighting Luminaires and System	0	0	30-Nov-18*		16-Oct-18						
SUB1405	All Lighting Designs	0	0	30-Nov-18*		16-Oct-18						
SUB1407	Interface Management Plan & Detailed Interface Document	0	0	05-Nov-18 A		16-Oct-18						
SUB1410	Combined Services Drawings (CSD)	0	0	30-Nov-18*		25-Oct-18						
<b>DESIGN SUBMISSION</b>												
<b>GENERAL</b>												
DES1030	PM Consent for Construction	28	11	18-Sep-18 A	10-Dec-18	25-Sep-18	22-Oct-18					
<b>STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>												
DES1050	PM review & comment	28	28	10-Oct-18 A	27-Dec-18	14-Sep-18	11-Oct-18					
DES1060	Re-submit Alternative Design for Slab Widening of NHA & Widening of Bridge N264 w/Design Certificate	22	22	29-Dec-18	19-Jan-19	13-Oct-18	03-Nov-18					
DES1070	PM Consent for Construction	28	28	20-Jan-19	16-Feb-19	04-Nov-18	01-Dec-18					
DES1080	Prepare & submit Alternative Design for Modification of Bridge N263 w/Design Certificate	21	5	05-Nov-18 A	04-Dec-18	14-Sep-18	04-Oct-18					

▨ Remaining Level of Effort     ▨ Remaining Work  
▨ Actual Level of Effort     ▨ Critical Remaining Work  
▨ Primary Baseline     ◆ Milestone  
▨ Actual Work     ◆ Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (30/11/18)**  
 Page 1 of 6

Date	Revision	Checked	Approved
05/12/18	3MRP DWP 1811	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP2) Start	DWP (AP2) Finish	2018					2019										
								Nov		Dec		Jan		Feb		Mar	Jan		Feb		Mar		
								5	6	7	8	9											
DES1090	PM review & comment	28	28	05-Dec-18	01-Jan-19	05-Oct-18	01-Nov-18																
DES1100	Re-submit Alternative Desing for Modification of Bridge N263 w/Design Certificate	23	23	03-Jan-19	25-Jan-19	03-Nov-18	25-Nov-18																
DES1110	PM Consent for Construction	28	28	26-Jan-19	22-Feb-19	26-Nov-18	23-Dec-18																
DES1120	Prepare & submit Alternative Design of Bridges SR2 & SR5, Slab Widening of SHA & Widening of Bridge N262	21	20	30-Nov-18 A	24-Dec-18	05-Oct-18	25-Oct-18																
DES1130	PM review & comment	28	28	25-Dec-18	21-Jan-19	26-Oct-18	22-Nov-18																
DES1140	Re-submit Alternative Design of Bridges SR2 & SR5, Slab Widening of SHA & Widening of Bridge N262 w/Design	28	28	22-Jan-19	18-Feb-19	23-Nov-18	20-Dec-18																
DES1150	PM Consent for Construction	28	28	19-Feb-19	18-Mar-19	21-Dec-18	17-Jan-19																
<b>NOISE MITIGATION MEASURES</b>																							
DES1170	PM review & comment	28	24	03-Oct-18 A	23-Dec-18	14-Sep-18	11-Oct-18																
DES1180	Re-submit Foundation Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	22	22	25-Dec-18	15-Jan-19	13-Oct-18	03-Nov-18																
DES1190	PM Consent for Construction	28	28	16-Jan-19	12-Feb-19	04-Nov-18	01-Dec-18																
DES1210	PM review & comment	28	20	25-Oct-18 A	19-Dec-18	05-Oct-18	01-Nov-18																
DES1220	Re-submit Foundation Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate	23	23	21-Dec-18	12-Jan-19	03-Nov-18	25-Nov-18																
DES1230	PM Consent for Construction	28	28	13-Jan-19	09-Feb-19	26-Nov-18	23-Dec-18																
DES1240	Prepare & submit Foundation Design of Mitigation Measures in Zone 3 w/Design Certificate	21	21	30-Nov-18	20-Dec-18	05-Oct-18	25-Oct-18																
DES1250	PM review & comment	28	28	21-Dec-18	17-Jan-19	26-Oct-18	22-Nov-18																
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23	19-Jan-19	10-Feb-19	24-Nov-18	16-Dec-18																
DES1270	PM Consent for Construction	28	28	11-Feb-19	10-Mar-19	17-Dec-18	13-Jan-19																
DES1280	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	21	21	21-Dec-18	10-Jan-19	26-Oct-18	15-Nov-18																
DES1290	PM review & comment	28	28	11-Jan-19	07-Feb-19	16-Nov-18	13-Dec-18																
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design Certificate	20	20	09-Feb-19	28-Feb-19	15-Dec-18	03-Jan-19																
DES1320	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	11-Jan-19	31-Jan-19	16-Nov-18	06-Dec-18																
DES1330	PM review & comment	28	28	01-Feb-19	28-Feb-19	07-Dec-18	03-Jan-19																
DES1360	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate	21	21	01-Feb-19	21-Feb-19	07-Dec-18	27-Dec-18																
DES1370	PM review & comment	28	28	22-Feb-19	21-Mar-19	28-Dec-18	24-Jan-19																
<b>REMAINING WORKS</b>																							
DES1410	PM review & comment	28	20	29-Oct-18 A	19-Dec-18	14-Sep-18	11-Oct-18																
DES1420	Re-submit Foundation Design of Retaining Walls RW1, RW3, RW6 & RW7 w/Design Certificate	34	34	21-Dec-18	23-Jan-19	13-Oct-18	15-Nov-18																
DES1430	PM Consent for Construction	28	28	24-Jan-19	20-Feb-19	16-Nov-18	13-Dec-18																
DES1440	Prepare & submit Foundation Design of Footbridge NF40 & NF66 w/Design Certificate	21	5	16-Nov-18 A	04-Dec-18	14-Sep-18	04-Oct-18																
DES1450	PM review & comment	28	28	05-Dec-18	01-Jan-19	05-Oct-18	01-Nov-18																
DES1460	Re-submit Foundation Design of Footbridge NF40 & NF66 w/Design Certificate	28	28	03-Jan-19	30-Jan-19	03-Nov-18	07-Dec-18																
DES1470	PM Consent for Construction	28	28	31-Jan-19	27-Feb-19	08-Dec-18	04-Jan-19																
DES1480	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry	21	21	05-Dec-18	25-Dec-18	05-Oct-18	25-Oct-18																

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (30/11/18)**  
Page 2 of 6

Date	Revision	Checked	Approved
05/12/18	3MRP DWP 1811	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP2) Start	DWP (AP2) Finish	2018					2019								
								Nov 5	Dec 6	Jan 7	Feb 8	Mar 9	Nov 5	Dec 6	Jan 7	Feb 8	Mar 9				
DES1490	PM review & comment	28	28	26-Dec-18	22-Jan-19	26-Oct-18	22-Nov-18														
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry w/Design	35	35	24-Jan-19	27-Feb-19	24-Nov-18	28-Dec-18														
DES1520	Prepare & submit Design of Watermain & Irrigation System w/Design Certificate	35	5	20-Nov-18 A	04-Dec-18	29-Jul-18	01-Sep-18														
DES1530	PM review & comment	28	28	05-Dec-18	01-Jan-19	02-Sep-18	29-Sep-18														
DES1540	Re-submit Design of Watermain & Irrigation System w/Design Certificate	28	28	03-Jan-19	30-Jan-19	01-Oct-18	01-Nov-18														
DES1550	PM Consent for Construction	28	28	31-Jan-19	27-Feb-19	02-Nov-18	29-Nov-18														
DES1560	Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	35	35	05-Dec-18	08-Jan-19	02-Sep-18	06-Oct-18														
DES1570	PM review & comment	28	28	09-Jan-19	05-Feb-19	07-Oct-18	03-Nov-18														
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	32	32	07-Feb-19	10-Mar-19	05-Nov-18	06-Dec-18														

**SUBLETTING & PROCUREMENT SCHEDULE**

SUBLETTING		Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP2) Start	DWP (AP2) Finish	2018					2019								
Activity ID	Activity Name							Nov 5	Dec 6	Jan 7	Feb 8	Mar 9	Nov 5	Dec 6	Jan 7	Feb 8	Mar 9				
SPS1000	Maintenance of Traffic Flow	30	30	18-Dec-18	16-Jan-19	25-Sep-18	24-Oct-18														
SPS1010	Electronic Document Management System (EDMS) for the use of the Project Manager	30	12	18-Oct-18 A	11-Dec-18*	02-Oct-18	31-Oct-18														
SPS1020	Photographs	30	0	28-Sep-18 A	12-Nov-18 A	02-Oct-18	31-Oct-18														
SPS1030	Hoarding and Signboard	30	30	30-Nov-18	29-Dec-18	02-Oct-18	31-Oct-18														
SPS1040	Survey of the Site	30	30	18-Dec-18	16-Jan-19	25-Sep-18	24-Oct-18														
SPS1050	Public Relations Work Including Public Relations Officer)	30	0	28-Sep-18 A	08-Nov-18 A	02-Oct-18	31-Oct-18														
SPS1060	Security System of the Site	30	30	30-Nov-18	29-Dec-18	02-Oct-18	31-Oct-18														
SPS1070	Construction Video film production + reproduction	30	0	28-Sep-18 A	12-Nov-18 A	02-Oct-18	31-Oct-18														
SPS1080	Pre-construction condition survey	30	0	30-Oct-18 A	15-Nov-18 A	25-Sep-18	24-Oct-18														
SPS1090	Building Information Model (BIM)	30	30	30-Nov-18	29-Dec-18	02-Oct-18	31-Oct-18														
SPS1100	Independent Checking Engineer	30	0	16-Oct-18 A	13-Nov-18 A	25-Oct-18	23-Nov-18														
SPS1110	Consultancy Services at Construction Stage	30	0	15-Oct-18 A	13-Nov-18 A	02-Oct-18	31-Oct-18														
SPS1140	Site Clearance and Demolition Work	30	30	17-Jan-19	15-Feb-19	25-Oct-18	23-Nov-18														
SPS1150	Ground Investigation	30	0	05-Oct-18 A	12-Nov-18 A	25-Oct-18	23-Nov-18														
SPS1160	Monitoring and Instrumentation	30	30	16-Feb-19	17-Mar-19	24-Nov-18	23-Dec-18														
SPS1170	Piling Works and Pile Testing	30	30	30-Nov-18	29-Dec-18	25-Oct-18	23-Nov-18														
SPS1200	Waterwork (Pipework)	30	30	30-Nov-18	29-Dec-18	06-Aug-18	04-Sep-18														
SPS1210	Drainage (PC pipe, manhole & gully) and Duct	30	30	29-Jan-19	27-Feb-19	24-Dec-18	22-Jan-19														
SPS1220	CCTV for Drainage Pipe	30	30	30-Nov-18	29-Dec-18	25-Oct-18	23-Nov-18														
SPS1240	Reinforced Concrete Work for Retaining Walls	30	30	30-Nov-18	29-Dec-18	12-Oct-18	11-Nov-18														
SPS1250	Reinforced Concrete Work for Noise Mitigation Measures	30	30	18-Dec-18	16-Jan-19	25-Sep-18	24-Oct-18														
SPS1260	Reinforced Concrete Work for Bridge Work	30	30	16-Feb-19	17-Mar-19	23-Dec-18	21-Jan-19														
SPS1290	Steelwork for NB and Lift Tower	30	30	11-Jan-19	09-Feb-19	11-Jan-19	09-Feb-19														

Remaining Level of Effort      Remaining Work  
 Actual Level of Effort      Critical Remaining Work  
 Primary Baseline     ◆ Milestone  
 Actual Work     ◆ Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (30/11/18)**  
 Page 3 of 6

Date	Revision	Checked	Approved
05/12/18	3MRP DWP 1811	Tim	



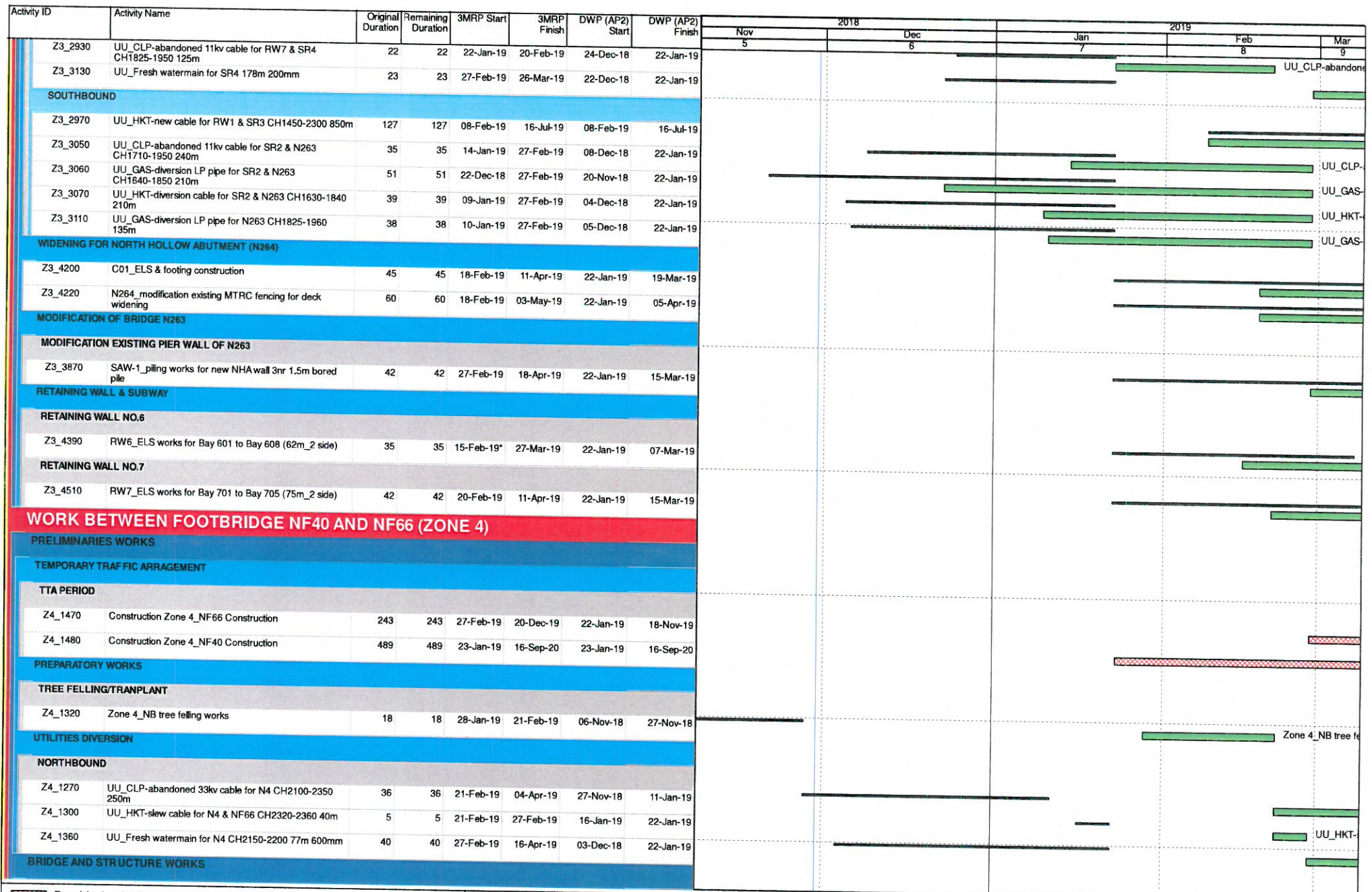
Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP2) Start	DWP (AP2) Finish	2018					2019							
								Nov 5	Dec 6	Jan 7	Feb 8	Mar 9	Nov 5	Dec 6	Jan 7	Feb 8	Mar 9			
SPS1410	Pedestrian Lift (Lift Cars, E&M, Panel, Lourve & Signature)	30	30	01-Dec-18	30-Dec-18	17-Sep-18	16-Oct-18													
SPS1420	Lighting System for Noise Mitigation Measures	30	30	12-Dec-18	10-Jan-19	25-Aug-18	23-Sep-18													
SPS1440	Drainage for Noise Mitigation Measures	30	30	12-Dec-18	10-Jan-19	25-Aug-18	23-Sep-18													
SPS1460	Waterproofing (Bitumen Paint)	30	30	25-Jan-19	23-Feb-19	25-Oct-18	23-Nov-18													
<b>WORK BETWEEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71A (ZONE</b>																				
<b>PRELIMINARIES WORKS</b>																				
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>																				
<b>TTA PERIOD</b>																				
Z1_1410	Construction Zone 1_Stage 1 Southbound structure	271	271	27-Feb-19	29-Jan-20	22-Jan-19	09-Oct-19													
<b>PREPARATORY WORKS</b>																				
<b>TREE FELLING/TRANPLANT</b>																				
Z1_1290	Zone 1_tree felling works	18	18	22-Jan-19	15-Feb-19	06-Nov-18	27-Nov-18													
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>																				
Z1_1270	Zone 1-1_construct temporary road platform along Northbound with remove centre barrier	73	73	15-Feb-19*	18-May-19	27-Nov-18	22-Jan-19													
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>																				
<b>PILE FOUNDATION WORKS</b>																				
<b>SOUTHBOUND</b>																				
Z1_1050	R2_site investigation for R2-02P & 06P (7nr)	18	18	27-Feb-19	20-Mar-19	22-Jan-19	15-Feb-19													
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>																				
<b>PRELIMINARIES WORKS</b>																				
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>																				
<b>TTA PERIOD</b>																				
Z3_3270	Construction period of Zone 3a_1	324	324	27-Feb-19	31-Mar-20	22-Jan-19	11-Mar-20													
<b>PREPARATORY WORKS</b>																				
<b>TREE FELLING/TRANPLANT</b>																				
Z3_2800	Zone 3_tree felling works	18	18	20-Dec-18	12-Jan-19	28-Nov-18	19-Dec-18													
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>																				
Z3_2810	Zone 3-1_remove existing central barrier	21	21	14-Jan-19	14-Feb-19	19-Dec-18	22-Jan-19													
<b>BRIDGE AND STRUCTURE WORKS</b>																				
<b>PRELIMINARIES WORKS</b>																				
<b>UTILITIES DIVERSION</b>																				
<b>NORTHBOUND</b>																				
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m	13	13	07-Jan-19	22-Jan-19	08-Dec-18	24-Dec-18													
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34	08-Jan-19	20-Feb-19	10-Dec-18	22-Jan-19													

Remaining Level of Effort      Remaining Work  
 Actual Level of Effort      Critical Remaining Work  
 Primary Baseline      Milestone  
 Actual Work      Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (30/11/18)**  
 Page 4 of 6

Date	Revision	Checked	Approved
05/12/18	3MRP DWP 1811	Tim	













**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (30/11/18)**  
 Page 5 of 6

Date	Revision	Checked	Approved
05/12/18	3MRP DWP 1811	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP2) Start	DWP (AP2) Finish	2018		2019		
								Nov	Dec	Jan	Feb	Mar
								5	6	7	8	9
<b>MODIFICATION WORKS FOR NF40</b>												
NF40_1000	Construct temporary staircase	60	60	23-Jan-19	05-Apr-19	23-Jan-19	05-Apr-19					
<b>MODIFICATION WORKS FOR NF66</b>												
NF66_1000	Piling for NF66 new support 12nr mini pile	48	48	27-Feb-19	29-Apr-19	22-Jan-19	22-Mar-19					

-  Remaining Level of Effort
-  Actual Level of Effort
-  Primary Baseline
-  Actual Work
-  Remaining Work
-  Critical Remaining Work
-  Milestone
-  Baseline Milestone

Date	Revision	Checked	Approved
05/12/18	3MRP DWP 1811	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP3) Start	DWP (AP3) Finish	2018											
								Dec 6	Jan 7	Feb 8	Mar 9	Apr 10							
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road</b>																			
<b>PROJECT KEY DATES</b>																			
<b>POSSESSION OF SITE</b>																			
KEY1050	Possession of Portion D	0	0	23-Jan-19*															
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>																			
<b>GENERAL SUBMISSION</b>																			
SUB1115	Survey of the Site	0	0	31-Dec-18*															
SUB1153	BIM Team	0	0	31-Dec-18*															
SUB1155	BIM Execution Plan	0	0	31-Dec-18*															
SUB1180	Recording photo	0	0	31-Dec-18*															
SUB1200	Hoarding Plan	0	0	31-Dec-18*															
SUB1305	Holding nursery for transplanted trees	0	0	31-Dec-18*															
SUB1307	Geotechnical monitoring personnel	0	0	31-Dec-18*															
SUB1309	Geotechnical monitoring proposal	0	0	31-Dec-18*															
SUB1343	TCSS Configuration Management	0	0	31-Dec-18*															
SUB1347	Lift Installation - Design Data	0	0	31-Dec-18*															
SUB1360	Video Script	0	0	14-Jan-19*															
SUB1403	ITP's for Lighting Luminaires and System	0	0	31-Dec-18*															
SUB1405	All Lighting Designs	0	0	31-Dec-18*															
SUB1410	Combined Services Drawings (CSD)	0	0	31-Dec-18*															
<b>DESIGN SUBMISSION</b>																			
<b>GENERAL</b>																			
DES1030	PM Consent for Construction	28	25	18-Sep-18 A	24-Jan-19	30-Nov-18	27-Dec-18												
<b>STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>																			
DES1070	PM Consent for Construction	28	20	06-Nov-18 A	21-Feb-19	20-Jan-19	16-Feb-19												
DES1080	Prepare & submit Alternative Design for Modification of Bridge N263 w/Design Certificate	21	0	05-Nov-18 A	06-Dec-18 A	30-Nov-18	20-Dec-18												
DES1090	PM review & comment	28	10	07-Dec-18 A	09-Jan-19	05-Dec-18	01-Jan-19												
DES1100	Re-submit Alternative Design for Modification of Bridge N263 w/Design Certificate	23	23	11-Jan-19	02-Feb-19	03-Jan-19	25-Jan-19												
DES1110	PM Consent for Construction	28	28	03-Feb-19	02-Mar-19	26-Jan-19	22-Feb-19												
DES1120	Prepare & submit Alternative Design of Bridges SR2 & SR5, Slab Widening of SHA & Widening of Bridge N262 w/Design Cert.	21	17	30-Nov-18 A	16-Jan-19	01-Dec-18	21-Dec-18												
DES1130	PM review & comment	28	28	17-Jan-19	13-Feb-19	25-Dec-18	21-Jan-19												
DES1140	Re-submit Alternative Design of Bridges SR2 & SR5, Slab Widening of SHA & Widening of Bridge N262	28	28	14-Feb-19	13-Mar-19	22-Jan-19	18-Feb-19												
DES1150	PM Consent for Construction	28	28	14-Mar-19	10-Apr-19	19-Feb-19	18-Mar-19												
<b>NOISE MITIGATION MEASURES</b>																			
DES1180	Re-submit Foundation Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	22	12	24-Nov-18 A	11-Jan-19	25-Dec-18	15-Jan-19												
DES1190	PM Consent for Construction	28	28	25-Jan-19	21-Feb-19	16-Jan-19	12-Feb-19												
DES1220	Re-submit Foundation Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate	23	0	10-Nov-18 A	31-Dec-18 A	21-Dec-18	12-Jan-19												
DES1230	PM Consent for Construction	28	28	25-Jan-19	21-Feb-19	13-Jan-19	09-Feb-19												
DES1240	Prepare & submit Foundation Design of Mitigation Measures in Zone 3 w/Design Certificate	21	8	26-Nov-18 A	07-Jan-19	30-Nov-18	20-Dec-18												
DES1250	PM review & comment	28	28	08-Jan-19	04-Feb-19	21-Dec-18	17-Jan-19												
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23	06-Feb-19	28-Feb-19	19-Jan-19	10-Feb-19												
DES1270	PM Consent for Construction	28	28	01-Mar-19	28-Mar-19	11-Feb-19	10-Mar-19												
DES1280	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	21	21	08-Jan-19	28-Jan-19	21-Dec-18	10-Jan-19												

	Remaining Level of Effort		Actual Work		Baseline Milestone
	Actual Level of Effort		Remaining Work		Milestone
	Primary Baseline		Critical Remaining Work		

Date	Revision	Checked	Approved
10-Jan-19	3MRP DWP 1812	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP3) Start	DWP (AP3) Finish	2018					2019					
								Dec 6	Jan 7	Feb 8	Mar 9	Apr 10						
DES1290	PM review & comment	28	28	29-Jan-19	25-Feb-19	11-Jan-19	07-Feb-19											
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design Certificate	20	20	27-Feb-19	18-Mar-19	09-Feb-19	28-Feb-19											
DES1310	PM Consent for Construction	28	28	19-Mar-19	15-Apr-19	01-Mar-19	28-Mar-19											
DES1320	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	29-Jan-19	18-Feb-19	11-Jan-19	31-Jan-19											
DES1330	PM review & comment	28	28	19-Feb-19	18-Mar-19	01-Feb-19	28-Feb-19											
DES1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	20-Mar-19	09-Apr-19	02-Mar-19	22-Mar-19											
DES1360	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate	21	21	19-Feb-19	11-Mar-19	01-Feb-19	21-Feb-19											
DES1370	PM review & comment	28	28	12-Mar-19	08-Apr-19	22-Feb-19	21-Mar-19											
<b>REMAINING WORKS</b>																		
DES1410	PM review & comment	28	0	29-Oct-18 A	20-Dec-18 A	30-Nov-18	27-Dec-18											
DES1420	Re-submit Foundation Design of Retaining Walls RW1, RW3, RW6 & RW7 w/Design Certificate	34	32	21-Dec-18 A	31-Jan-19	21-Dec-18	23-Jan-19											
DES1430	PM Consent for Construction	28	28	01-Feb-19	28-Feb-19	24-Jan-19	20-Feb-19											
DES1440	Prepare & submit Foundation Design of Footbridge NF40 & NF66 w/Design Certificate	21	0	16-Nov-18 A	31-Dec-18 A	30-Nov-18	20-Dec-18											
DES1450	PM review & comment	28	28	31-Dec-18	27-Jan-19	05-Dec-18	01-Jan-19											
DES1460	Re-submit Foundation Design of Footbridge NF40 & NF66 w/Design Certificate	35	35	29-Jan-19	04-Mar-19	03-Jan-19	30-Jan-19											
DES1470	PM Consent for Construction	28	28	05-Mar-19	01-Apr-19	31-Jan-19	27-Feb-19											
DES1480	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry w/Design C	21	8	26-Nov-18 A	07-Jan-19	05-Dec-18	25-Dec-18											
DES1490	PM review & comment	28	28	08-Jan-19	04-Feb-19	26-Dec-18	22-Jan-19											
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry	35	35	06-Feb-19	12-Mar-19	24-Jan-19	27-Feb-19											
DES1510	PM Consent for Construction	28	28	13-Mar-19	09-Apr-19	28-Feb-19	27-Mar-19											
DES1520	Prepare & submit Design of Watermain & Irrigation System w/Design Certificate	35	0	20-Nov-18 A	31-Dec-18 A	30-Nov-18	03-Jan-19											
DES1530	PM review & comment	28	28	31-Dec-18	27-Jan-19	05-Dec-18	01-Jan-19											
DES1540	Re-submit Design of Watermain & Irrigation System w/Design Certificate	32	32	29-Jan-19	01-Mar-19	03-Jan-19	30-Jan-19											
DES1550	PM Consent for Construction	28	28	02-Mar-19	29-Mar-19	31-Jan-19	27-Feb-19											
DES1560	Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	35	35	31-Dec-18	03-Feb-19	05-Dec-18	08-Jan-19											
DES1570	PM review & comment	28	28	04-Feb-19	03-Mar-19	09-Jan-19	05-Feb-19											
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	32	32	05-Mar-19	05-Apr-19	07-Feb-19	10-Mar-19											
<b>SUBLETTING &amp; PROCUREMENT SCHEDULE</b>																		
<b>SUBLETTING</b>																		
SPS1000	Maintenance of Traffic Flow	30	30	31-Dec-18	29-Jan-19	18-Dec-18	16-Jan-19											
SPS1010	Electronic Document Management System (EDMS) for the use of the Project Manager	30	12	18-Oct-18 A	11-Jan-19*	30-Nov-18	29-Dec-18											
SPS1030	Hoarding and Signboard	30	30	31-Dec-18	29-Jan-19	30-Nov-18	29-Dec-18											
SPS1040	Survey of the Site	30	30	31-Dec-18	29-Jan-19	18-Dec-18	16-Jan-19											
SPS1060	Security System of the Site	30	30	31-Dec-18	29-Jan-19	30-Nov-18	29-Dec-18											
SPS1090	Building Information Model (BIM)	30	30	31-Dec-18	29-Jan-19	30-Nov-18	29-Dec-18											
SPS1140	Site Clearance and Demolition Work	30	30	30-Jan-19	28-Feb-19	17-Jan-19	15-Feb-19											
SPS1160	Monitoring and Instrumentation	30	30	01-Mar-19	30-Mar-19	16-Feb-19	17-Mar-19											
SPS1170	Piling Works and Pile Testing	30	30	01-Jan-19	30-Jan-19	30-Nov-18	29-Dec-18											
SPS1200	Waterwork (Pipework)	30	30	31-Dec-18	29-Jan-19	30-Nov-18	29-Dec-18											
SPS1210	Drainage (PC pipe, manhole & gully) and Duct	30	30	01-Mar-19	30-Mar-19	29-Jan-19	27-Feb-19											
SPS1220	CCTV for Drainage Pipe	30	30	31-Dec-18	29-Jan-19	30-Nov-18	29-Dec-18											
SPS1240	Reinforced Concrete Work for Retaining Walls	30	30	31-Dec-18	29-Jan-19	30-Nov-18	29-Dec-18											
SPS1250	Reinforced Concrete Work for Noise Mitigation Measures	30	30	31-Dec-18	29-Jan-19	18-Dec-18	16-Jan-19											
SPS1260	Reinforced Concrete Work for Bridge Work	30	30	15-Mar-19	13-Apr-19	16-Feb-19	17-Mar-19											
SPS1290	Steelwork for NB and Lift Tower	30	30	11-Jan-19	09-Feb-19	11-Jan-19	09-Feb-19											
SPS1410	Pedestrian Lift (Lift Cars, E&M, Panel, Lourve & Signature)	30	30	31-Dec-18	29-Jan-19	01-Dec-18	30-Dec-18											
SPS1420	Lighting System for Noise Mitigation Measures	30	30	31-Dec-18	29-Jan-19	12-Dec-18	10-Jan-19											

	Remaining Level of Effort		Actual Work		Baseline Milestone
	Actual Level of Effort		Remaining Work		Milestone
	Primary Baseline		Critical Remaining Work		









Date	Revision	Checked	Approved
10-Jan-19	3MRP DWP 1812	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP3) Start	DWP (AP3) Finish	2019				
								Dec 6	Jan 7	Feb 8	Mar 9	Apr 10
SPS1440	Drainage for Noise Mitigation Measures	30	30	31-Dec-18	29-Jan-19	12-Dec-18	10-Jan-19	Drainage for Noise Mitigation Measures				
SPS1460	Waterproofing (Bitumen Paint)	30	30	29-Jan-19	27-Feb-19	25-Jan-19	23-Feb-19	Waterproofing (Bitumen Paint)				
<b>WORK BETWEEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71A (ZONE 1)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z1_1290	Zone 1_tree felling works	18	18	09-Feb-19	02-Mar-19	22-Jan-19	15-Feb-19	Zone 1_tree felling works				
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>												
Z1_1270	Zone 1-1_construct temporary road platform along Northbound	45	45	02-Mar-19	29-Apr-19	15-Feb-19	18-May-19					
Z1_1280	Zone 1-1_remove existing central barrier	21	21	26-Mar-19	29-Apr-19	15-Apr-19	17-May-19					
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z1_1330	UU_CLP-abandoned 33kv cable for R1 & R2 CH1075 30m	11	11	28-Mar-19	10-Apr-19	03-Apr-19	17-Apr-19	UU_CLP-abandoned				
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z3_2800	Zone 3_tree felling works	18	18	31-Dec-18	21-Jan-19	20-Dec-18	12-Jan-19	Zone 3_tree felling works				
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>												
Z3_2810	Zone 3-1_remove existing central barrier	21	21	22-Jan-19	22-Feb-19	14-Jan-19	14-Feb-19	Zone 3-1_remove existing central barrier				
<b>BRIDGE AND STRUCTURE WORKS</b>												
<b>PRELIMINARIES WORKS</b>												
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m	13	13	15-Jan-19	30-Jan-19	07-Jan-19	22-Jan-19	UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m				
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34	16-Jan-19	28-Feb-19	08-Jan-19	20-Feb-19	UU_HKT-diversion cable for RW7 CH1830-2000 170m				
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22	30-Jan-19	28-Feb-19	22-Jan-19	20-Feb-19	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m				
<b>SOUTHBOUND</b>												
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127	08-Feb-19	16-Jul-19	08-Feb-19	16-Jul-19					
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m	35	35	19-Feb-19	30-Mar-19	14-Jan-19	27-Feb-19	UU_CLP-abandoned 11kv cable for SR2 & N263				
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m	51	51	28-Jan-19	30-Mar-19	22-Dec-18	27-Feb-19	UU_GAS-diversion LP pipe for SR2 & N263 CH1				
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m	39	39	14-Feb-19	30-Mar-19	09-Jan-19	27-Feb-19	UU_HKT-diversion cable for SR2 & N263 CH163				
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1825-1960 135m	38	38	15-Feb-19	30-Mar-19	10-Jan-19	27-Feb-19	UU_GAS-diversion LP pipe for N263 CH1825-19				
<b>WIDENING FOR NORTH HOLLOW ABUTMENT (N264)</b>												
Z3_4200	C01_ELS & footing construction	45	45	21-Feb-19	16-Apr-19	18-Feb-19	11-Apr-19	C01_ELS & footing c				
Z3_4220	N264_modification existing MTRC fencing for deck widening	60	60	21-Feb-19	08-May-19	18-Feb-19	03-May-19					
<b>RETAINING WALL &amp; SUBWAY</b>												
<b>RETAINING WALL NO.6</b>												
Z3_4390	RW6_ELS works for Bay 601 to Bay 608 (62m_2 side)	35	35	23-Feb-19	04-Apr-19	15-Feb-19	27-Mar-19	RW6_ELS works for Bay 601 to Bay 608				
<b>RETAINING WALL NO.7</b>												
Z3_4510	RW7_ELS works for Bay 701 to Bay 705 (75m_2 side)	42	42	28-Feb-19	23-Apr-19	20-Feb-19	11-Apr-19	RW7_EL				
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z4_1480	Construction Zone 4_NF40 Construction	489	489	23-Jan-19	16-Sep-20	23-Jan-19	16-Sep-20	Construction Zone 4_NF40 Construction				
<b>PREPARATORY WORKS</b>												

- Remaining Level of Effort
- Actual Work
- Baseline Milestone
- Remaining Work
- Actual Level of Effort
- Critical Remaining Work
- Milestone
- Primary Baseline

Date	Revision	Checked	Approved
10-Jan-19	3MRP DWP 1812	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP3) Start	DWP (AP3) Finish	2018				2019						
								Dec	Jan	Feb	Mar	Apr	May	Jun	Jul			
<b>TREE FELLING/TRANPLANT</b>																		
Z4_1320	Zone 4_NB tree felling works	18	18	05-Mar-19	26-Mar-19	28-Jan-19	21-Feb-19											
<b>UTILITIES DIVERSION</b>																		
<b>NORTHBOUND</b>																		
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5	26-Mar-19	01-Apr-19	21-Feb-19	27-Feb-19											
<b>BRIDGE AND STRUCTURE WORKS</b>																		
<b>MODIFICATION WORKS FOR NF40</b>																		
NF40_1000	Construct temporary staircase	60	60	23-Jan-19	05-Apr-19	23-Jan-19	05-Apr-19											

 Remaining Level of Effort	 Actual Work	 Baseline Milestone
 Actual Level of Effort	 Remaining Work	 Milestone
 Primary Baseline	 Critical Remaining Work	

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/12/18)**  
 Page 4 of 4

Date	Revision	Checked	Approved
10-Jan-19	3MRP DWP 1812	Tim	

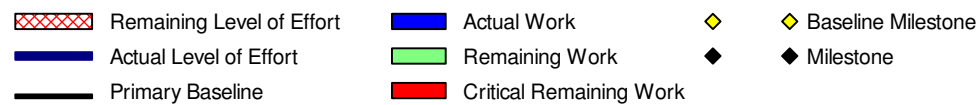
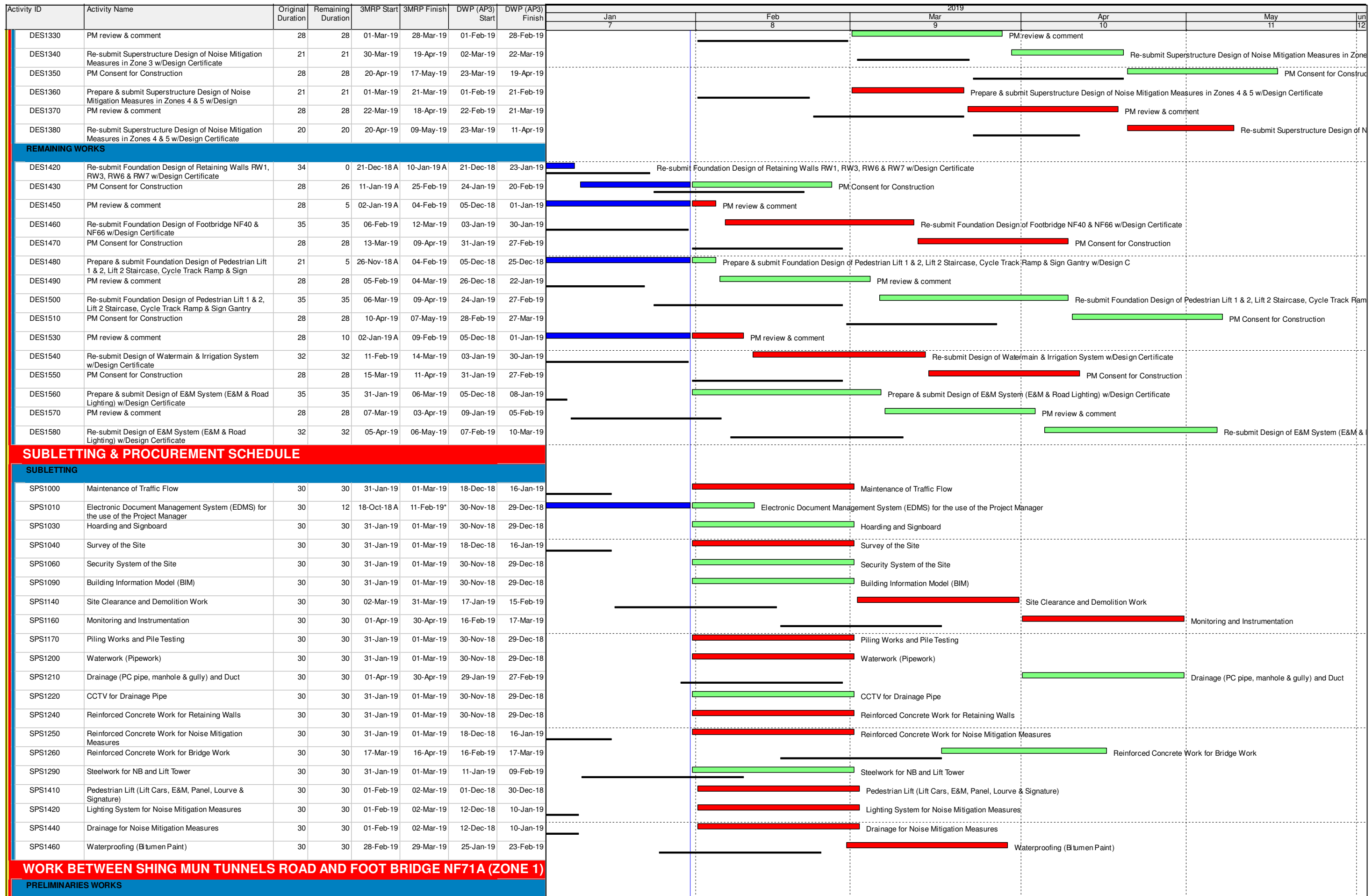


Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP3) Start	DWP (AP3) Finish	2019						
								Jan 7	Feb 8	Mar 9	Apr 10	May 11		
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road</b>														
<b>PROJECT KEY DATES</b>														
<b>POSSESSION OF SITE</b>														
KEY1050	Possession of Portion D	0	0	23-Jan-19 A		23-Jan-19								
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>														
<b>GENERAL SUBMISSION</b>														
SUB1115	Survey of the Site	0	0	31-Jan-19*		30-Nov-18								
SUB1153	BIM Team	0	0	31-Jan-19*		30-Nov-18								
SUB1155	BIM Execution Plan	0	0	31-Jan-19*		30-Nov-18								
SUB1180	Recording photo	0	0	31-Jan-19*		30-Nov-18								
SUB1200	Hoarding Plan	0	0	31-Jan-19*		30-Nov-18								
SUB1305	Holding nursery for transplanted trees	0	0	31-Jan-19*		30-Nov-18								
SUB1307	Geotechnical monitoring personnel	0	0	31-Jan-19*		30-Nov-18								
SUB1309	Geotechnical monitoring proposal	0	0	31-Jan-19*		30-Nov-18								
SUB1343	TCSS Configuration Management	0	0	31-Jan-19*		30-Nov-18								
SUB1347	Lift Installation - Design Data	0	0	31-Jan-19*		30-Nov-18								
SUB1360	Video Script	0	0	31-Jan-19*		14-Jan-19								
SUB1403	ITP's for Lighting Luminaires and System	0	0	31-Jan-19*		30-Nov-18								
SUB1405	All Lighting Designs	0	0	31-Jan-19*		30-Nov-18								
SUB1410	Combined Services Drawings (CSD)	0	0	31-Jan-19*		30-Nov-18								
<b>DESIGN SUBMISSION</b>														
<b>STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>														
DES1070	PM Consent for Construction	28	6	06-Nov-18 A	05-Feb-19	20-Jan-19	16-Feb-19							
DES1090	PM review & comment	28	5	07-Dec-18 A	04-Feb-19	05-Dec-18	01-Jan-19							
DES1100	Re-submit Alternative Design for Modification of Bridge N263 w/Design Certificate	23	23	06-Feb-19	28-Feb-19	03-Jan-19	25-Jan-19							
DES1110	PM Consent for Construction	28	28	01-Mar-19	28-Mar-19	26-Jan-19	22-Feb-19							
DES1120	Prepare & submit Alternative Design of Bridges SR2 & SR5, Slab Widening of SHA & Widening of Bridge N262	21	0	30-Nov-18 A	04-Jan-19 A	01-Dec-18	21-Dec-18							
DES1130	PM review & comment	28	12	05-Jan-19 A	11-Feb-19	25-Dec-18	21-Jan-19							
DES1140	Re-submit Alternative Design of Bridges SR2 & SR5, Slab Widening of SHA & Widening of Bridge N262	28	28	12-Feb-19	11-Mar-19	22-Jan-19	18-Feb-19							
DES1150	PM Consent for Construction	28	28	12-Mar-19	08-Apr-19	19-Feb-19	18-Mar-19							
<b>NOISE MITIGATION MEASURES</b>														
DES1180	Re-submit Foundation Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	22	6	24-Nov-18 A	05-Feb-19	25-Dec-18	15-Jan-19							
DES1190	PM Consent for Construction	28	28	06-Feb-19	05-Mar-19	16-Jan-19	12-Feb-19							
DES1230	PM Consent for Construction	28	14	02-Jan-19 A	13-Feb-19	13-Jan-19	09-Feb-19							
DES1240	Prepare & submit Foundation Design of Mitigation Measures in Zone 3 w/Design Certificate	21	5	26-Nov-18 A	04-Feb-19	30-Nov-18	20-Dec-18							
DES1250	PM review & comment	28	28	05-Feb-19	04-Mar-19	21-Dec-18	17-Jan-19							
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23	06-Mar-19	28-Mar-19	19-Jan-19	10-Feb-19							
DES1270	PM Consent for Construction	28	28	29-Mar-19	25-Apr-19	11-Feb-19	10-Mar-19							
DES1280	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	21	3	14-Jan-19 A	07-Feb-19	21-Dec-18	10-Jan-19							
DES1290	PM review & comment	28	28	08-Feb-19	07-Mar-19	11-Jan-19	07-Feb-19							
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design Certificate	20	20	09-Mar-19	28-Mar-19	09-Feb-19	28-Feb-19							
DES1310	PM Consent for Construction	28	28	29-Mar-19	25-Apr-19	01-Mar-19	28-Mar-19							
DES1320	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	08-Feb-19	28-Feb-19	11-Jan-19	31-Jan-19							

	Remaining Level of Effort		Actual Work		Baseline Milestone
	Actual Level of Effort		Remaining Work		Milestone
	Primary Baseline		Critical Remaining Work		

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/01/19)**  
 Page 1 of 4

Date	Revision	Checked	Approved
09-Feb-19	3MRP DWP 1901	Tim	



Date	Revision	Checked	Approved
09-Feb-19	3MRP DWP 1901	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP3) Start	DWP (AP3) Finish	2019				
								Jan 7	Feb 8	Mar 9	Apr 10	May 11
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z1_1410	Construction Zone 1_Stage 1 Southbound structure	260	260	30-Apr-19	13-Mar-20	27-Feb-19	29-Jan-20	[Cross-hatched bar]				
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z1_1290	Zone 1_tree felling works	18	16	25-Jan-19 A	01-Apr-19	22-Jan-19	15-Feb-19	[Green bar: Zone 1_tree felling works]				
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>												
Z1_1270	Zone 1-1_construct temporary road platform along Northbound	45	45	01-Apr-19	30-May-19	15-Feb-19	18-May-19	[Green bar]				Zor
Z1_1280	Zone 1-1_remove existing central barrier	21	21	29-Apr-19	30-May-19	15-Apr-19	17-May-19	[Green bar]				Zor
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z1_1330	UU_CLP-abandoned 33kv cable for R1 & R2 CH1075 30m	11	11	26-Apr-19	10-May-19	03-Apr-19	17-Apr-19	[Green bar: UU_CLP-abandoned 33kv cable for R1 & R2 CH1075 30m]				
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE FOUNDATION WORKS</b>												
<b>SOUTHBOUND</b>												
Z1_1050	R2_site investigation for R2-02P & 06P (7nr)	18	18	30-Apr-19	23-May-19	27-Feb-19	20-Mar-19	[Green bar: R2_site invest]				
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z3_3270	Construction period of Zone 3a_1	354	354	30-Apr-19	10-Jul-20	27-Feb-19	31-Mar-20	[Cross-hatched bar]				
Z3_3400	Construction period of Zone 3b_1	401	401	30-Apr-19	03-Sep-20	18-Mar-19	29-May-20	[Cross-hatched bar]				
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z3_2800	Zone 3_tree felling works	18	11	22-Jan-19 A	15-Feb-19	20-Dec-18	12-Jan-19	[Blue bar: Zone 3_tree felling works]				
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>												
Z3_2810	Zone 3-1_remove existing central barrier	21	21	15-Feb-19	18-Mar-19	14-Jan-19	14-Feb-19	[Red bar: Zone 3-1_remove existing central barrier]				
<b>BRIDGE AND STRUCTURE WORKS</b>												
<b>PRELIMINARIES WORKS</b>												
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m	13	13	01-Feb-19	20-Feb-19	07-Jan-19	22-Jan-19	[Red bar: UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m]				
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34	02-Feb-19	18-Mar-19	08-Jan-19	20-Feb-19	[Green bar: UU_HKT-diversion cable for RW7 CH1830-2000 170m]				
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22	20-Feb-19	18-Mar-19	22-Jan-19	20-Feb-19	[Green bar: UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m]				
<b>SOUTHBOUND</b>												
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127	08-Feb-19	16-Jul-19	08-Feb-19	16-Jul-19	[Green bar]				
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m	35	35	15-Mar-19	30-Apr-19	14-Jan-19	27-Feb-19	[Green bar: UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m]				
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m	51	51	25-Feb-19	30-Apr-19	22-Dec-18	27-Feb-19	[Green bar: UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m]				
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m	39	39	11-Mar-19	30-Apr-19	09-Jan-19	27-Feb-19	[Green bar: UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m]				
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1825-1960 135m	38	38	12-Mar-19	30-Apr-19	10-Jan-19	27-Feb-19	[Green bar: UU_GAS-diversion LP pipe for N263 CH1825-1960 135m]				
<b>WIDENING FOR NORTH HOLLOW ABUTMENT (N264)</b>												
Z3_4200	C01_ELS & footing construction	45	45	08-Feb-19	01-Apr-19	18-Feb-19	11-Apr-19	[Green bar: C01_ELS & footing construction]				
Z3_4210	C01_cloumn construction	40	40	02-Apr-19	24-May-19	12-Apr-19	03-Jun-19	[Green bar]				
Z3_4220	N264_modification existing MTRC fencing for deck widening	60	60	08-Feb-19	23-Apr-19	18-Feb-19	03-May-19	[Green bar: N264_modification existing MTRC fencing for de]				
Z3_4240	N264_temporary protection MTRC cable	45	45	02-Apr-19	30-May-19	12-Apr-19	10-Jun-19	[Green bar]				
<b>MODIFICATION OF BRIDGE N263</b>												

	Remaining Level of Effort		Actual Work		Baseline Milestone
	Actual Level of Effort		Remaining Work		Milestone
	Primary Baseline		Critical Remaining Work		

Date	Revision	Checked	Approved
09-Feb-19	3MRP DWP 1901	Tim	











Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP3) Start	DWP (AP3) Finish	2019					
								Jan 7	Feb 8	Mar 9	Apr 10	May 11	Jun 12
<b>MODIFICATION EXISTING PIER WALL OF N263</b>													
Z3_3870	SAW-1_piling works for new NHA wall 3nr 1.5m bored pile	42	42	30-Apr-19	21-Jun-19	27-Feb-19	18-Apr-19						
<b>MODIFICATION EXISTING SOUTH HOLLOW ABUTMENT WALL</b>													
Z3_3950	SHA_piling works for pier SHA6 nos. Socket H-pile	48	48	30-Apr-19	28-Jun-19	18-Mar-19	20-May-19						
<b>RETAINING WALL &amp; SUBWAY</b>													
<b>RETAINING WALL NO.6</b>													
Z3_4390	RW6_ELS works for Bay 601 to Bay 608 (62m_2 side)	35	35	18-Mar-19	03-May-19	15-Feb-19	27-Mar-19						
<b>RETAINING WALL NO.7</b>													
Z3_4510	RW7_ELS works for Bay 701 to Bay 705 (75m_2 side)	42	42	18-Mar-19	11-May-19	20-Feb-19	11-Apr-19						
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>													
<b>TTA PERIOD</b>													
Z4_1470	Construction Zone 4_NF66 Construction	243	243	30-Apr-19	22-Feb-20	27-Feb-19	20-Dec-19						
Z4_1480	Construction Zone 4_NF40 Construction	489	489	31-Jan-19	24-Sep-20	23-Jan-19	16-Sep-20						
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z4_1320	Zone 4_NB tree felling works	18	17	25-Jan-19 A	24-Apr-19	28-Jan-19	21-Feb-19						
<b>UTILITIES DIVERSION</b>													
<b>NORTHBOUND</b>													
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5	24-Apr-19	30-Apr-19	21-Feb-19	27-Feb-19						
<b>BRIDGE AND STRUCTURE WORKS</b>													
<b>MODIFICATION WORKS FOR NF40</b>													
NF40_1000	Construct temporary staircase	60	60	31-Jan-19	15-Apr-19	23-Jan-19	05-Apr-19						
NF40_1010	Demolish existing staircase & part of existing footing	45	45	16-Apr-19	13-Jun-19	08-Apr-19	04-Jun-19						
<b>MODIFICATION WORKS FOR NF66</b>													
NF66_1000	Piling for NF66 new support 12nr mini pile	48	48	30-Apr-19	28-Jun-19	27-Feb-19	29-Apr-19						
<b>WORK BETWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z5_1710	Zone 5_tree felling works	18	17	22-Jan-19 A	13-Feb-20	17-Oct-19	07-Nov-19						
<b>PORTION E (ZONE 5)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z5E_1140	Portion E_tree felling works	30	28	22-Jan-19 A	15-Sep-20	09-May-20	13-Jun-20						

 Remaining Level of Effort	 Actual Work	 Baseline Milestone
 Actual Level of Effort	 Remaining Work	 Milestone
 Primary Baseline	 Critical Remaining Work	

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/01/19)**  
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Date	Revision	Checked	Approved
09-Feb-19	3MRP DWP 1901	Tim	

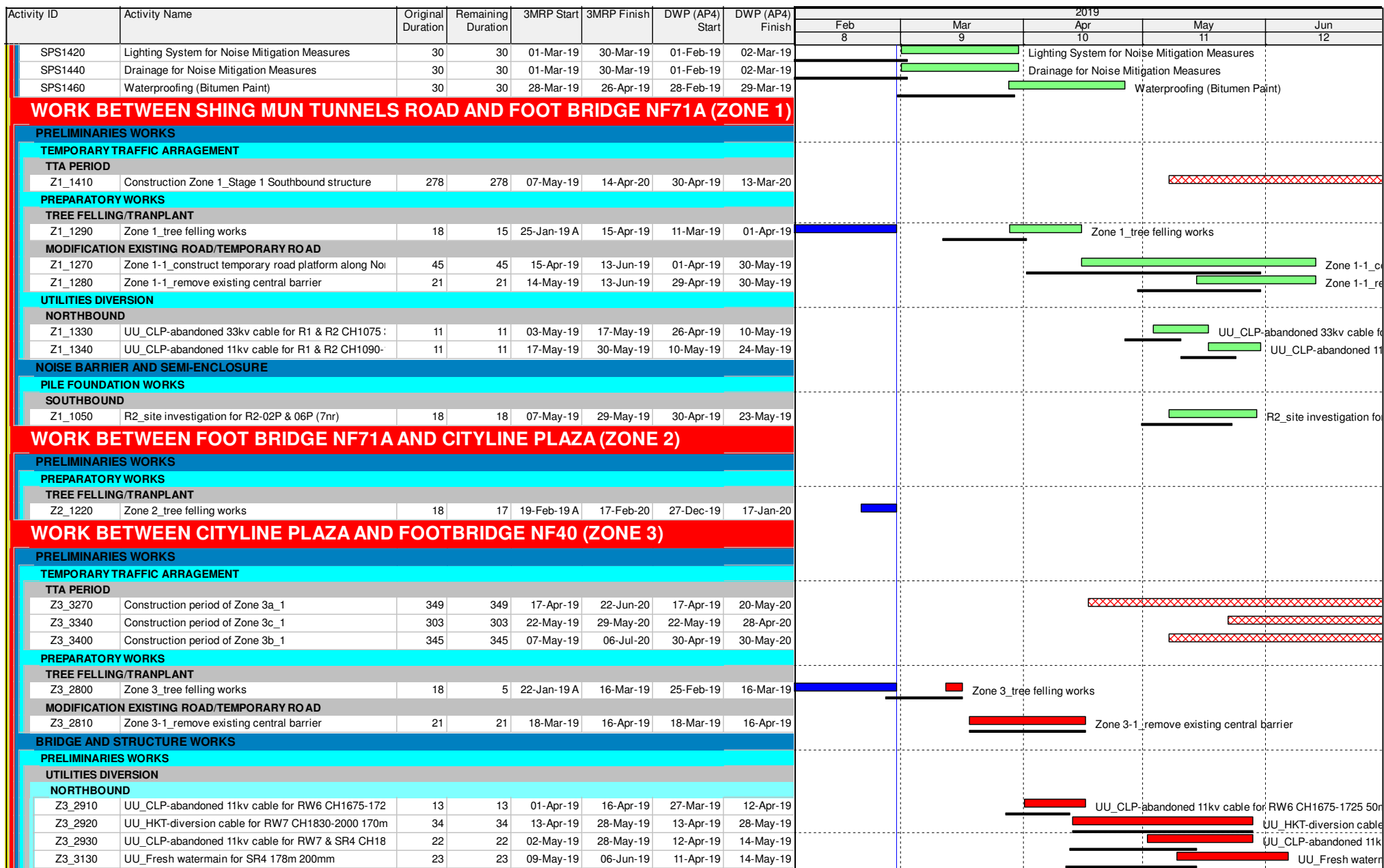
Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP4) Start	DWP (AP4) Finish	2019				
								Feb 8	Mar 9	Apr 10	May 11	Jun 12
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road</b>												
<b>PROJECT KEY DATES</b>												
<b>POSSESSION OF SITE</b>												
KEY1050	Possession of Portion D	0	0	23-Jan-19 A		31-Jan-19						
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>												
<b>GENERAL SUBMISSION</b>												
SUB1115	Survey of the Site	0	0	28-Feb-19*		31-Jan-19						
SUB1153	BIM Team	0	0	28-Feb-19*		31-Jan-19						
SUB1155	BIM Execution Plan	0	0	28-Feb-19*		31-Jan-19						
SUB1180	Recording photo	0	0	15-Feb-19 A		31-Jan-19						
SUB1200	Hoarding Plan	0	0	28-Feb-19*		31-Jan-19						
SUB1305	Holding nursery for transplanted trees	0	0	28-Feb-19*		31-Jan-19						
SUB1307	Geotechnical monitoring personnel	0	0	22-Jan-19 A		31-Jan-19						
SUB1309	Geotechnical monitoring proposal	0	0	28-Feb-19*		31-Jan-19						
SUB1343	TCSS Configuration Management	0	0	28-Feb-19*		31-Jan-19						
SUB1347	Lift Installation - Design Data	0	0	28-Feb-19*		31-Jan-19						
SUB1360	Video Script	0	0	28-Feb-19*		31-Jan-19						
SUB1403	ITP's for Lighting Luminaires and System	0	0	28-Feb-19*		31-Jan-19						
SUB1405	All Lighting Designs	0	0	28-Feb-19*		31-Jan-19						
SUB1410	Combined Services Drawings (CSD)	0	0	28-Feb-19*		31-Jan-19						
<b>DESIGN SUBMISSION</b>												
<b>STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>												
DES1070	PM Consent for Construction	28	6	06-Nov-18 A	05-Mar-19	20-Feb-19	19-Mar-19					
DES1090	PM review & comment	28	5	07-Dec-18 A	04-Mar-19	05-Oct-18	01-Nov-18					
DES1100	Re-submit Alternative Desing for Modification of Bridge	23	23	06-Mar-19	28-Mar-19	06-Feb-19	28-Feb-19					
DES1110	PM Consent for Construction	28	28	29-Mar-19	25-Apr-19	01-Mar-19	28-Mar-19					
DES1130	PM review & comment	28	12	05-Jan-19 A	11-Mar-19	17-Feb-19	16-Mar-19					
DES1140	Re-submit Alternative Design of Bridges SR2 & SR5, 5	28	28	12-Mar-19	08-Apr-19	12-Feb-19	11-Mar-19					
DES1150	PM Consent for Construction	28	28	09-Apr-19	06-May-19	12-Mar-19	08-Apr-19					
<b>NOISE MITIGATION MEASURES</b>												
DES1180	Re-submit Foundation Design of Noise Mitigation Mea	22	6	24-Nov-18 A	05-Mar-19	29-Jan-19	19-Feb-19					
DES1190	PM Consent for Construction	28	28	06-Mar-19	02-Apr-19	06-Feb-19	05-Mar-19					
DES1230	PM Consent for Construction	28	14	02-Jan-19 A	13-Mar-19	31-Jan-19	27-Feb-19					
DES1240	Prepare & submit Foundation Design of Mitigation Mea	21	5	26-Nov-18 A	04-Mar-19	31-Dec-18	20-Jan-19					
DES1250	PM review & comment	28	28	05-Mar-19	01-Apr-19	05-Feb-19	04-Mar-19					
DES1260	Re-submit Foundation Design of Noise Mitigation Mea	23	23	03-Apr-19	25-Apr-19	06-Mar-19	28-Mar-19					
DES1270	PM Consent for Construction	28	28	26-Apr-19	23-May-19	29-Mar-19	25-Apr-19					
DES1280	Prepare & submit Superstructure Design of Noise Mitig	21	3	14-Jan-19 A	07-Mar-19	05-Feb-19	25-Feb-19					
DES1290	PM review & comment	28	28	08-Mar-19	04-Apr-19	08-Feb-19	07-Mar-19					

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Baseline Milestone
	Actual Work		Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (28/02/19)**  
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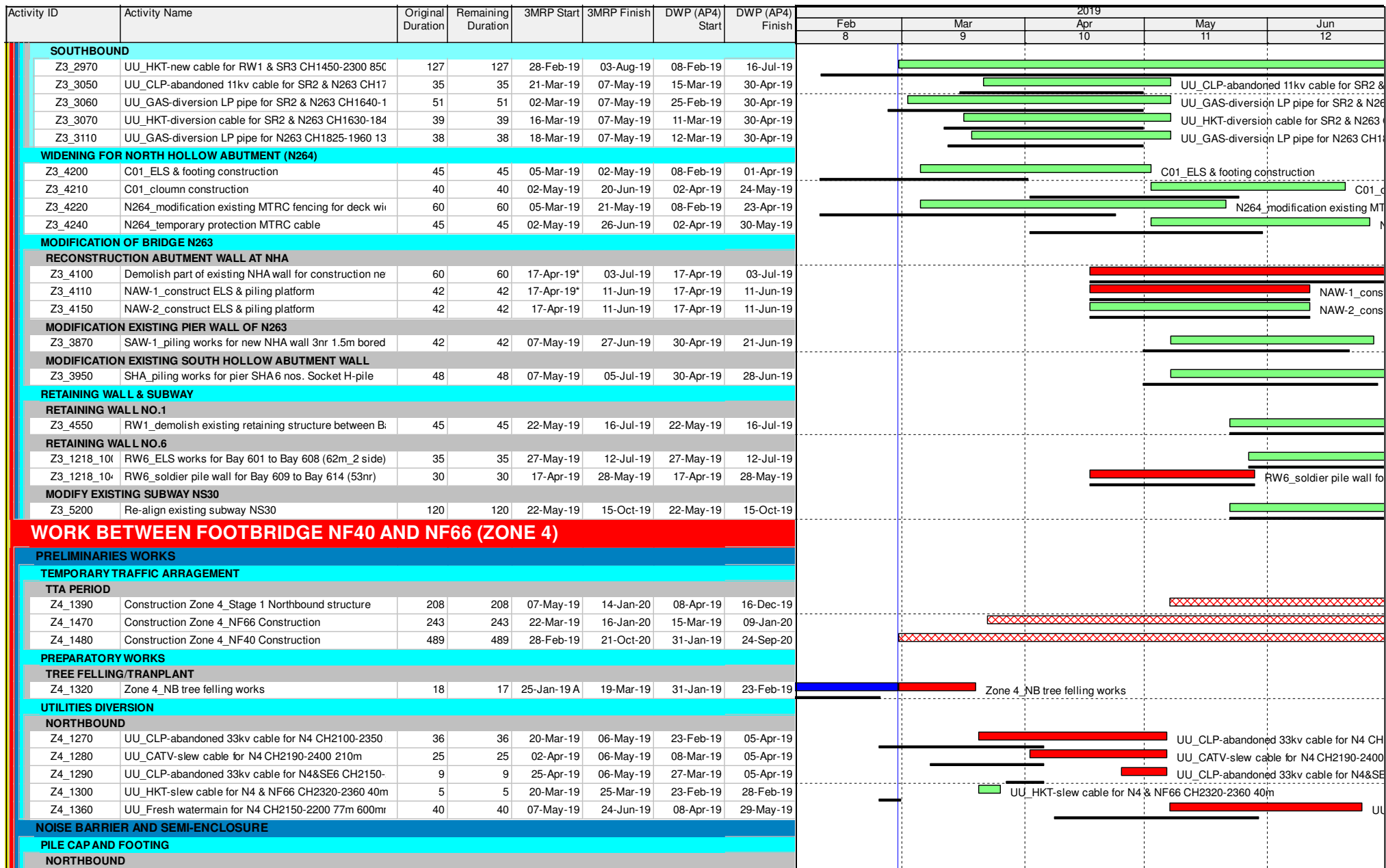
Date	Revision	Checked	Appr...
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
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- Remaining Level of Effort
- Remaining Work
- Actual Level of Effort
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)  
3 Months Rolling Programme (28/02/19)  
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Date	Revision	Checked	Appr...
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP4) Start	DWP (AP4) Finish	2019						
								Feb 8	Mar 9	Apr 10	May 11	Jun 12		
Z4_1000	N4_ELS for footing construction N4-12 to N4-29 (231nr)	64	64	07-May-19	23-Jul-19	08-Apr-19	27-Jun-19							
<b>BRIDGE AND STRUCTURE WORKS</b>														
<b>MODIFICATION WORKS FOR NF40</b>														
NF40_1000	Construct temporary staircase	60	60	28-Feb-19	15-May-19	31-Jan-19	15-Apr-19							Construct temporary staircase
NF40_1010	Demolish existing staircase & part of existing footing	45	45	16-May-19	09-Jul-19	16-Apr-19	13-Jun-19							
<b>MODIFICATION WORKS FOR NF66</b>														
NF66_1000	Piling for NF66 new support 12nr mini pile	48	48	22-Mar-19	24-May-19	15-Mar-19	17-May-19							Piling for NF66 new support
NF66_1010	Pile cap construction 2nr	60	60	24-May-19	05-Aug-19	17-May-19	29-Jul-19							
<b>WORK BETWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)</b>														
<b>PRELIMINARIES WORKS</b>														
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z5_1710	Zone 5_tree felling works	18	15	22-Jan-19 A	22-Oct-19	21-Sep-19	15-Oct-19							
<b>PORTION E (ZONE 5)</b>														
<b>PRELIMINARIES WORKS</b>														
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z5E_1140	Portion E_tree felling works	30	25	22-Jan-19 A	29-May-20	15-Apr-20	22-May-20							

-  Remaining Level of Effort
-  Remaining Work
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-  Critical Remaining Work
-  Primary Baseline
-  Baseline Milestone
-  Actual Work
-  Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)  
3 Months Rolling Programme (28/02/19)  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP5) Start	DWP (AP5) Finish	2019						
								Mar 9	Apr 10	May 11	Jun 12	Jul 13		
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (</b>														
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>														
<b>GENERAL SUBMISSION</b>														
SUB1115	Survey of the Site	0	0	31-Mar-19*		28-Feb-19								
SUB1153	BIM Team	0	0	31-Mar-19*		28-Feb-19								
SUB1155	BIM Execution Plan	0	0	31-Mar-19*		28-Feb-19								
SUB1200	Hoarding Plan	0	0	31-Mar-19*		28-Feb-19								
SUB1305	Holding nursery for transplanted trees	0	0	31-Mar-19*		28-Feb-19								
SUB1309	Geotechnical monitoring proposal	0	0	12-Mar-19 A		28-Feb-19								
SUB1343	TCSS Configuration Management	0	0	31-Mar-19*		28-Feb-19								
SUB1347	Lift Installation - Design Data	0	0	31-Mar-19*		28-Feb-19								
SUB1360	Video Script	0	0	15-Mar-19 A		28-Feb-19								
SUB1403	ITP's for Lighting Luminaires and System	0	0	31-Mar-19*		28-Feb-19								
SUB1405	All Lighting Designs	0	0	31-Mar-19*		28-Feb-19								
SUB1410	Combined Services Drawings (CSD)	0	0	31-Mar-19*		28-Feb-19								
<b>DESIGN SUBMISSION</b>														
<b>STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>														
DES1070	PM Consent for Construction	28	6	06-Nov-18 A	05-Apr-19	20-Feb-19	19-Mar-19							
DES1090	PM review & comment	28	5	07-Dec-18 A	04-Apr-19	05-Oct-18	01-Nov-18							
DES1100	Re-submit Alternative Design for Modification of Bridge	23	23	06-Apr-19	28-Apr-19	06-Mar-19	28-Mar-19							
DES1110	PM Consent for Construction	28	28	29-Apr-19	26-May-19	29-Mar-19	25-Apr-19							
DES1140	Re-submit Alternative Design of Bridges SR2 & SR5, &	28	22	19-Feb-19 A	22-Apr-19	12-Mar-19	08-Apr-19							
DES1150	PM Consent for Construction	28	28	22-Apr-19	20-May-19	09-Apr-19	06-May-19							
<b>NOISE MITIGATION MEASURES</b>														
DES1180	Re-submit Foundation Design of Noise Mitigation Mea	22	4	24-Nov-18 A	04-Apr-19	29-Jan-19	19-Feb-19							
DES1190	PM Consent for Construction	28	28	04-Apr-19	02-May-19	06-Mar-19	02-Apr-19							
DES1230	PM Consent for Construction	28	14	02-Jan-19 A	13-Apr-19	31-Jan-19	27-Feb-19							
DES1240	Prepare & submit Foundation Design of Mitigation Mea	21	5	26-Nov-18 A	04-Apr-19	31-Dec-18	20-Jan-19							
DES1250	PM review & comment	28	28	05-Apr-19	02-May-19	05-Mar-19	01-Apr-19							
DES1260	Re-submit Foundation Design of Noise Mitigation Mea	23	23	04-May-19	26-May-19	03-Apr-19	25-Apr-19							
DES1270	PM Consent for Construction	28	28	27-May-19	23-Jun-19	26-Apr-19	23-May-19							
DES1280	Prepare & submit Superstructure Design of Noise Mitig	21	3	14-Jan-19 A	07-Apr-19	05-Feb-19	25-Feb-19							
DES1290	PM review & comment	28	28	08-Apr-19	05-May-19	08-Mar-19	04-Apr-19							
DES1300	Re-submit Superstructure Design of Noise Mitigation I	20	20	07-May-19	26-May-19	06-Apr-19	25-Apr-19							
DES1310	PM Consent for Construction	28	28	27-May-19	23-Jun-19	26-Apr-19	23-May-19							
DES1320	Prepare & submit Superstructure Design of Noise Mitig	21	19	20-Mar-19 A	26-Apr-19	08-Mar-19	28-Mar-19							
DES1330	PM review & comment	28	28	26-Apr-19	24-May-19	29-Mar-19	25-Apr-19							
DES1340	Re-submit Superstructure Design of Noise Mitigation I	21	21	25-May-19	15-Jun-19	27-Apr-19	17-May-19							
DES1350	PM Consent for Construction	28	28	15-Jun-19	13-Jul-19	18-May-19	14-Jun-19							
DES1360	Prepare & submit Superstructure Design of Noise Mitig	21	19	20-Mar-19 A	15-May-19	29-Mar-19	18-Apr-19							

	Remaining Level of Effort		Remaining Work
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/03/19)**  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP5) Start	DWP (AP5) Finish	2019						
								Mar 9	Apr 10	May 11	Jun 12	Jul 13		
DES1370	PM review & comment	28	28	15-May-19	12-Jun-19	19-Apr-19	16-May-19							
DES1380	Re-submit Superstructure Design of Noise Mitigation I	20	20	13-Jun-19	03-Jul-19	18-May-19	06-Jun-19							PM review & comment
<b>REMAINING WORKS</b>														
DES1430	PM Consent for Construction	28	20	11-Jan-19 A	19-Apr-19	04-Mar-19	31-Mar-19							PM Consent for Construction
DES1450	PM review & comment	28	5	02-Jan-19 A	04-Apr-19	31-Jan-19	27-Feb-19							PM review & comment
DES1460	Re-submit Foundation Design of Footbridge NF40 & N	35	35	06-Apr-19	10-May-19	06-Mar-19	09-Apr-19							Re-submit Foundation Design of Footbridge NF40 & NF66 w/D
DES1470	PM Consent for Construction	28	28	11-May-19	07-Jun-19	10-Apr-19	07-May-19							PM Consent for Construction
DES1480	Prepare & submit Foundation Design of Pedestrian Lift	21	5	26-Nov-18 A	04-Apr-19	31-Dec-18	20-Jan-19							Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track
DES1490	PM review & comment	28	28	05-Apr-19	02-May-19	05-Mar-19	01-Apr-19							PM review & comment
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2,	35	35	04-May-19	07-Jun-19	03-Apr-19	07-May-19							Re-submit Foundation Design of Pedes
DES1510	PM Consent for Construction	28	28	08-Jun-19	05-Jul-19	08-May-19	04-Jun-19							PM Consent for C
DES1530	PM review & comment	28	1	02-Jan-19 A	31-Mar-19	31-Jan-19	27-Feb-19							PM review & comment
DES1540	Re-submit Design of Watermain & Irrigation System w	32	32	02-Apr-19	03-May-19	02-Mar-19	02-Apr-19							Re-submit Design of Watermain & Irrigation System w/Design Certi
DES1550	PM Consent for Construction	28	28	04-May-19	31-May-19	03-Apr-19	30-Apr-19							PM Consent for Construction
DES1560	Prepare & submit Design of E&M System (E&M & Roa	35	35	31-Mar-19	04-May-19	28-Feb-19	03-Apr-19							Prepare & submit Design of E&M System (E&M & Road Lighting) w
DES1570	PM review & comment	28	28	05-May-19	01-Jun-19	04-Apr-19	01-May-19							PM review & comment
DES1580	Re-submit Design of E&M System (E&M & Road Lighti	32	32	03-Jun-19	04-Jul-19	03-May-19	03-Jun-19							Re-submit Design
<b>SUBLETTING &amp; PROCUREMENT SCHEDULE</b>														
<b>SUBLETTING</b>														
SPS1000	Maintenance of Traffic Flow	30	30	31-Mar-19	29-Apr-19	28-Feb-19	29-Mar-19							Maintenance of Traffic Flow
SPS1010	Electronic Document Management System (EDMS) for	30	5	18-Oct-18 A	04-Apr-19*	31-Dec-18	29-Jan-19							Electronic Document Management System (EDMS) for the use of the Project Manager
SPS1030	Hoarding and Signboard	30	30	31-Mar-19	29-Apr-19	28-Feb-19	29-Mar-19							Hoarding and Signboard
SPS1040	Survey of the Site	30	30	31-Mar-19	29-Apr-19	28-Feb-19	29-Mar-19							Survey of the Site
SPS1060	Security System of the Site	30	30	31-Mar-19	29-Apr-19	28-Feb-19	29-Mar-19							Security System of the Site
SPS1090	Building Information Model (BIM)	30	21	12-Mar-19 A	29-Apr-19	28-Feb-19	29-Mar-19							Building Information Model (BIM)
SPS1140	Site Clearance and Demolition Work	30	30	27-Apr-19	27-May-19	26-Mar-19	24-Apr-19							Site Clearance and Demolition Work
SPS1160	Monitoring and Instrumentation	30	30	09-May-19	08-Jun-19	07-Apr-19	06-May-19							Monitoring and Instrumentation
SPS1170	Piling Works and Pile Testing	30	1	21-Dec-18 A	31-Mar-19	28-Feb-19	29-Mar-19							Piling Works and Pile Testing
SPS1200	Waterwork (Pipework)	30	30	31-Mar-19	29-Apr-19	28-Feb-19	29-Mar-19							Waterwork (Pipework)
SPS1210	Drainage (PC pipe, manhole & gully) and Duct	30	30	31-May-19	29-Jun-19	29-Apr-19	28-May-19							Drainage (PC pipe, m
SPS1220	CCTV for Drainage Pipe	30	30	01-Apr-19	30-Apr-19	28-Feb-19	29-Mar-19							CCTV for Drainage Pipe
SPS1240	Reinforced Concrete Work for Retaining Walls	30	30	01-Apr-19	30-Apr-19	20-Mar-19	18-Apr-19							Reinforced Concrete Work for Retaining Walls
SPS1250	Reinforced Concrete Work for Noise Mitigation Measu	30	30	31-Mar-19	29-Apr-19	28-Feb-19	29-Mar-19							Reinforced Concrete Work for Noise Mitigation Measures
SPS1260	Reinforced Concrete Work for Bridge Work	30	30	28-Apr-19	28-May-19	31-Mar-19	29-Apr-19							Reinforced Concrete Work for Bridge Work
SPS1280	Reinforced Concrete Work for Footbridge NF40 & NF6	30	30	18-May-19	16-Jun-19	17-Apr-19	16-May-19							Reinforced Concrete Work for F
SPS1290	Steelwork for NB and Lift Tower	30	30	01-Apr-19	30-Apr-19	28-Feb-19	29-Mar-19							Steelwork for NB and Lift Tower
SPS1310	Bearing and Movement Joint	30	30	12-May-19	10-Jun-19	04-Mar-19	02-Apr-19							Bearing and Movement Joint
SPS1320	Tendon Works	30	30	12-May-19	10-Jun-19	04-Mar-19	02-Apr-19							Tendon Works
SPS1410	Pedestrian Lift (Lift Cars, E&M, Panel, Lourve & Signal	30	30	31-Mar-19	29-Apr-19	07-May-19	05-Jun-19							Pedestrian Lift (Lift Cars, E&M, Panel, Lo
SPS1420	Lighting System for Noise Mitigation Measures	30	30	31-Mar-19	29-Apr-19	01-Mar-19	30-Mar-19							Lighting System for Noise Mitigation Measures
SPS1440	Drainage for Noise Mitigation Measures	30	30	31-Mar-19	29-Apr-19	01-Mar-19	30-Mar-19							Drainage for Noise Mitigation Measures
SPS1460	Waterproofing (Bitumen Paint)	30	30	26-Apr-19	25-May-19	28-Mar-19	26-Apr-19							Waterproofing (Bitumen Paint)
<b>WORK BETWEEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71A (ZONE 1)</b>														
<b>PRELIMINARIES WORKS</b>														
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>														
<b>TTA PERIOD</b>														

	Remaining Level of Effort		Remaining Work
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	Primary Baseline		Baseline Milestone
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/03/19)**  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP5) Start	DWP (AP5) Finish	2019						
								Mar 9	Apr 10	May 11	Jun 12	Jul 13		
Z1_1410	Construction Zone 1_ Stage 1 Southbound structure	283	283	30-May-19	14-May-20	29-Apr-19	14-Apr-20							
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z1_1290	Zone 1_tree felling works	18	3	25-Jan-19 A	11-May-19	11-Mar-19	01-Apr-19							
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>														
Z1_1270	Zone 1-1_construct temporary road platform along Noi	45	45	11-May-19	06-Jul-19	08-Apr-19	05-Jun-19							
Z1_1280	Zone 1-1_remove existing central barrier	21	21	05-Jun-19	05-Jul-19	06-May-19	05-Jun-19							
<b>UTILITIES DIVERSION</b>														
<b>NORTHBOUND</b>														
Z1_1330	UU_CLP-abandoned 33kv cable for R1 & R2 CH1075 :	11	11	27-May-19	10-Jun-19	25-Apr-19	09-May-19							
Z1_1340	UU_CLP-abandoned 11kv cable for R1 & R2 CH1090-	11	11	10-Jun-19	22-Jun-19	09-May-19	23-May-19							
<b>SOUTHBOUND</b>														
Z1_1370	UU_CLP-abandoned 33kv cable for R2 CH1100-1130 :	11	11	22-Jun-19	06-Jul-19	23-May-19	05-Jun-19							
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>														
<b>PILE FOUNDATION WORKS</b>														
<b>SOUTHBOUND</b>														
Z1_1050	R2_site investigation for R2-02P & 06P (7nr)	18	18	30-May-19	21-Jun-19	29-Apr-19	22-May-19							
<b>WORK BETWEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA (ZONE 2)</b>														
<b>PRELIMINARIES WORKS</b>														
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z2_1220	Zone 2_tree felling works	18	4	19-Feb-19 A	16-Mar-20	24-Jan-20	17-Feb-20							
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>														
<b>PRELIMINARIES WORKS</b>														
<b>TEMPORARY TRAFFIC ARRAGEMENT</b>														
<b>TTA PERIOD</b>														
Z3_3270	Construction period of Zone 3a_1	374	374	17-Apr-19	23-Jul-20	17-Apr-19	20-May-20							
Z3_3340	Construction period of Zone 3c_1	328	328	22-May-19	29-Jun-20	22-May-19	29-May-20							
Z3_3400	Construction period of Zone 3b_1	350	350	30-May-19	03-Aug-20	06-May-19	30-May-20							
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z3_2800	Zone 3_tree felling works	18	2	22-Jan-19 A	03-Apr-19	25-Feb-19	16-Mar-19							
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>														
Z3_2810	Zone 3-1_remove existing central barrier	21	21	03-Apr-19	07-May-19	18-Mar-19	16-Apr-19							
<b>BRIDGE AND STRUCTURE WORKS</b>														
<b>PRELIMINARIES WORKS</b>														
<b>UTILITIES DIVERSION</b>														
<b>NORTHBOUND</b>														
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-172	13	13	17-Apr-19	07-May-19	01-Apr-19	16-Apr-19							
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34	07-May-19	18-Jun-19	13-Apr-19	28-May-19							
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH18	22	22	22-May-19	18-Jun-19	02-May-19	28-May-19							
Z3_3130	UU_Fresh watermain for SR4 178m 200mm	23	23	31-May-19	28-Jun-19	30-Apr-19	29-May-19							
<b>SOUTHBOUND</b>														
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 85C	127	127	01-Apr-19	04-Sep-19	28-Feb-19	03-Aug-19							
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH17	35	35	24-Apr-19	05-Jun-19	19-Mar-19	03-May-19							
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1	51	51	01-Apr-19	05-Jun-19	28-Feb-19	03-May-19							
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-184	39	39	16-Apr-19	05-Jun-19	14-Mar-19	03-May-19							
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1825-1960 13	38	38	17-Apr-19	05-Jun-19	15-Mar-19	03-May-19							

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								Mar 9	Apr 10	May 11	Jun 12	Jul 13
<b>WIDENING FOR NORTH HOLLOW ABUTMENT (N264)</b>												
Z3_4200	C01_ELS & footing construction	45	45	05-Apr-19	04-Jun-19	05-Mar-19	02-May-19					
Z3_4210	C01_column construction	40	40	04-Jun-19	23-Jul-19	02-May-19	20-Jun-19					
Z3_4220	N264_modification existing MTRC fencing for deck wi	60	60	05-Apr-19	22-Jun-19	05-Mar-19	21-May-19					
Z3_4240	N264_temporary protection MTRC cable	45	45	04-Jun-19	29-Jul-19	02-May-19	26-Jun-19					
<b>MODIFICATION OF BRIDGE N263</b>												
<b>RECONSTRUCTION ABUTMENT WALL AT NHA</b>												
Z3_4100	Demolish part of existing NHA wall for construction ne	60	60	17-Apr-19*	03-Jul-19	17-Apr-19	03-Jul-19					
Z3_4110	NAW-1_construct ELS & piling platform	42	42	17-Apr-19*	11-Jun-19	17-Apr-19	11-Jun-19					
Z3_4120	NAW-1_piling works for new NHA wall 5nr 1.5m bored	70	70	12-Jun-19	02-Sep-19	12-Jun-19	02-Sep-19					
Z3_4150	NAW-2_construct ELS & piling platform	42	42	17-Apr-19	11-Jun-19	17-Apr-19	11-Jun-19					
Z3_4160	NAW-2_piling works for new NHA wall 4nr 1.5m bored	56	56	12-Jun-19	16-Aug-19	12-Jun-19	16-Aug-19					
<b>MODIFICATION EXISTING PIER WALL OF N263</b>												
Z3_3870	SAW-1_piling works for new NHA wall 3nr 1.5m bored	42	42	06-Jun-19	26-Jul-19	04-May-19	24-Jun-19					
<b>MODIFICATION EXISTING SOUTH HOLLOW ABUTMENT WALL</b>												
Z3_3950	SHA_piling works for pier SHA6 nos. Socket H-pile	48	48	30-May-19	27-Jul-19	06-May-19	04-Jul-19					
<b>RETAINING WALL &amp; SUBWAY</b>												
<b>RETAINING WALL NO.1</b>												
Z3_4550	RW1_demolish existing retaining structure between B:	45	45	22-May-19	16-Jul-19	22-May-19	16-Jul-19					
<b>RETAINING WALL NO.6</b>												
Z3_1218_1000	RW6_ELS works for Bay 601 to Bay 608 (62m_2 side)	35	35	27-May-19	12-Jul-19	27-May-19	12-Jul-19					
Z3_1218_1010	RW6_base slab construction for Bay 601 to Bay 608	64	64	20-Jun-19	17-Sep-19	20-Jun-19	17-Sep-19					
Z3_1218_1040	RW6_soldier pile wall for Bay 609 to Bay 614 (53nr)	30	30	07-May-19	18-Jun-19	17-Apr-19	28-May-19					
<b>RETAINING WALL NO.7</b>												
Z3_1218_2040	RW7_soldier pile wall for Bay 701 to Bay 705 (62nr)	35	35	18-Jun-19	06-Aug-19	29-May-19	16-Jul-19					
<b>MODIFY EXISTING RETAINING WALL SR4</b>												
Z3_5070	SR4_ELS works for Bay SR401 to Bay SR405 (90m_1	25	25	28-Jun-19	29-Jul-19	29-May-19	28-Jun-19					
<b>MODIFY EXISTING SUBWAY NS30</b>												
Z3_5200	Re-align existing subway NS30	120	120	22-May-19	15-Oct-19	22-May-19	15-Oct-19					
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z4_1390	Construction Zone 4_Stage 1 Northbound structure	207	207	08-Jun-19	17-Feb-20	07-May-19	14-Jan-20					
Z4_1470	Construction Zone 4_NF66 Construction	243	243	15-Apr-19	10-Feb-20	14-Mar-19	08-Jan-20					
Z4_1480	Construction Zone 4_NF40 Construction	489	489	01-Apr-19	23-Nov-20	28-Feb-19	21-Oct-20					
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z4_1320	Zone 4_NB tree felling works	18	17	25-Jan-19 A	24-Apr-19	31-Jan-19	23-Feb-19					
Z4_1330	Zone 4_SB tree felling works	18	9	29-Mar-19 A	31-Jan-20	05-Dec-19	27-Dec-19					
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z4_1270	UU_CLP-abandoned 33kv cable for N4 CH2100-2350	36	36	24-Apr-19	08-Jun-19	20-Mar-19	06-May-19					
Z4_1280	UU_CATV-slew cable for N4 CH2190-2400 210m	25	25	08-May-19	08-Jun-19	02-Apr-19	06-May-19					
Z4_1290	UU_CLP-abandoned 33kv cable for N4&SE6 CH2150-	9	9	28-May-19	08-Jun-19	25-Apr-19	06-May-19					
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5	24-Apr-19	30-Apr-19	20-Mar-19	25-Mar-19					
Z4_1360	UU_Fresh watermain for N4 CH2150-2200 77m 600mm	40	40	08-Jun-19	26-Jul-19	07-May-19	24-Jun-19					

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Baseline Milestone
	Actual Work		Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)  
3 Months Rolling Programme (31/03/19)  
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Date	Revision	Checked	Appr...
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	DWP (AP5) Start	DWP (AP5) Finish	2019					
								Mar 9	Apr 10	May 11	Jun 12	Jul 13	
<b>PILE CAP AND FOOTING</b>													
<b>NORTHBOUND</b>													
Z4_1000	N4_ELS for footing construction N4-12 to N4-29 (231rr)	64	64	08-Jun-19	23-Aug-19	07-May-19	23-Jul-19						
<b>BRIDGE AND STRUCTURE WORKS</b>													
<b>MODIFICATION WORKS FOR NF40</b>													
NF40_1000	Construct temporary staircase	60	60	01-Apr-19	17-Jun-19	28-Feb-19	15-May-19						
NF40_1010	Demolish existing staircase & part of existing footing	45	45	18-Jun-19	09-Aug-19	16-May-19	09-Jul-19						
<b>MODIFICATION WORKS FOR NF66</b>													
NF66_1000	Piling for NF66 new support 12nr mini pile	48	48	15-Apr-19	15-Jun-19	14-Mar-19	16-May-19						
NF66_1010	Pile cap construction 2nr	60	60	17-Jun-19	26-Aug-19	16-May-19	27-Jul-19						
<b>WORK BETWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z5_1710	Zone 5_tree felling works	18	13	22-Jan-19 A	20-Nov-19	21-Sep-19	15-Oct-19						
<b>PORTION E (ZONE 5)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z5E_1140	Portion E_tree felling works	30	21	22-Jan-19 A	27-Jun-20	15-Apr-20	22-May-20						

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Baseline Milestone
	Actual Work		Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
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Date	Revision	Checked	Appr...
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP5 Start	AP5 Finish	2019						
								Apr 10	May 11	Jun 12	Jul 13	Aug 14		
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road</b>														
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>														
<b>GENERAL SUBMISSION</b>														
SUB1115	Survey of the Site	0	0	30-Apr-19*		28-Feb-19								
SUB1153	BIM Team	0	0	30-Apr-19*		28-Feb-19								
SUB1155	BIM Execution Plan	0	0	30-Apr-19*		28-Feb-19								
SUB1200	Hoarding Plan	0	0	30-Apr-19*		28-Feb-19								
SUB1305	Holding nursery for transplanted trees	0	0	13-Apr-19 A		28-Feb-19								
SUB1343	TCSS Configuration Management	0	0	30-Apr-19*		28-Feb-19								
SUB1347	Lift Installation - Design Data	0	0	30-Apr-19*		28-Feb-19								
SUB1403	ITPs for Lighting Luminaires and System	0	0	30-Apr-19*		28-Feb-19								
SUB1405	All Lighting Designs	0	0	30-Apr-19*		28-Feb-19								
SUB1410	Combined Services Drawings (CSD)	0	0	30-Apr-19*		28-Feb-19								
<b>DESIGN SUBMISSION</b>														
<b>STRUCTURE INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>														
DES1070	PM Consent for Construction	28	6	06-Nov-18 A	05-May-19	20-Feb-19	19-Mar-19							
DES1090	PM review & comment	28	5	07-Dec-18 A	04-May-19	05-Oct-18	01-Nov-18							
DES1100	Re-submit Alternative Design for Modification of Bridge N263 w/Design Certificate	23	23	06-May-19	29-May-19	06-Mar-19	28-Mar-19							
DES1110	PM Consent for Construction	28	28	29-May-19	25-Jun-19	29-Mar-19	25-Apr-19							
DES1140	Re-submit Alternative Design of Bridges SR2 & SR5, Slab Widening of SHA & Widening of Bridge N262	28	3	19-Feb-19 A	03-May-19	12-Mar-19	08-Apr-19							
DES1150	PM Consent for Construction	28	28	03-May-19	31-May-19	09-Apr-19	06-May-19							
<b>NOISE MITIGATION MEASURES</b>														
DES1180	Re-submit Foundation Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	22	4	24-Nov-18 A	04-May-19	29-Jan-19	19-Feb-19							
DES1190	PM Consent for Construction	28	28	04-May-19	01-Jun-19	08-Mar-19	02-Apr-19							
DES1230	PM Consent for Construction	28	14	02-Jan-19 A	13-May-19	31-Jan-19	27-Feb-19							
DES1240	Prepare & submit Foundation Design of Mitigation Measures in Zone 3 w/Design Certificate	21	4	26-Nov-18 A	04-May-19	31-Dec-18	20-Jan-19							
DES1250	PM review & comment	28	28	04-May-19	01-Jun-19	05-Mar-19	01-Apr-19							

 Remaining Level of Effort	 Remaining Work
 Actual Level of Effort	 Critical Remaining Work
 Primary Baseline	 Milestone
 Actual Work	 Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	APS Start	APS Finish	2019							
								Apr 10	May 11	Jun 12	Jul 13	Aug 14			
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23	02-Jun-19	25-Jun-19	03-Apr-19	25-Apr-19								
DES1270	PM Consent for Construction	28	28	25-Jun-19	23-Jul-19	25-Apr-19	23-May-19								
DES1280	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	21	3	14-Jan-19 A	07-May-19	05-Feb-19	25-Feb-19								
DES1290	PM review & comment	28	28	07-May-19	04-Jun-19	08-Mar-19	04-Apr-19								
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design Certificate	20	20	05-Jun-19	25-Jun-19	06-Apr-19	25-Apr-19								
DES1310	PM Consent for Construction	28	28	25-Jun-19	23-Jul-19	26-Apr-19	23-May-19								
DES1320	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	19	20-Mar-19 A	26-May-19	08-Mar-19	28-Mar-19								
DES1330	PM review & comment	28	28	26-May-19	23-Jun-19	29-Mar-19	25-Apr-19								
DES1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	24-Jun-19	15-Jul-19	27-Apr-19	17-May-19								
DES1350	PM Consent for Construction	28	28	15-Jul-19	12-Aug-19	18-May-19	14-Jun-19								
DES1360	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate	21	19	20-Mar-19 A	13-Jun-19	29-Mar-19	18-Apr-19								
DES1370	PM review & comment	28	28	14-Jun-19	11-Jul-19	19-Apr-19	16-May-19								
DES1380	Re-submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate	20	20	13-Jul-19	01-Aug-19	18-May-19	06-Jun-19								
<b>REMAINING WORK</b>															
DES1430	PM Consent for Construction	28	14	11-Jan-19 A	13-May-19	04-Mar-19	31-Mar-19								
DES1450	PM review & comment	28	0	02-Jan-19 A	12-Apr-19 A	31-Jan-19	27-Feb-19								
DES1460	Re-submit Foundation Design of Footbridge NF40 & NF66 w/Design Certificate	35	34	13-Apr-19 A	03-Jun-19	06-Mar-19	03-Apr-19								
DES1470	PM Consent for Construction	28	28	03-Jun-19	01-Jul-19	10-Apr-19	07-May-19								
DES1480	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign	21	5	26-Nov-18 A	04-May-19	31-Dec-18	20-Jan-19								
DES1490	PM review & comment	28	28	05-May-19	01-Jun-19	05-Mar-19	01-Apr-19								
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry	35	35	03-Jun-19	07-Jul-19	03-Apr-19	07-May-19								
DES1510	PM Consent for Construction	28	28	08-Jul-19	04-Aug-19	08-May-19	04-Jun-19								
DES1530	PM review & comment	28	1	02-Jan-19 A	30-Apr-19	31-Jan-19	27-Feb-19								
DES1540	Re-submit Design of Watermain & Irrigation System w/Design Certificate	32	1	02-Jan-19 A	30-Apr-19	02-Mar-19	02-Apr-19								
DES1550	PM Consent for Construction	28	28	21-Jan-19 A	28-May-19	03-Apr-19	30-Apr-19								
DES1560	Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	35	35	30-Apr-19	03-Jun-19	29-Feb-19	03-Apr-19								
DES1570	PM review & comment	28	28	04-Jun-19	01-Jul-19	04-Apr-19	01-May-19								
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	32	32	03-Jul-19	03-Aug-19	03-May-19	03-Jun-19								

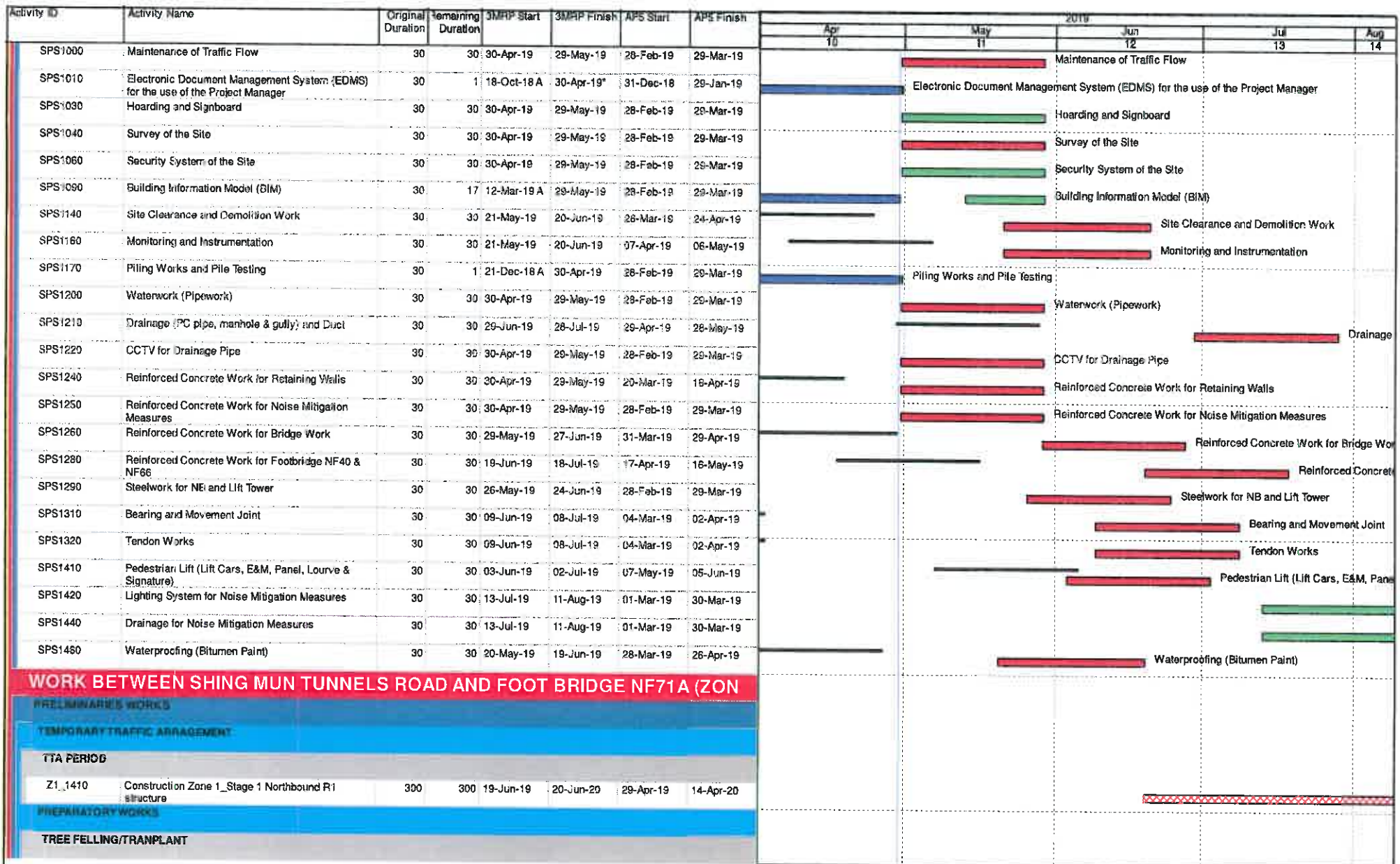
**SUBLETTING & PROCUREMENT SCHEDULE**

SUBLETTING

-  Remaining Level of Effort
-  Remaining Work
-  Actual Level of Effort
-  Critical Remaining Work
-  Primary Baseline
-  Milestone
-  Actual Work
-  Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	APS Start	APS Finish	2019						
								Apr 10	May 11	Jun 12	Jul 13	Aug 14		
Z1_1290	Zone 1_tree felling works	18	25	25-Jan-19 A	30-May-19	11-Mar-19	01-Apr-19							
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>														
Z1_1270	Zone 1-1_construct temporary road platform along Northbound for R1	60	60	19-Jun-19	28-Aug-19	08-Apr-19	05-Jun-19							
<b>WORK BETWEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA (ZONE 2)</b>														
<b>PRELIMINARY WORKS</b>														
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>														
<b>TTA PERIOD</b>														
Z2_1260	Construction Zone 2, Stage 1 Central Barrier structure	518	518	31-May-19	25-Feb-21	15-Apr-20	12-Aug-21							
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z2_1220	Zone 2_tree felling works	18	25	19-Feb-19 A	30-May-19	24-Jan-20	17-Feb-20							
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>														
Z2_1230	Zone 2-1_construct temporary road platform along Southbound	60	60	31-May-19	10-Aug-19	18-Feb-20	14-Apr-20							
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>														
<b>PRELIMINARY WORKS</b>														
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>														
<b>TTA PERIOD</b>														
Z3_3270	Construction period of Zone 3a_1	342	342	30-Apr-19	23-Jun-20	17-Apr-19	20-May-20							
Z3_3340	Construction period of Zone 3c_1	325	325	22-May-19	24-Jun-20	22-May-19	29-May-20							
Z3_3400	Construction period of Zone 3b_1	302	302	29-Jun-19	07-Jul-20	06-May-19	30-May-20							
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z3_2800	Zone 3_tree felling works	18	1	22-Jan-19 A	30-Apr-19	25-Feb-19	16-Mar-19							
<b>BRIDGE AND STRUCTURE WORKS</b>														
<b>PRELIMINARY WORKS</b>														
<b>UTILITIES DIVERSION</b>														
<b>NORTHBOUND</b>														
Z3_2910	UU_CLP-abandoned 11kv cable for RWS CH1675-1725 50m	13	13	30-Apr-19	16-May-19	01-Apr-19	16-Apr-19							
Z3_2920	UU_HKT-diversion cable for RW7 CH1630-2000 170m	34	34	18-May-19	27-Jun-19	13-Apr-19	28-May-19							
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22	01-Jun-19	27-Jun-19	02-May-19	28-May-19							

 Remaining Level of Effort	 Remaining Work
 Actual Level of Effort	 Critical Remaining Work
 Primary Baseline	 Milestone
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MHP Start	3MHP Finish	APE Start	APE Finish	2019							
								Apr 10	May 11	Jun 12	JUL 13	Aug 14			
Z3_3130	UU_Fresh watermain for SR4 178m 200mm	23	23	03-Jun-19	29-Jun-19	30-Apr-19	29-May-19								UU_Fresh watermain for SR4 178m 200mm
<b>SOUTHBOUND</b>															
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127	30-Apr-19	30-Sep-19	28-Feb-19	03-Aug-19								
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m	35	35	21-May-19	02-Jul-19	19-Mar-19	03-May-19								UU_CLP-abandoned 11kv cable for SR2 & N263
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m	51	51	30-Apr-19	02-Jul-19	28-Feb-19	03-May-19								UU_GAS-diversion LP pipe for SR2 & N263
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m	39	39	16-May-19	02-Jul-19	14-Mar-19	03-May-19								UU_HKT-diversion cable for SR2 & N263
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1925-1960 135m	38	38	17-May-19	02-Jul-19	15-Mar-19	03-May-19								UU_GAS-diversion LP pipe for N263
Z3_3120	UU_Fresh watermain for Staircase & N263 150PE	23	23	25-Jul-19	20-Aug-19	27-Jun-19	25-Jul-19								
<b>WIDENING FOR NORTH HOLLOW ABUTMENT (N264)</b>															
Z3_4200	C01_ELS & footing construction	45	45	06-May-19	28-Jun-19	05-Mar-19	02-May-19								C01_ELS & footing construction
Z3_4210	C01_column construction	40	40	29-Jun-19	15-Aug-19	02-May-19	20-Jun-19								
Z3_4220	N264_modification existing MTRC fencing for deck widening	60	60	06-May-19	17-Jul-19	05-Mar-19	21-May-19								N264_modification existing MTRC fencing
Z3_4240	N264_temporary protection MTRC cable	45	45	29-Jun-19	21-Aug-19	02-May-19	26-Jun-19								
<b>MODIFICATION OF BRIDGE NOS</b>															
<b>RECONSTRUCTION ABUTMENT WALL AT NHA</b>															
Z3_4100	Demolish part of existing NHA wall for construction new wall	60	60	30-Apr-19*	12-Jul-19	17-Apr-19	03-Jul-19								Demolish part of existing NHA wall
Z3_4110	NAW-1_construct ELS & piling platform	42	42	30-Apr-19*	20-Jun-19	17-Apr-19	11-Jun-19								NAW-1_construct ELS & piling platform
Z3_4120	NAW-1_piling works for new NHA wall 5nr 1.5m bored pile	70	70	29-Jun-19	21-Sep-19	12-Jun-19	02-Sep-19								
Z3_4150	NAW-2_construct ELS & piling platform	42	42	30-Apr-19	20-Jun-19	17-Apr-19	11-Jun-19								NAW-2_construct ELS & piling platform
Z3_4160	NAW-2_piling works for new NHA wall 4nr 1.5m bored pile	56	56	29-Jun-19	04-Sep-19	12-Jun-19	16-Aug-19								
<b>MODIFICATION EXISTING PIER WALL OF N263</b>															
Z3_3870	SAW-1_piling works for new NHA wall 3nr 1.5m bored pile	42	42	03-Jul-19	20-Aug-19	04-May-19	24-Jun-19								
<b>MODIFICATION EXISTING SOUTH HOLLOW ABUTMENT WALL</b>															
Z3_3950	SHA_piling works for pier SHA 6 nos. Socket H-pile	48	48	29-Jun-19	26-Aug-19	06-May-19	04-Jul-19								
<b>RETAINING WALL &amp; SUBWAY</b>															
<b>RETAINING WALL NO.1</b>															
Z3_4550	RW1_demolish existing retaining structure between Bay 101 and Bay 104	45	45	22-May-19	16-Jul-19	22-May-19	16-Jul-19								RW1_demolish existing retaining structure
Z3_4600	RW1_demolish existing retaining structure between Bay 105 and Bay 107	45	45	16-Jul-19	09-Sep-19	16-Jul-19	08-Sep-19								
<b>RETAINING WALL NO.6</b>															
Z3_1218_1000	RW6_ELS works for Bay 601 to Bay 608 (62m_2 side)	35	35	04-Jun-19	22-Jul-19	27-May-19	12-Jul-19								RW6_ELS works for Bay 601 to Bay 608

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP5 Start	AP5 Finish	2019					
								Apr 10	May 11	Jun 12	Jul 13	Aug 14	
Z3_1218_1010	RW6_base slab construction for Bay 601 to Bay 608	64	64	28-Jun-19	25-Sep-19	20-Jun-19	17-Sep-19						
Z3_1218_1020	RW6_retaining wall construction for Bay 601 to Bay 608	96	96	22-Jul-19	02-Dec-19	12-Jul-19	22-Nov-19						
Z3_1218_1040	RW6_soldier pile wall for Bay 609 to Bay 614 (53nr)	30	30	17-May-19	27-Jun-19	17-Apr-19	28-May-19						
<b>RETAINING WALL NO.7</b>													
Z3_1218_2040	RW7_soldier pile wall for Bay 701 to Bay 705 (62nr)	35	35	28-Jun-19	15-Aug-19	29-May-19	16-Jul-19						
Z3_1218_2050	RW7_base slab construction for Bay 701 & Bay 704	32	32	19-Jul-19	02-Sep-19	19-Jun-19	01-Aug-19						
<b>MODIFY EXISTING RETAINING WALL SR4</b>													
Z3_5070	SR4_ELS works for Bay SR401 to Bay SR405 (90m_1 side)	25	25	02-Jul-19	30-Jul-19	29-May-19	28-Jun-19						
Z3_5080	SR4_base slab construction for Bay SR401 to Bay SR405	40	40	02-Jul-19	16-Aug-19	29-May-19	17-Jul-19						
Z3_5090	SR4_retaining wall construction for Bay SR401 to SR405	60	60	25-Jul-19	04-Oct-19	22-Jun-19	02-Sep-19						
<b>MODIFY EXISTING SUBWAY NS30</b>													
Z3_5200	Re-align existing subway NS30	120	120	22-May-19	15-Oct-19	22-May-19	15-Oct-19						
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>													
<b>TTA PERIOD</b>													
Z4_1390	Construction Zone 4_Stage 1 Northbound structure	207	207	20-Jun-19	28-Feb-20	07-May-19	14-Jan-20						
Z4_1470	Construction Zone 4_NF66 Construction	220	220	18-May-19	12-Feb-20	14-Mar-19	08-Jan-20						
Z4_1480	Construction Zone 4_NF40 Construction	489	489	30-Apr-19	17-Dec-20	28-Feb-19	21-Oct-20						
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z4_1320	Zone 4_NB tree felling works	18	18	25-Jan-19 A	21-May-19	31-Jan-19	23-Feb-19						
Z4_1330	Zone 4_SB tree felling works	18	0	29-Mar-19 A	29-Apr-19 A	05-Dec-19	27-Dec-19						
<b>UTILITIES DIVERSION</b>													
<b>NORTHBOUND</b>													
Z4_1270	UU_GLP-abandoned 33kv cable for N4 CH2100-2350 250m (Abandoned)	0	0	20-Jun-19	20-Jun-19	20-Mar-19	06-May-19						
Z4_1280	UU_CATV-slew cable for N4 CH2190-2400 210m	25	25	21-May-19	20-Jun-19	02-Apr-19	06-May-19						
Z4_1290	UU_GLP-abandoned 33kv cable for N4&SE6 CH2150-2160 20m (Abandoned)	0	0	20-Jun-19	20-Jun-19	25-Apr-19	06-May-19						
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5	21-May-19	27-May-19	20-Mar-19	25-Mar-19						
Z4_1360	UU_Fresh watermain for N4 CH2150-2200 77m 800mm	40	40	20-Jun-19	07-Aug-19	07-May-19	24-Jun-19						

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP5 Start	AP5 Finish	2019					
								Apr 10	May 11	Jun 12	Jul 13	Aug 14	
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>													
<b>PILE CAP AND FOOTING</b>													
<b>NORTHBOUND</b>													
Z4_1000	N4_ELS for footing construction N4-12 to N4-29 (231m_2 side)	64	64	20-Jun-19	04-Sep-19	07-May-19	23-Jul-19						
Z4_1010	N4_footing construction N4-12 to N4-29 (18nr)	126	126	19-Jul-19	17-Dec-19	06-Jun-19	04-Nov-19						
<b>BRIDGE AND STRUCTURE WORKS</b>													
<b>MODIFICATION WORKS FOR NF40</b>													
NF40_1000	Construct temporary staircase	80	60	30-Apr-19	12-Jul-19	28-Feb-19	15-May-19						
NF40_1010	Demolish existing staircase & part of existing footing	45	45	13-Jul-19	03-Sep-19	16-May-19	09-Jul-19						
<b>MODIFICATION WORKS FOR NF66</b>													
NF66_1000	ELS & 1st stage pile cap construction (CSD)	50	50	18-May-19	18-Jul-19	14-Mar-19	16-May-19						
NF66_1010	Pile cap construction (CSD)	35	35	18-Jul-19	28-Aug-19	16-May-19	27-Jul-19						
<b>WORK BETWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)</b>													
<b>PRELIMINARY WORKS</b>													
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z5_1710	Zone 5_tree felling works	18	10	22-Jan-19 A	02-Dec-19	21-Sep-19	15-Oct-19						
<b>PORTION E (ZONE 5)</b>													
<b>PRELIMINARY WORKS</b>													
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z5E_1140	Portion E_tree felling works	30	18	22-Jan-19 A	10-Jul-20	15-Apr-20	22-May-20						

 Remaining Level of Effort	 Remaining Work
 Actual Level of Effort	 Critical Remaining Work
 Primary Baseline	 Milestone
 Actual Work	 Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP5 Start	AP5 Finish	2019				
								May 11	Jun 12	Jul 13	Aug 14	Sep 15
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Roa</b>												
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>												
<b>GENERAL SUBMISSION</b>												
SUB1115	Survey of the Site	0	0	31-May-19*		31-Mar-19						
SUB1153	BIM Team	0	0	31-May-19*		31-Mar-19						
SUB1155	BIM Execution Plan	0	0	31-May-19*		31-Mar-19						
SUB1200	Hoarding Plan	0	0	31-May-19*		31-Mar-19						
SUB1343	TCSS Configuration Management	0	0	31-May-19*		31-Mar-19						
SUB1347	Lift Installation - Design Data	0	0	31-May-19*		31-Mar-19						
SUB1403	ITP's for Lighting Luminaires and System	0	0	31-May-19*		31-Mar-19						
SUB1405	All Lighting Designs	0	0	31-May-19*		31-Mar-19						
SUB1410	Combined Services Drawings (CSD)	0	0	31-May-19*		31-Mar-19						
<b>DESIGN SUBMISSION</b>												
<b>STRICH INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>												
DES1070	PM Consent for Construction	28	3	06-Nov-18 A	02-Jun-19	20-Feb-19	19-Mar-19					
DES1090	PM review & comment	28	3	07-Dec-18 A	02-Jun-19	05-Oct-18	01-Nov-18					
DES1110	PM Consent for Construction	28	28	03-Jun-19	01-Jul-19	29-Apr-19	26-May-19					
DES1140	Re-submit Alternative Design of Bridges SR2 & SR5, Slab Widening of SHA & Widening of Bridge N262	28	3	19-Feb-19 A	02-Jun-19	12-Apr-19	09-May-19					
DES1150	PM Consent for Construction	28	28	02-Jun-19	30-Jun-19	22-Apr-19	20-May-19					
<b>NOISE MITIGATION MEASURES</b>												
DES1180	Re-submit Foundation Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	22	2	24-Nov-18 A	02-Jun-19	29-Jan-19	19-Feb-19					
DES1190	PM Consent for Construction	28	28	02-Jun-19	30-Jun-19	04-Apr-19	02-May-19					
DES1230	PM Consent for Construction	28	11	02-Jan-19 A	11-Jun-19	31-Jan-19	27-Feb-19					
DES1240	Prepare & submit Foundation Design of Mitigation Measures in Zone 3 w/Design Certificate	21	4	26-Nov-18 A	04-Jun-19	31-Dec-18	20-Jan-19					
DES1250	PM review & comment	28	28	04-Jun-19	02-Jul-19	05-Apr-19	02-May-19					
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23	03-Jul-19	26-Jul-19	04-May-19	26-May-19					

	Remaining Level of Effort		Remaining Work
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	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/05/19)**  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	APE Start	APE Finish	2019						
								May	Jun	Jul	Aug	Sep		
								11	12	13	14	15		
DES1270	PM Consent for Construction	28	28	26-Jul-19	23-Aug-19	27-May-19	23-Jun-19							
DES1280	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design	21	2	14-Jan-19 A	06-Jun-19	05-Feb-19	25-Feb-19							
DES1290	PM review & comment	28	28	06-Jun-19	04-Jul-19	08-Apr-19	05-May-19							
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design	20	20	05-Jul-19	25-Jul-19	07-May-19	26-May-19							
DES1310	PM Consent for Construction	28	28	25-Jul-19	22-Aug-19	27-May-19	23-Jun-19							
DES1320	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	17	20-Mar-19 A	23-Jun-19	08-Apr-19	28-Apr-19							
DES1330	PM review & comment	28	28	23-Jun-19	21-Jul-19	26-Apr-19	24-May-19							
DES1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	22-Jul-19	12-Aug-19	25-May-19	15-Jun-19							
DES1350	PM Consent for Construction	28	28	12-Aug-19	09-Sep-19	15-Jun-19	13-Jul-19							
DES1360	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design	21	17	20-Mar-19 A	09-Jul-19	26-Apr-19	17-May-19							
DES1370	PM review & comment	28	28	09-Jul-19	06-Aug-19	15-May-19	12-Jun-19							
DES1380	Re-submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design	20	20	07-Aug-19	27-Aug-19	13-Jun-19	03-Jul-19							
DES1390	PM Consent for Construction	28	28	27-Aug-19	24-Sep-19	03-Jul-19	31-Jul-19							
<b>REMAINING WORKS</b>														
DES1430	PM Consent for Construction	28	11	11-Jan-19 A	11-Jun-19	04-Mar-19	31-Mar-19							
DES1460	Re-submit Foundation Design of Footbridge NF40 & NF66 w/Design Certificate	35	32	13-Apr-19 A	01-Jul-19	06-Apr-19	10-May-19							
DES1470	PM Consent for Construction	28	28	01-Jul-19	29-Jul-19	11-May-19	07-Jun-19							
DES1480	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign	21	5	26-Nov-18 A	04-Jun-19	31-Dec-18	20-Jan-19							
DES1490	PM review & comment	28	28	05-Jun-19	02-Jul-19	05-Apr-19	02-May-19							
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry	35	35	04-Jul-19	07-Aug-19	04-May-19	07-Jun-19							
DES1510	PM Consent for Construction	28	28	08-Aug-19	04-Sep-19	08-Jun-19	05-Jul-19							
DES1530	PM review & comment	28	1	02-Jan-19 A	31-May-19	31-Jan-19	27-Feb-19							
DES1540	Re-submit Design of Watermain & Irrigation System w/Design Certificate	32	1	02-Jan-19 A	31-May-19	02-Apr-19	03-May-19							
DES1550	PM Consent for Construction	28	28	21-Jan-19 A	28-Jun-19	04-May-19	31-May-19							
DES1560	Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	35	35	31-May-19	04-Jul-19	31-Mar-19	04-May-19							
DES1570	PM review & comment	28	28	05-Jul-19	01-Aug-19	05-May-19	01-Jun-19							
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	32	32	03-Aug-19	03-Sep-19	03-Jun-19	04-Jul-19							
<b>SUBLETTING &amp; PROCUREMENT SCHEDULE</b>														
<b>SUBLETTING</b>														
SPS1000	Maintenance of Traffic Flow	30	30	31-May-19	29-Jun-19	31-Mar-19	29-Apr-19							

-  Remaining Level of Effort
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	APE Start	APE Finish	2019				
								May 11	Jun 12	Jul 13	Aug 14	Sep 15
SPS1010	Electronic Document Management System (EDMS) for the use of the Project Manager	30	1	18-Oct-18 A	31-May-19*	31-Dec-18	29-Jan-19	Electronic Document Management System (EDMS) for the use of the Project Manager				
SPS1030	Hoarding and Signboard	30	30	31-May-19	29-Jun-19	31-Mar-19	29-Apr-19	Hoarding and Signboard				
SPS1040	Survey of the Site	30	30	31-May-19	29-Jun-19	31-Mar-19	29-Apr-19	Survey of the Site				
SPS1060	Security System of the Site	30	30	31-May-19	29-Jun-19	31-Mar-19	29-Apr-19	Security System of the Site				
SPS1090	Building Information Model (BIM)	30	17	12-Mar-19 A	29-Jun-19	31-Mar-19	29-Apr-19	Building Information Model (BIM)				
SPS1140	Site Clearance and Demolition Work	30	30	20-Jun-19	20-Jul-19	07-Apr-19	06-May-19	Site Clearance and Demolition Work				
SPS1160	Monitoring and Instrumentation	30	30	20-Jun-19	20-Jul-19	07-Apr-19	06-May-19	Monitoring and Instrumentation				
SPS1170	Piling Works and Pile Testing	30	1	21-Dec-18 A	31-May-19	28-Feb-19	29-Mar-19	Piling Works and Pile Testing				
SPS1200	Waterwork (Pipework)	30	30	31-May-19	29-Jun-19	31-Mar-19	29-Apr-19	Waterwork (Pipework)				
SPS1210	Drainage (PC pipe, manhole & gully) and Duct	30	30	30-Jul-19	28-Aug-19	31-May-19	29-Jun-19	Drainage				
SPS1220	CCTV for Drainage Pipe	30	30	31-May-19	29-Jun-19	01-Apr-19	30-Apr-19	CCTV for Drainage Pipe				
SPS1240	Reinforced Concrete Work for Retaining Walls	30	30	31-May-19	29-Jun-19	31-Mar-19	29-Apr-19	Reinforced Concrete Work for Retaining Walls				
SPS1250	Reinforced Concrete Work for Noise Mitigation Measures	30	30	31-May-19	29-Jun-19	31-Mar-19	29-Apr-19	Reinforced Concrete Work for Noise Mitigation Measures				
SPS1260	Reinforced Concrete Work for Bridge Work	30	30	27-Jun-19	27-Jul-19	28-Apr-19	28-May-19	Reinforced Concrete Work for Bridge Work				
SPS1280	Reinforced Concrete Work for Footbridge NF40 & NF66	30	30	17-Jul-19	16-Aug-19	23-May-19	22-Jun-19	Reinforced Concrete Work for Footbridge NF40 & NF66				
SPS1290	Steelwork for NB and Lift Tower	30	30	26-Jun-19	25-Jul-19	24-Apr-19	23-May-19	Steelwork for NB and Lift Tower				
SPS1310	Bearing and Movement Joint	30	30	06-Jul-19	04-Aug-19	01-May-19	31-May-19	Bearing and Movement Joint				
SPS1320	Tendon Works	30	30	06-Jul-19	04-Aug-19	01-May-19	31-May-19	Tendon Works				
SPS1410	Pedestrian Lift (Lift Cars, E&M, Panel, Louvre & Signature)	30	30	09-Jul-19	07-Aug-19	02-May-19	31-May-19	Pedestrian Lift (Lift Cars, E&M, Panel, Louvre & Signature)				
SPS1420	Lighting System for Noise Mitigation Measures	30	30	03-Aug-19	01-Sep-19	12-Jul-19	10-Aug-19	Lighting System for Noise Mitigation Measures				
SPS1440	Drainage for Noise Mitigation Measures	30	30	03-Aug-19	01-Sep-19	12-Jul-19	10-Aug-19	Drainage for Noise Mitigation Measures				
SPS1460	Waterproofing (Bitumen Paint)	30	30	18-Jun-19	18-Jul-19	06-Apr-19	05-May-19	Waterproofing (Bitumen Paint)				
<b>WORK BETWEEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71A (ZON)</b>												
PRELIMINARY WORKS												
TEMPORARY TRAFFIC ARRANGEMENT												
TTA PERIOD												
Z1_1410	Construction Zone 1_Stage 1 Northbound R1 structure	300	300	11-Jul-19	14-Jul-20	19-Jun-19	20-Jun-20					
PREPARATORY WORKS												
TREE FELLING/TRANPLANT												
Z1_1290	Zone 1_tree felling works	18	19	25-Jan-19 A	22-Jun-19	11-Mar-19	01-Apr-19	Zone 1_tree felling works				

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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								May 11	Jun 12	Jul 13	Aug 14	Sep 15
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>												
Z1_1270	Zone 1-1_construct temporary road platform along Northbound for R1	60	60	11-Jul-19	19-Sep-19	19-Jun-19	28-Aug-19					
<b>UTILITIES DIVERSION</b>												
<b>CENTRAL BARRIER</b>												
Z1_1300	UU_CLP-abandoned 33kv cable for RSE1 CH1190-1300 110m	20	20	23-Aug-19	16-Sep-19	02-Aug-19	24-Aug-19					
<b>WORK BETWEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA (ZONE 2)</b>												
<b>PRELIMINARY WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z2_1260	Construction Zone 2_Stage 1 Central Barrier structure	518	518	22-Jun-19	18-Mar-21	31-May-19	25-Feb-21					
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z2_1220	Zone 2_tree felling works	18	18	19-Feb-19 A	21-Jun-19	24-Jan-20	17-Feb-20					
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>												
Z2_1230	Zone 2-1_construct temporary road platform along Southbound	60	60	22-Jun-19	31-Aug-19	31-May-19	10-Aug-19					
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>												
<b>PRELIMINARY WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z3_3270	Construction period of Zone 3a_1	341	341	31-May-19	23-Jul-20	17-Apr-19	20-May-20					
Z3_3340	Construction period of Zone 3c_1	340	340	31-May-19	22-Jul-20	22-May-19	30-May-20					
Z3_3400	Construction period of Zone 3b_1	300	300	30-Jul-19	03-Aug-20	30-May-19	30-May-20					
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z3_2900	Zone 3_tree felling works	18	1	22-Jan-19 A	31-May-19	25-Feb-19	16-Mar-19					
<b>BRIDGE AND STRUCTURE WORKS</b>												
<b>PRELIMINARY WORKS</b>												
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m	13	13	31-May-19	15-Jun-19	03-Apr-19	18-Apr-19					

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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	APE Start	APE Finish	2019						
								May 11	Jun 12	Jul 13	Aug 14	Sep 15		
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34	18-Jun-19	27-Jul-19	16-Apr-19	31-May-19							
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22	03-Jul-19	27-Jul-19	04-May-19	31-May-19							
Z3_3130	UU_Fresh watermain for SR4 178m 200mm	23	23	03-Jul-19	30-Jul-19	03-May-19	31-May-19							
<b>SOUTHBOUND</b>														
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127	31-May-19	31-Oct-19	01-Apr-19	04-Sep-19							
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m	35	35	20-Jun-19	31-Jul-19	24-Apr-19	05-Jun-19							
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m	51	51	31-May-19	31-Jul-19	01-Apr-19	05-Jun-19							
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m	39	39	15-Jun-19	31-Jul-19	16-Apr-19	05-Jun-19							
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1825-1960 135m	38	38	17-Jun-19	31-Jul-19	17-Apr-19	05-Jun-19							
Z3_3120	UU_Fresh watermain for Staircase & N263 150PE	23	23	23-Aug-19	19-Sep-19	29-Jun-19	26-Jul-19							
<b>WIDENING FOR NORTH HOLLOW ABUTMENT (N264)</b>														
Z3_4200	C01_ELS & footing construction	45	45	03-Jun-19	26-Jul-19	05-Apr-19	04-Jun-19							
Z3_4210	C01_column construction	40	40	27-Jul-19	11-Sep-19	04-Jun-19	23-Jul-19							
Z3_4220	N264_modification existing MTRC fencing for deck widening	60	60	03-Jun-19	13-Aug-19	05-Apr-19	22-Jun-19							
Z3_4240	N264_temporary protection MTRC cable	45	45	27-Jul-19	18-Sep-19	04-Jun-19	29-Jul-19							
<b>MODIFICATION OF BRIDGE N263</b>														
<b>RECONSTRUCTION ABUTMENT WALL AT NHA</b>														
Z3_4100	Demolish part of existing NHA wall for construction new wall	60	60	31-May-19*	10-Aug-19	17-Apr-19	03-Jul-19							
Z3_4110	NAW-1_construct ELS & piling platform	42	42	31-May-19*	20-Jul-19	17-Apr-19	11-Jun-19							
Z3_4120	NAW-1_piling works for new NHA wall 5nr 1.5m bored pile	70	70	30-Jul-19	23-Oct-19	12-Jun-19	02-Sep-19							
Z3_4150	NAW-2_construct ELS & piling platform	42	42	31-May-19	20-Jul-19	17-Apr-19	11-Jun-19							
Z3_4160	NAW-2_piling works for new NHA wall 4nr 1.5m bored pile	56	56	30-Jul-19	05-Oct-19	12-Jun-19	16-Aug-19							
<b>MODIFICATION EXISTING PIER WALL OF N263</b>														
Z3_3870	SAW-1_piling works for new NHA wall 3nr 1.5m bored pile	42	42	01-Aug-19	19-Sep-19	06-Jun-19	26-Jul-19							
<b>MODIFICATION EXISTING SOUTH HOLLOW ABUTMENT WALL</b>														
Z3_3950	SHA_piling works for pier SHA 6 nos. Socket H-pile	48	48	30-Jul-19	25-Sep-19	30-May-19	27-Jul-19							
<b>RETAINING WALL &amp; SUBWAY</b>														
<b>RETAINING WALL NO.1</b>														
Z3_4550	RW1_demolish existing retaining structure between Bay 101 and Bay 104	45	45	31-May-19	24-Jul-19	22-May-19	16-Jul-19							
Z3_4600	RW1_demolish existing retaining structure between Bay 105 and Bay 107	45	45	25-Jul-19	16-Sep-19	16-Jul-19	06-Sep-19							

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (31/05/19)**

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Date	Revision	Check...	Approved
08-Jun-19	3MRP DWP 1905	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	APE Start	APE Finish	2019					
								May 11	Jun 12	Jul 13	Aug 14	Sep 15	
<b>RETAINING WALL NO.6</b>													
Z3_1218_1000	RW6_ELS works for Bay 601 to Bay 608 (62m_2 side)	35	35	05-Jul-19	22-Aug-19	27-May-19	12-Jul-19						
Z3_1218_1010	RW6_base slab construction for Bay 601 to Bay 608	64	64	31-Jul-19	28-Oct-19	20-Jun-19	17-Sep-19						
Z3_1218_1020	RW6_retaining wall construction for Bay 601 to Bay 608	96	96	22-Aug-19	02-Jan-20	12-Jul-19	22-Nov-19						
Z3_1218_1040	RW6_soldier pile wall for Bay 609 to Bay 614 (53nr)	30	30	17-Jun-19	26-Jul-19	19-Apr-19	31-May-19						
<b>RETAINING WALL NO.7</b>													
Z3_1218_2040	RW7_soldier pile wall for Bay 701 to Bay 705 (62nr)	35	35	29-Jul-19	19-Sep-19	31-May-19	19-Jul-19						
Z3_1218_2050	RW7_base slab construction for Bay 701 & Bay 704	32	32	19-Aug-19	01-Oct-19	21-Jun-19	06-Aug-19						
<b>MODIFY EXISTING RETAINING WALL SR4</b>													
Z3_5070	SR4_ELS works for Bay SR401 to Bay SR405 (90m_1 side)	25	25	30-Jul-19	28-Aug-19	31-May-19	02-Jul-19						
Z3_5080	SR4_base slab construction for Bay SR401 to Bay SR405	40	40	30-Jul-19	16-Sep-19	31-May-19	19-Jul-19						
Z3_5090	SR4_retaining wall construction for Bay SR401 to SR405	60	60	22-Aug-19	04-Nov-19	25-Jun-19	04-Sep-19						
Z3_5110	SR4_ELS works for Bay SR406 to Bay SR409 (80m_1 side)	22	22	28-Aug-19	24-Sep-19	02-Jul-19	27-Jul-19						
<b>MODIFY EXISTING SUBWAY NS30</b>													
Z3_5200	Re-align existing subway NS30	120	120	31-May-19	23-Oct-19	22-May-19	15-Oct-19						
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>													
<b>PRELIMINARY WORKS</b>													
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>													
<b>TTA PERIOD</b>													
Z4_1390	Construction Zone 4_Stage 1 Northbound structure	207	207	20-Jul-19	27-Mar-20	07-May-19	14-Jan-20						
Z4_1470	Construction Zone 4_NF66 Construction	220	220	18-Jun-19	12-Mar-20	18-Apr-19	15-Jan-20						
Z4_1480	Construction Zone 4_NF40 Construction	489	489	31-May-19	19-Jan-21	01-Apr-19	23-Nov-20						
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z4_1320	Zone 4_NB tree felling works	18	18	25-Jan-19A	20-Jun-19	31-Jan-19	23-Feb-19						
<b>UTILITIES DIVERSION</b>													
<b>NORTHBOUND</b>													
Z4_1270	UU_CLP-abandoned 33kv cable for N4 CH2100-2350 250m (Abandoned)	0	0	20-Jul-19	20-Jul-19	07-May-19	07-May-19						
Z4_1280	UU_CATV-slew cable for N4 CH2190-2400 210m	25	25	20-Jun-19	20-Jul-19	02-Apr-19	06-May-19						
Z4_1290	UU_CLP-abandoned 33kv cable for N4&SE6 CH2150-2160 20m (Abandoned)	0	0	20-Jul-19	20-Jul-19	07-May-19	07-May-19						

-  Remaining Level of Effort
-  Remaining Work
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-  Milestone
-  Actual Work
-  Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/05/19)**  
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Date	Revision	Check...	Approved
08-Jun-19	3MRP DWP 1905	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	APE Start	APE Finish	2019						
								May 11	Jun 12	Jul 13	Aug 14	Sep 15		
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5	20-Jun-19	26-Jun-19	02-Apr-19	08-Apr-19							
Z4_1360	UU_Fresh watermain for N4 CH2150-2200 77m 600mm	40	40	20-Jul-19	05-Sep-19	07-May-19	24-Jun-19							
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>														
<b>PILE CAP AND FOOTING</b>														
<b>NORTHBOUND</b>														
Z4_1000	N4_ELS for footing construction N4-12 to N4-29 (231m_2 side)	64	64	20-Jul-19	05-Oct-19	07-May-19	23-Jul-19							
Z4_1010	N4_footing construction N4-12 to N4-29 (18m)	126	126	17-Aug-19	18-Jan-20	05-Jun-19	04-Nov-19							
<b>BRIDGE AND STRUCTURE WORKS</b>														
<b>MODIFICATION WORKS FOR NF66</b>														
NF40_1000	Construct temporary staircase	60	60	31-May-19	10-Aug-19	01-Apr-19	17-Jun-19							
NF40_1010	Demolish existing staircase & part of existing footing	45	45	12-Aug-19	04-Oct-19	18-Jun-19	09-Aug-19							
<b>MODIFICATION WORKS FOR NF66</b>														
NF66_1000	ELS & 1st stage pile cap construction (CSD)	50	50	18-Jun-19	16-Aug-19	18-Apr-19	22-Jun-19							
NF66_1010	Pile cap construction (CSD)	35	35	16-Aug-19	27-Sep-19	22-Jun-19	03-Aug-19							
<b>WORK BETWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)</b>														
<b>PRELIMINARY WORKS</b>														
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z5_1710	Zone 5_tree felling works	18	7	22-Jan-19 A	02-Jan-20	21-Sep-19	15-Oct-19							
<b>PORTION E (ZONE 5)</b>														
<b>PRELIMINARY WORKS</b>														
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z5E_1140	Portion E_tree felling works	30	13	22-Jan-19 A	07-Aug-20	15-Apr-20	22-May-20							

	Remaining Level of Effort		Remaining Work
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	Primary Baseline		Milestone
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/05/19)**  
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Date	Revision	Check...	Approved
08-Jun-19	3MRP DWP 1905	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								Jun 12	Jul 13	Aug 14	Sep 15	Oct 16
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Roa</b>												
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>												
<b>GENERAL SUBMISSION</b>												
SUB1115	Survey of the Site	0	0	30-Jun-19*		31-Mar-19						
SUB1153	BIM Team	0	0	30-Jun-19*		31-Mar-19						
SUB1155	BIM Execution Plan	0	0	30-Jun-19*		31-Mar-19						
SUB1200	Hoarding Plan	0	0	30-Jun-19*		31-Mar-19						
SUB1343	TCSS Configuration Management	0	0	30-Jun-19*		31-Mar-19						
SUB1347	Lift Installation - Design Data	0	0	30-Jun-19*		31-Mar-19						
SUB1403	ITP's for Lighting Luminaires and System	0	0	30-Jun-19*		31-Mar-19						
SUB1405	All Lighting Designs	0	0	30-Jun-19*		31-Mar-19						
SUB1410	Combined Services Drawings (CSD)	0	0	30-Jun-19*		31-Mar-19						
<b>DESIGN SUBMISSION</b>												
<b>STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>												
DES1070	PM Consent for Construction	28	2	06-Nov-18 A	01-Jul-19	20-Feb-19	19-Mar-19					
DES1090	PM review & comment	28	2	07-Dec-18 A	01-Jul-19	05-Oct-18	01-Nov-18					
DES1110	PM Consent for Construction	28	28	02-Jul-19	30-Jul-19	29-Apr-19	26-May-19					
DES1140	Re-submit Alternative Design of Bridges SR2 & SR5, Slab Widening of SHA & Widening of Bridge N262	28	2	19-Feb-19 A	01-Jul-19	12-Apr-19	09-May-19					
DES1150	PM Consent for Construction	28	28	01-Jul-19	29-Jul-19	22-Apr-19	20-May-19					
<b>NOISE MITIGATION MEASURES</b>												
DES1180	Re-submit Foundation Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	22	2	24-Nov-18 A	02-Jul-19	29-Jan-19	19-Feb-19					
DES1190	PM Consent for Construction	28	28	02-Jul-19	30-Jul-19	04-Apr-19	02-May-19					
DES1230	PM Consent for Construction	28	10	02-Jan-19 A	09-Jul-19	31-Jan-19	27-Feb-19					
DES1240	Prepare & submit Foundation Design of Mitigation Measures in Zone 3 w/Design Certificate	21	2	26-Nov-18 A	02-Jul-19	31-Dec-18	20-Jan-19					
DES1250	PM review & comment	28	28	02-Jul-19	30-Jul-19	05-Apr-19	02-May-19					
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23	31-Jul-19	23-Aug-19	04-May-19	26-May-19					

	Remaining Level of Effort		Remaining Work
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (30/06/19)**

Date	Revision	Check...	Approved
08-Jul-19	3MRP DWP 1906	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					
								Jun 12	Jul 13	Aug 14	Sep 15	Oct 16	
DES1270	PM Consent for Construction	28	28	23-Aug-19	20-Sep-19	27-May-19	23-Jun-19						PM Consent for Co
DES1280	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design	21	1	14-Jan-19 A	03-Jul-19	05-Feb-19	25-Feb-19						Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certific
DES1290	PM review & comment	28	28	03-Jul-19	31-Jul-19	08-Apr-19	05-May-19						PM review & comment
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design	20	20	01-Aug-19	21-Aug-19	07-May-19	26-May-19						Re-submit Superstructure Design of Noise Mitigati
DES1310	PM Consent for Construction	28	28	21-Aug-19	18-Sep-19	27-May-19	23-Jun-19						PM Consent for Con
DES1320	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	16	20-Mar-19 A	19-Jul-19	08-Apr-19	28-Apr-19						Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/De
DES1330	PM review & comment	28	28	19-Jul-19	16-Aug-19	26-Apr-19	24-May-19						PM review & comment
DES1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	17-Aug-19	07-Sep-19	25-May-19	15-Jun-19						Re-submit Superstructure Desig
DES1350	PM Consent for Construction	28	28	07-Sep-19	05-Oct-19	15-Jun-19	13-Jul-19						PM
DES1360	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design	21	16	20-Mar-19 A	04-Aug-19	26-Apr-19	17-May-19						Prepare & submit Superstructure Design of Noise Mitigation Measure
DES1370	PM review & comment	28	28	04-Aug-19	01-Sep-19	15-May-19	12-Jun-19						PM review & comment
DES1380	Re-submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design	20	20	02-Sep-19	22-Sep-19	13-Jun-19	03-Jul-19						Re-submit Supe
DES1390	PM Consent for Construction	28	28	22-Sep-19	20-Oct-19	03-Jul-19	31-Jul-19						
<b>REMAINING WORKS</b>													
DES1430	PM Consent for Construction	28	11	11-Jan-19 A	11-Jul-19	04-Mar-19	31-Mar-19						PM Consent for Construction
DES1460	Re-submit Foundation Design of Footbridge NF40 & NF66 w/Design Certificate	35	30	13-Apr-19 A	29-Jul-19	06-Apr-19	10-May-19						Re-submit Foundation Design of Footbridge NF40 & NF66 w/Design Certific
DES1470	PM Consent for Construction	28	28	29-Jul-19	26-Aug-19	11-May-19	07-Jun-19						PM Consent for Construction
DES1480	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign	21	5	26-Nov-18 A	04-Jul-19	31-Dec-18	20-Jan-19						Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sig
DES1490	PM review & comment	28	28	05-Jul-19	01-Aug-19	05-Apr-19	02-May-19						PM review & comment
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry	35	35	03-Aug-19	06-Sep-19	04-May-19	07-Jun-19						Re-submit Foundation Design of
DES1510	PM Consent for Construction	28	28	07-Sep-19	04-Oct-19	08-Jun-19	05-Jul-19						PM
DES1530	PM review & comment	28	1	02-Jan-19 A	30-Jun-19	31-Jan-19	27-Feb-19						PM review & comment
DES1540	Re-submit Design of Watermain & Irrigation System w/Design Certificate	32	1	02-Jan-19 A	30-Jun-19	02-Apr-19	03-May-19						Re-submit Design of Watermain & Irrigation System w/Design Certificate
DES1550	PM Consent for Construction	28	28	21-Jan-19 A	28-Jul-19	04-May-19	31-May-19						PM Consent for Construction
DES1560	Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	35	35	30-Jun-19	03-Aug-19	31-Mar-19	04-May-19						Prepare & submit Design of E&M System (E&M & Road Lighting) w/De
DES1570	PM review & comment	28	28	04-Aug-19	31-Aug-19	05-May-19	01-Jun-19						PM review & comment
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	32	32	02-Sep-19	03-Oct-19	03-Jun-19	04-Jul-19						Re-
<b>SUBLETTING &amp; PROCUREMENT SCHEDULE</b>													
<b>SUBLETTING</b>													
SPS1000	Maintenance of Traffic Flow	30	30	30-Jun-19	29-Jul-19	31-Mar-19	29-Apr-19						Maintenance of Traffic Flow

- Remaining Level of Effort
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### ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)

3 Months Rolling Programme (30/06/19)

Date	Revision	Check...	Approved
08-Jul-19	3MRP DWP 1906	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								Jun 12	Jul 13	Aug 14	Sep 15	Oct 16
SPS1010	Electronic Document Management System (EDMS) for the use of the Project Manager	30	0	18-Oct-18 A	30-Jun-19*	31-Dec-18	29-Jan-19	Electronic Document Management System (EDMS) for the use of the Project Manager				
SPS1030	Hoarding and Signboard	30	30	30-Jun-19	29-Jul-19	31-Mar-19	29-Apr-19	Hoarding and Signboard				
SPS1040	Survey of the Site	30	30	30-Jun-19	29-Jul-19	31-Mar-19	29-Apr-19	Survey of the Site				
SPS1060	Security System of the Site	30	30	30-Jun-19	29-Jul-19	31-Mar-19	29-Apr-19	Security System of the Site				
SPS1090	Building Information Model (BIM)	30	0	12-Mar-19 A	14-Jun-19 A	31-Mar-19	29-Apr-19	Building Information Model (BIM)				
SPS1140	Site Clearance and Demolition Work	30	30	01-Jul-19	30-Jul-19	07-Apr-19	06-May-19	Site Clearance and Demolition Work				
SPS1160	Monitoring and Instrumentation	30	30	01-Jul-19	30-Jul-19	07-Apr-19	06-May-19	Monitoring and Instrumentation				
SPS1170	Piling Works and Pile Testing	30	1	21-Dec-18 A	30-Jun-19	28-Feb-19	29-Mar-19	Piling Works and Pile Testing				
SPS1200	Waterwork (Pipework)	30	30	30-Jun-19	29-Jul-19	31-Mar-19	29-Apr-19	Waterwork (Pipework)				
SPS1210	Drainage (PC pipe, manhole & gully) and Duct	30	30	29-Aug-19	27-Sep-19	31-May-19	29-Jun-19	Drainage (PC pipe, manhole & gully) and Duct				
SPS1220	CCTV for Drainage Pipe	30	30	30-Jun-19	29-Jul-19	01-Apr-19	30-Apr-19	CCTV for Drainage Pipe				
SPS1240	Reinforced Concrete Work for Retaining Walls	30	30	30-Jun-19	29-Jul-19	31-Mar-19	29-Apr-19	Reinforced Concrete Work for Retaining Walls				
SPS1250	Reinforced Concrete Work for Noise Mitigation Measures	30	30	30-Jun-19	29-Jul-19	31-Mar-19	29-Apr-19	Reinforced Concrete Work for Noise Mitigation Measures				
SPS1260	Reinforced Concrete Work for Bridge Work	30	30	30-Jul-19	29-Aug-19	28-Apr-19	28-May-19	Reinforced Concrete Work for Bridge Work				
SPS1280	Reinforced Concrete Work for Footbridge NF40 & NF66	30	30	17-Aug-19	16-Sep-19	23-May-19	22-Jun-19	Reinforced Concrete Work for Footbridge NF40 & NF66				
SPS1290	Steelwork for NB and Lift Tower	30	30	24-Jul-19	22-Aug-19	24-Apr-19	23-May-19	Steelwork for NB and Lift Tower				
SPS1310	Bearing and Movement Joint	30	30	31-Jul-19	29-Aug-19	01-May-19	31-May-19	Bearing and Movement Joint				
SPS1320	Tendon Works	30	30	31-Jul-19	29-Aug-19	01-May-19	31-May-19	Tendon Works				
SPS1410	Pedestrian Lift (Lift Cars, E&M, Panel, Louvre & Signature)	30	30	06-Aug-19	04-Sep-19	02-May-19	31-May-19	Pedestrian Lift (Lift Cars, E&M, Panel, Louvre & Signature)				
SPS1420	Lighting System for Noise Mitigation Measures	30	30	19-Aug-19	18-Sep-19	12-Jul-19	10-Aug-19	Lighting System for Noise Mitigation Measures				
SPS1440	Drainage for Noise Mitigation Measures	30	30	19-Aug-19	18-Sep-19	12-Jul-19	10-Aug-19	Drainage for Noise Mitigation Measures				
SPS1460	Waterproofing (Bitumen Paint)	30	30	30-Jun-19	29-Jul-19	06-Apr-19	05-May-19	Waterproofing (Bitumen Paint)				
<b>WORK BETWEEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71 A (ZON)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z1_1410	Construction Zone 1_Stage 1 Northbound R1 structure	300	300	27-Jul-19	31-Jul-20	19-Jun-19	20-Jun-20	Construction Zone 1_Stage 1 Northbound R1 structure				
Z1_1430	Construction Zone 1_Stage 1 Central Barrier structure	303	303	19-Sep-19	25-Sep-20	12-Aug-19	18-Aug-20	Construction Zone 1_Stage 1 Central Barrier structure				
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												






-  Remaining Level of Effort
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (30/06/19)**

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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								Jun 12	Jul 13	Aug 14	Sep 15	Oct 16
Z1_1290	Zone 1_tree felling works	18	10	25-Jan-19 A	12-Jul-19	11-Mar-19	01-Apr-19	Zone 1_tree felling works				
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>												
Z1_1270	Zone 1-1_construct temporary road platform along Northbound for R1	60	60	27-Jul-19	09-Oct-19	19-Jun-19	28-Aug-19	Zone 1-1_construct temporary road platform along Northbound for R1				
<b>UTILITIES DIVERSION</b>												
<b>CENTRAL BARRIER</b>												
Z1_1300	UU_CLP_abandoned 33kv cable for RSE1 CH1190-1300 110m	20	20	09-Sep-19	04-Oct-19	02-Aug-19	24-Aug-19	UU				
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE FOUNDATION WORKS</b>												
<b>CENTRAL BARRIER</b>												
Z1_1490	RSE1_site investigation for RSE1-01P to 03P (6nr)	15	15	19-Sep-19	09-Oct-19	12-Aug-19	28-Aug-19	RSE1_site investigation for RSE1-01P to 03P (6nr)				
<b>WORK BETWEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA (ZONE 2)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z2_1260	Construction Zone 2_Stage 1 Central Barrier structure	518	518	10-Jul-19	08-Apr-21	31-May-19	25-Feb-21	Construction Zone 2_Stage 1 Central Barrier structure				
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z2_1220	Zone 2_tree felling works	18	7	19-Feb-19 A	10-Jul-19	24-Jan-20	17-Feb-20	Zone 2_tree felling works				
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>												
Z2_1230	Zone 2-1_construct temporary road platform along Southbound	60	60	10-Jul-19	19-Sep-19	31-May-19	10-Aug-19	Zone 2-1_construct temporary road platform along Southbound				
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE FOUNDATION WORKS</b>												
<b>CENTRAL BARRIER</b>												
Z2_1000	RSE2_site investigation for RSE2-13P & 15P (30nr)	50	50	19-Sep-19	19-Nov-19	12-Aug-19	11-Oct-19	RSE2_site investigation for RSE2-13P & 15P (30nr)				
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z3_3270	Construction period of Zone 3a_1	337	337	02-Jul-19	17-Aug-20	17-Apr-19	20-May-20	Construction period of Zone 3a_1				
Z3_3340	Construction period of Zone 3c_1	340	340	02-Jul-19	20-Aug-20	22-May-19	30-May-20	Construction period of Zone 3c_1				

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (30/06/19)**

Date	Revision	Check...	Approved
08-Jul-19	3MRP DWP 1906	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019												
								Jun 12	Jul 13	Aug 14	Sep 15	Oct 16								
Z3_3400	Construction period of Zone 3b_1	296	296	29-Aug-19	28-Aug-20	30-May-19	30-May-20													
<b>PREPARATORY WORKS</b>																				
<b>TREE FELLING/TRANPLANT</b>																				
Z3_2800	Zone 3_tree felling works	18	1	22-Jan-19 A	02-Jul-19	25-Feb-19	16-Mar-19													
<b>BRIDGE AND STRUCTURE WORKS</b>																				
<b>PRELIMINARIES WORKS</b>																				
<b>UTILITIES DIVERSION</b>																				
<b>NORTHBOUND</b>																				
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m	13	13	02-Jul-19	16-Jul-19	03-Apr-19	18-Apr-19													
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34	19-Jul-19	27-Aug-19	16-Apr-19	31-May-19													
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22	02-Aug-19	27-Aug-19	04-May-19	31-May-19													
Z3_3130	UU_Fresh watermain for SR4 178m 200mm	23	23	02-Aug-19	29-Aug-19	03-May-19	31-May-19													
<b>SOUTHBOUND</b>																				
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127	02-Jul-19	29-Nov-19	01-Apr-19	04-Sep-19													
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m	35	35	20-Jul-19	29-Aug-19	24-Apr-19	05-Jun-19													
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m	51	51	02-Jul-19	29-Aug-19	01-Apr-19	05-Jun-19													
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m	39	39	16-Jul-19	29-Aug-19	16-Apr-19	05-Jun-19													
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1825-1960 135m	38	38	17-Jul-19	29-Aug-19	17-Apr-19	05-Jun-19													
Z3_3120	UU_Fresh watermain for Staircase & N263 150PE	23	23	23-Sep-19	21-Oct-19	29-Jun-19	26-Jul-19													
<b>WIDENING FOR NORTH HOLLOW ABUTMENT (N264)</b>																				
Z3_4200	C01_ELS & footing construction	45	45	02-Jul-19	22-Aug-19	05-Apr-19	04-Jun-19													
Z3_4210	C01_column construction	40	40	23-Aug-19	11-Oct-19	04-Jun-19	23-Jul-19													
Z3_4220	N264_modification existing MTRC fencing for deck widening	60	60	02-Jul-19	09-Sep-19	05-Apr-19	22-Jun-19													
Z3_4240	N264_temporary protection MTRC cable	45	45	23-Aug-19	17-Oct-19	04-Jun-19	29-Jul-19													
<b>MODIFICATION OF BRIDGE N263</b>																				
<b>RECONSTRUCTION ABUTMENT WALL AT NHA</b>																				
Z3_4100	Demolish part of existing NHA wall for construction new wall	60	60	02-Jul-19*	09-Sep-19	17-Apr-19	03-Jul-19													
Z3_4110	NAW-1_construct ELS & piling platform	42	42	02-Jul-19*	19-Aug-19	17-Apr-19	11-Jun-19													
Z3_4120	NAW-1_piling works for new NHA wall 5nr 1.5m bored pile	70	70	29-Aug-19	22-Nov-19	12-Jun-19	02-Sep-19													
Z3_4150	NAW-2_construct ELS & piling platform	42	42	02-Jul-19	19-Aug-19	17-Apr-19	11-Jun-19													



	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (30/06/19)**

Date	Revision	Check...	Approved
08-Jul-19	3MRP DWP 1906	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019							
								Jun 12	Jul 13	Aug 14	Sep 15	Oct 16			
Z3_4160	NAW-2_piling works for new NHA wall 4nr 1.5m bored pile	56	56	29-Aug-19	06-Nov-19	12-Jun-19	16-Aug-19								
<b>MODIFICATION EXISTING PIER WALL OF N263</b>															
Z3_3870	SAW-1_piling works for new NHA wall 3nr 1.5m bored pile	42	42	30-Aug-19	21-Oct-19	06-Jun-19	26-Jul-19								
<b>MODIFICATION EXISTING SOUTH HOLLOW ABUTMENT WALL</b>															
Z3_3950	SHA_piling works for pier SHA 6 nos. Socket H-pile	48	48	29-Aug-19	28-Oct-19	30-May-19	27-Jul-19								
<b>RETAINING WALL &amp; SUBWAY</b>															
<b>RETAINING WALL NO.1</b>															
Z3_4550	RW1_demolish existing retaining structure between Bay 101 and Bay 104	45	45	02-Jul-19	22-Aug-19	22-May-19	16-Jul-19								
Z3_4600	RW1_demolish existing retaining structure between Bay 105 and Bay 107	45	45	23-Aug-19	17-Oct-19	16-Jul-19	06-Sep-19								
<b>RETAINING WALL NO.6</b>															
Z3_1218_1000	RW6_ELS works for Bay 601 to Bay 608 (62m_2 side)	35	35	05-Aug-19	20-Sep-19	27-May-19	12-Jul-19								
Z3_1218_1010	RW6_base slab construction for Bay 601 to Bay 608	64	64	29-Aug-19	26-Nov-19	20-Jun-19	17-Sep-19								
Z3_1218_1020	RW6_retaining wall construction for Bay 601 to Bay 608	96	96	20-Sep-19	31-Jan-20	12-Jul-19	22-Nov-19								
Z3_1218_1040	RW6_soldier pile wall for Bay 609 to Bay 614 (53nr)	30	30	17-Jul-19	27-Aug-19	19-Apr-19	31-May-19								
<b>RETAINING WALL NO.7</b>															
Z3_1218_2040	RW7_soldier pile wall for Bay 701 to Bay 705 (62nr)	35	35	28-Aug-19	15-Oct-19	31-May-19	19-Jul-19								
Z3_1218_2050	RW7_base slab construction for Bay 701 & Bay 704	32	32	18-Sep-19	31-Oct-19	21-Jun-19	06-Aug-19								
<b>MODIFY EXISTING RETAINING WALL SR4</b>															
Z3_5070	SR4_ELS works for Bay SR401 to Bay SR405 (90m_1 side)	25	25	29-Aug-19	28-Sep-19	31-May-19	02-Jul-19								
Z3_5080	SR4_base slab construction for Bay SR401 to Bay SR405	40	40	29-Aug-19	18-Oct-19	31-May-19	19-Jul-19								
Z3_5090	SR4_retaining wall construction for Bay SR401 to SR405	60	60	23-Sep-19	04-Dec-19	25-Jun-19	04-Sep-19								
<b>MODIFY EXISTING SUBWAY NS30</b>															
Z3_5200	Re-align existing subway NS30	120	120	02-Jul-19	21-Nov-19	22-May-19	15-Oct-19								
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>															
<b>PRELIMINARIES WORKS</b>															
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>															
<b>TTA PERIOD</b>															
Z4_1390	Construction Zone 4_Stage 1 Northbound structure	207	207	31-Jul-19	08-Apr-20	07-May-19	14-Jan-20								
Z4_1470	Construction Zone 4_NF66 Construction	220	220	18-Jul-19	15-Apr-20	18-Apr-19	15-Jan-20								
Z4_1480	Construction Zone 4_NF40 Construction	489	489	02-Jul-19	20-Feb-21	01-Apr-19	23-Nov-20								

-  Remaining Level of Effort
-  Remaining Work
-  Actual Level of Effort
-  Critical Remaining Work
-  Primary Baseline
-  Milestone
-  Actual Work
-  Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (30/06/19)**

Date	Revision	Check...	Approved
08-Jul-19	3MRP DWP 1906	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								Jun 12	Jul 13	Aug 14	Sep 15	Oct 16
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z4_1320	Zone 4_NB tree felling works	18	0	25-Jan-19 A	29-Jun-19 A	31-Jan-19	23-Feb-19	Zone 4_NB tree felling works				
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z4_1270	UU_CLP-abandoned 33kv cable for N4 CH2100-2350 250m (Abandoned)	0	0	31-Jul-19	31-Jul-19	07-May-19	07-May-19	UU_CLP-abandoned 33kv cable for N4 CH2100-2350 250m (Abandoned)				
Z4_1280	UU_CATV-slew cable for N4 CH2190-2400 210m	25	25	02-Jul-19	30-Jul-19	02-Apr-19	06-May-19	UU_CATV-slew cable for N4 CH2190-2400 210m				
Z4_1290	UU_CLP-abandoned 33kv cable for N4&SE6 CH2150-2160 20m (Abandoned)	0	0	31-Jul-19	31-Jul-19	07-May-19	07-May-19	UU_CLP-abandoned 33kv cable for N4&SE6 CH2150-2160 20m (Abandoned)				
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5	02-Jul-19	06-Jul-19	02-Apr-19	08-Apr-19	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m				
Z4_1360	UU_Fresh watermain for N4 CH2150-2200 77m 600mm	40	40	31-Jul-19	16-Sep-19	07-May-19	24-Jun-19	UU_Fresh watermain				
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE CAP AND FOOTING</b>												
<b>NORTHBOUND</b>												
Z4_1000	N4_ELS for footing construction N4-12 to N4-29 (231m 2 side)	64	64	31-Jul-19	16-Oct-19	07-May-19	23-Jul-19	N4_ELS for footing construction N4-12 to N4-29 (231m 2 side)				
Z4_1010	N4_footing construction N4-12 to N4-29 (18nr)	126	126	28-Aug-19	01-Feb-20	05-Jun-19	04-Nov-19	N4_footing construction N4-12 to N4-29 (18nr)				
<b>BRIDGE AND STRUCTURE WORKS</b>												
<b>MODIFICATION WORKS FOR NF40</b>												
NF40_1000	Construct temporary staircase	60	60	02-Jul-19	09-Sep-19	01-Apr-19	17-Jun-19	Construct temporary staircase				
NF40_1010	Demolish existing staircase & part of existing footing	45	45	10-Sep-19	04-Nov-19	18-Jun-19	09-Aug-19	Demolish existing staircase & part of existing footing				
<b>MODIFICATION WORKS FOR NF66</b>												
NF66_1000	ELS & 1st stage pile cap construction (CSD)	50	50	18-Jul-19	16-Sep-19	18-Apr-19	22-Jun-19	ELS & 1st stage pile cap construction (CSD)				
NF66_1010	Pile cap construction (CSD)	35	35	16-Sep-19	29-Oct-19	22-Jun-19	03-Aug-19	Pile cap construction (CSD)				
<b>WORK BETWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z5_1710	Zone 5_tree felling works	18	7	22-Jan-19 A	17-Jan-20	21-Sep-19	15-Oct-19	Zone 5_tree felling works				
<b>PORTION E (ZONE 5)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>PREPARATORY WORKS</b>												

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone









**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (30/06/19)**

Date	Revision	Check...	Approved
08-Jul-19	3MRP DWP 1906	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								Jun 12	Jul 13	Aug 14	Sep 15	Oct 16
<b>TREE FELLING/TRANPLANT</b>												
Z5E_1140	Portion E_tree felling works	30	12	22-Jan-19 A	21-Aug-20	15-Apr-20	22-May-20					

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
 PO ROAD (SHA TIN SECTION)  
 3 Months Rolling Programme (30/06/19)**  
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Date	Revision	Check...	Approved
08-Jul-19	3MRP DWP 1906	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					
								Jul 13	Aug 14	Sep 15	Oct 16	Nov 17	
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Roa</b>													
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>													
<b>GENERAL SUBMISSION</b>													
SUB1155	BIM Execution Plan	0	0	31-Jul-19*		31-Mar-19		◆	BIM Execution Plan				
SUB1200	Hoarding Plan	0	0	31-Jul-19*		31-Mar-19		◆	Hoarding Plan				
SUB1343	TCSS Configuration Management	0	0	31-Jul-19*		31-Mar-19		◆	TCSS Configuration Management				
SUB1347	Lift Installation - Design Data	0	0	31-Jul-19*		31-Mar-19		◆	Lift Installation - Design Data				
SUB1403	ITP's for Lighting Luminaires and System	0	0	31-Jul-19*		31-Mar-19		◆	ITP's for Lighting Luminaires and System				
SUB1405	All Lighting Designs	0	0	31-Jul-19*		31-Mar-19		◆	All Lighting Designs				
SUB1410	Combined Services Drawings (CSD)	0	0	31-Jul-19*		31-Mar-19		◆	Combined Services Drawings (CSD)				
<b>DESIGN SUBMISSION</b>													
<b>STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>													
DES1070	PM Consent for Construction	28	1	06-Nov-18 A	01-Aug-19	20-Feb-19	19-Mar-19	■	PM Consent for Construction				
DES1110	PM Consent for Construction	28	22	03-Apr-19 A	22-Aug-19	29-Apr-19	26-May-19	■	PM Consent for Construction				
DES1150	PM Consent for Construction	28	22	03-May-19 A	22-Aug-19	22-Apr-19	20-May-19	■	PM Consent for Construction				
<b>NOISE MITIGATION MEASURES</b>													
DES1190	PM Consent for Construction	28	14	25-Jun-19 A	13-Aug-19	04-Apr-19	02-May-19	■	PM Consent for Construction				
DES1230	PM Consent for Construction	28	6	02-Jan-19 A	05-Aug-19	31-Jan-19	27-Feb-19	■	PM Consent for Construction				
DES1240	Prepare & submit Foundation Design of Mitigation Measures in Zone 3 w/Design Certificate	21	1	26-Nov-18 A	01-Aug-19	31-Dec-18	20-Jan-19	■	Prepare & submit Foundation Design of Mitigation Measures in Zone 3 w/Design Certificate				
DES1250	PM review & comment	28	28	01-Aug-19	29-Aug-19	05-Apr-19	02-May-19	■	PM review & comment				
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23	30-Aug-19	22-Sep-19	04-May-19	26-May-19	■	Re-submit Foundation Design of Noise Mitigation				
DES1270	PM Consent for Construction	28	28	22-Sep-19	20-Oct-19	27-May-19	23-Jun-19	■	PM Consent for Construction				
DES1280	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	21	1	14-Jan-19 A	02-Aug-19	05-Feb-19	25-Feb-19	■	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate				
DES1290	PM review & comment	28	28	02-Aug-19	30-Aug-19	08-Apr-19	05-May-19	■	PM review & comment				
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design Certificate	20	20	31-Aug-19	20-Sep-19	07-May-19	26-May-19	■	Re-submit Superstructure Design of Noise Mitigation				
DES1310	PM Consent for Construction	28	28	20-Sep-19	18-Oct-19	27-May-19	23-Jun-19	■	PM Consent for Construction				
DES1320	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	15	20-Mar-19 A	16-Aug-19	08-Apr-19	28-Apr-19	■	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate				

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (31/07/19)**

Date	Revision	Check...	Approved
08-Aug-19	3MRP DWP 1907	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					
								Jul 13	Aug 14	Sep 15	Oct 16	Nov 17	
DES1330	PM review & comment	28	28	16-Aug-19	13-Sep-19	26-Apr-19	24-May-19						PM review & comment
DES1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	14-Sep-19	05-Oct-19	25-May-19	15-Jun-19						Re-submit Superstructure Design
DES1350	PM Consent for Construction	28	28	05-Oct-19	02-Nov-19	15-Jun-19	13-Jul-19						PM C
DES1360	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design	21	15	20-Mar-19 A	31-Aug-19	26-Apr-19	17-May-19						Prepare & submit Superstructure Design of Noise Mitigation Measures in
DES1370	PM review & comment	28	28	31-Aug-19	28-Sep-19	15-May-19	12-Jun-19						PM review & comment
DES1380	Re-submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design	20	20	29-Sep-19	19-Oct-19	13-Jun-19	03-Jul-19						Re-submit Superstru
DES1390	PM Consent for Construction	28	28	19-Oct-19	16-Nov-19	03-Jul-19	31-Jul-19						

**REMAINING WORKS**

DES1430	PM Consent for Construction	28	10	11-Jan-19 A	09-Aug-19	04-Mar-19	31-Mar-19						PM Consent for Construction
DES1470	PM Consent for Construction	28	22	11-Mar-19 A	22-Aug-19	11-May-19	07-Jun-19						PM Consent for Construction
DES1480	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign	21	4	26-Nov-18 A	04-Aug-19	31-Dec-18	20-Jan-19						Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign
DES1490	PM review & comment	28	25	25-Jan-19 A	29-Aug-19	05-Apr-19	02-May-19						PM review & comment
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry	35	35	30-Aug-19	04-Oct-19	04-May-19	07-Jun-19						Re-submit Foundation Design of Pec
DES1510	PM Consent for Construction	28	28	04-Oct-19	01-Nov-19	08-Jun-19	05-Jul-19						PM Cd
DES1530	PM review & comment	28	1	02-Jan-19 A	31-Jul-19	31-Jan-19	27-Feb-19						PM review & comment
DES1540	Re-submit Design of Watermain & Irrigation System w/Design Certificate	32	1	02-Jan-19 A	31-Jul-19	02-Apr-19	03-May-19						Re-submit Design of Watermain & Irrigation System w/Design Certificate
DES1550	PM Consent for Construction	28	28	21-Jan-19 A	28-Aug-19	04-May-19	31-May-19						PM Consent for Construction
DES1560	Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	35	35	31-Jul-19	03-Sep-19	31-Mar-19	04-May-19						Prepare & submit Design of E&M System (E&M & Road Lighting) w/De
DES1570	PM review & comment	28	28	04-Sep-19	01-Oct-19	05-May-19	01-Jun-19						PM review & comment
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	32	32	03-Oct-19	03-Nov-19	03-Jun-19	04-Jul-19						Re-

**SUBLETTING & PROCUREMENT SCHEDULE**

**SUBLETTING**

SPS1000	Maintenance of Traffic Flow	30	30	31-Jul-19	29-Aug-19	31-Mar-19	29-Apr-19						Maintenance of Traffic Flow
SPS1030	Hoarding and Signboard	30	30	31-Jul-19	29-Aug-19	31-Mar-19	29-Apr-19						Hoarding and Signboard
SPS1060	Security System of the Site	30	30	31-Jul-19	29-Aug-19	31-Mar-19	29-Apr-19						Security System of the Site
SPS1140	Site Clearance and Demolition Work	30	30	31-Jul-19	29-Aug-19	07-Apr-19	06-May-19						Site Clearance and Demolition Work
SPS1160	Monitoring and Instrumentation	30	30	31-Jul-19	29-Aug-19	07-Apr-19	06-May-19						Monitoring and Instrumentation
SPS1170	Piling Works and Pile Testing	30	1	21-Dec-18 A	31-Jul-19	28-Feb-19	29-Mar-19						Piling Works and Pile Testing
SPS1200	Waterwork (Pipework)	30	30	31-Jul-19	29-Aug-19	31-Mar-19	29-Apr-19						Waterwork (Pipework)
SPS1210	Drainage (PC pipe, manhole & gully) and Duct	30	30	29-Sep-19	28-Oct-19	31-May-19	29-Jun-19						Drainage (

Remaining Level of Effort	Remaining Work
Actual Level of Effort	Critical Remaining Work
Primary Baseline	Milestone
Actual Work	Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)  
3 Months Rolling Programme (31/07/19)**

Date	Revision	Check...	Approved
08-Aug-19	3MRP DWP 1907	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019							
								Jul 13	Aug 14	Sep 15	Oct 16	Nov 17			
SPS1220	CCTV for Drainage Pipe	30	30	31-Jul-19	29-Aug-19	01-Apr-19	30-Apr-19								
SPS1240	Reinforced Concrete Work for Retaining Walls	30	30	31-Jul-19	29-Aug-19	31-Mar-19	29-Apr-19								
SPS1250	Reinforced Concrete Work for Noise Mitigation Measures	30	30	31-Jul-19	29-Aug-19	31-Mar-19	29-Apr-19								
SPS1260	Reinforced Concrete Work for Bridge Work	30	30	27-Aug-19	26-Sep-19	28-Apr-19	28-May-19								
SPS1270	Reinforced Concrete Work for Pedestrian Lift	30	30	26-Oct-19	25-Nov-19	30-Jun-19	29-Jul-19								
SPS1280	Reinforced Concrete Work for Footbridge NF40 & NF66	30	30	19-Sep-19	18-Oct-19	23-May-19	22-Jun-19								
SPS1290	Steelwork for NB and Lift Tower	30	30	23-Aug-19	22-Sep-19	24-Apr-19	23-May-19								
SPS1310	Bearing and Movement Joint	30	30	27-Aug-19	25-Sep-19	01-May-19	31-May-19								
SPS1320	Tendon Works	30	30	27-Aug-19	25-Sep-19	01-May-19	31-May-19								
SPS1410	Pedestrian Lift (Lift Cars, E&M, Panel, Lourve & Signature)	30	30	31-Aug-19	30-Sep-19	02-May-19	31-May-19								
SPS1420	Lighting System for Noise Mitigation Measures	30	30	06-Sep-19	06-Oct-19	12-Jul-19	10-Aug-19								
SPS1440	Drainage for Noise Mitigation Measures	30	30	06-Sep-19	06-Oct-19	12-Jul-19	10-Aug-19								
SPS1460	Waterproofing (Bitumen Paint)	30	30	01-Aug-19	30-Aug-19	06-Apr-19	05-May-19								

**WORK BETWEEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71A (ZON**

**PRELIMINARIES WORKS**

**TEMPORARY TRAFFIC ARRANGEMENT**

**TTA PERIOD**

Z1_1410	Construction Zone 1_Stage 1 Northbound R1 structure	300	300	12-Aug-19	15-Aug-20	19-Jun-19	20-Jun-20								
Z1_1430	Construction Zone 1_Stage 1 Central Barrier structure	303	303	05-Oct-19	13-Oct-20	12-Aug-19	18-Aug-20								

**PREPARATORY WORKS**

**TREE FELLING/TRANPLANT**

Z1_1290	Zone 1_tree felling works	18	8	25-Jan-19 A	09-Aug-19	11-Mar-19	01-Apr-19								
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**MODIFICATION EXISTING ROAD/TEMPORARY ROAD**

Z1_1270	Zone 1-1_construct temporary road platform along Northbound for R1	60	60	12-Aug-19	24-Oct-19	19-Jun-19	28-Aug-19								
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**UTILITIES DIVERSION**

**CENTRAL BARRIER**

Z1_1300	UU_CLP_abandoned 33kv cable for RSE1 CH1190-1300 110m	20	20	25-Sep-19	21-Oct-19	02-Aug-19	24-Aug-19								
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**NOISE BARRIER AND SEMI-ENCLOSURE**

**PILE FOUNDATION WORKS**

**NORTHBOUND**

Z1_1510	R1_site investigation for R1-02P (1nr)	5	5	24-Oct-19	30-Oct-19	29-Aug-19	03-Sep-19								
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**CENTRAL BARRIER**

Z1_1490	RSE1_site investigation for RSE1-01P to 03P (6nr)	15	15	05-Oct-19	24-Oct-19	12-Aug-19	28-Aug-19								
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**WORK BETWEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA (ZONE 2)**

**PRELIMINARIES WORKS**

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (31/07/19)**

Date	Revision	Check...	Approved
08-Aug-19	3MRP DWP 1907	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								Jul 13	Aug 14	Sep 15	Oct 16	Nov 17
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z2_1260	Construction Zone 2_Stage 1 Central Barrier structure	518	514	10-Jul-19 A	26-Apr-21	31-May-19	25-Feb-21	[Gantt bars for Z2_1260]				
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z2_1220	Zone 2_tree felling works	18	7	19-Feb-19 A	08-Aug-19	24-Jan-20	17-Feb-20	[Gantt bars for Z2_1220]				
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>												
Z2_1230	Zone 2-1_construct temporary road platform along Southbound	60	48	10-Jul-19 A	05-Oct-19	31-May-19	10-Aug-19	[Gantt bars for Z2_1230]				
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE FOUNDATION WORKS</b>												
<b>CENTRAL BARRIER</b>												
Z2_1000	RSE2_site investigation for RSE2-13P & 15P (30nr)	50	50	05-Oct-19	04-Dec-19	12-Aug-19	11-Oct-19	[Gantt bars for Z2_1000]				
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z3_3270	Construction period of Zone 3a_1	334	334	31-Jul-19	11-Sep-20	17-Apr-19	20-May-20	[Gantt bars for Z3_3270]				
Z3_3340	Construction period of Zone 3c_1	343	343	31-Jul-19	22-Sep-20	22-May-19	30-May-20	[Gantt bars for Z3_3340]				
Z3_3400	Construction period of Zone 3b_1	294	294	30-Sep-19	24-Sep-20	30-May-19	30-May-20	[Gantt bars for Z3_3400]				
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z3_2800	Zone 3_tree felling works	18	1	22-Jan-19 A	31-Jul-19	25-Feb-19	16-Mar-19	[Gantt bars for Z3_2800]				
<b>BRIDGE AND STRUCTURE WORKS</b>												
<b>PRELIMINARIES WORKS</b>												
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m	13	13	31-Jul-19	14-Aug-19	03-Apr-19	18-Apr-19	[Gantt bars for Z3_2910]				
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34	16-Aug-19	25-Sep-19	16-Apr-19	31-May-19	[Gantt bars for Z3_2920]				
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22	30-Aug-19	25-Sep-19	04-May-19	31-May-19	[Gantt bars for Z3_2930]				
Z3_3130	UU_Fresh watermain for SR4 178m 200mm	23	23	02-Sep-19	30-Sep-19	03-May-19	31-May-19	[Gantt bars for Z3_3130]				
<b>SOUTHBOUND</b>												
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127	31-Jul-19	31-Dec-19	01-Apr-19	04-Sep-19	[Gantt bars for Z3_2970]				
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m	35	35	19-Aug-19	28-Sep-19	24-Apr-19	05-Jun-19	[Gantt bars for Z3_3050]				
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m	51	51	31-Jul-19	28-Sep-19	01-Apr-19	05-Jun-19	[Gantt bars for Z3_3060]				
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m	39	39	14-Aug-19	28-Sep-19	16-Apr-19	05-Jun-19	[Gantt bars for Z3_3070]				
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1825-1960 135m	38	38	15-Aug-19	28-Sep-19	17-Apr-19	05-Jun-19	[Gantt bars for Z3_3110]				
Z3_3120	UU_Fresh watermain for Staircase & N263 150PE	23	23	24-Oct-19	19-Nov-19	29-Jun-19	26-Jul-19	[Gantt bars for Z3_3120]				
<b>WIDENING FOR NORTH HOLLOW ABUTMENT (N264)</b>												

- Remaining Level of Effort
- Remaining Work
- Actual Level of Effort
- Critical Remaining Work
- Primary Baseline
- Milestone
- Actual Work
- Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/07/19)**  
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Date	Revision	Check...	Approved
08-Aug-19	3MRP DWP 1907	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019												
								Jul 13	Aug 14	Sep 15	Oct 16	Nov 17								
Z3_4200	C01_ELS & footing construction	45	45	01-Aug-19	24-Sep-19	05-Apr-19	04-Jun-19													
Z3_4210	C01_column construction	40	40	24-Sep-19	12-Nov-19	04-Jun-19	23-Jul-19													
Z3_4220	N264_modification existing MTRC fencing for deck widening	60	60	01-Aug-19	14-Oct-19	05-Apr-19	22-Jun-19													
Z3_4240	N264_temporary protection MTRC cable	45	45	24-Sep-19	18-Nov-19	04-Jun-19	29-Jul-19													
<b>MODIFICATION OF BRIDGE N263</b>																				
<b>RECONSTRUCTION ABUTMENT WALL AT NHA</b>																				
Z3_4100	Demolish part of existing NHA wall for construction new wall	60	60	31-Jul-19*	11-Oct-19	17-Apr-19	03-Jul-19													
Z3_4110	NAW-1_construct ELS & piling platform	42	42	31-Jul-19*	18-Sep-19	17-Apr-19	11-Jun-19													
Z3_4120	NAW-1_piling works for new NHA wall 5nr 1.5m bored pile	70	70	30-Sep-19	21-Dec-19	12-Jun-19	02-Sep-19													
Z3_4150	NAW-2_construct ELS & piling platform	42	42	31-Jul-19	18-Sep-19	17-Apr-19	11-Jun-19													
Z3_4160	NAW-2_piling works for new NHA wall 4nr 1.5m bored pile	56	56	30-Sep-19	05-Dec-19	12-Jun-19	16-Aug-19													
<b>MODIFICATION EXISTING PIER WALL OF N263</b>																				
Z3_3870	SAW-1_piling works for new NHA wall 3nr 1.5m bored pile	42	42	30-Sep-19	19-Nov-19	06-Jun-19	26-Jul-19													
<b>MODIFICATION EXISTING SOUTH HOLLOW ABUTMENT WALL</b>																				
Z3_3950	SHA_piling works for pier SHA 6 nos. Socket H-pile	48	48	30-Sep-19	26-Nov-19	30-May-19	27-Jul-19													
<b>RETAINING WALL &amp; SUBWAY</b>																				
<b>RETAINING WALL NO.1</b>																				
Z3_4550	RW1_demolish existing retaining structure between Bay 101 and Bay 104	45	45	31-Jul-19	21-Sep-19	22-May-19	16-Jul-19													
Z3_4600	RW1_demolish existing retaining structure between Bay 105 and Bay 107	45	45	23-Sep-19	15-Nov-19	16-Jul-19	06-Sep-19													
<b>RETAINING WALL NO.6</b>																				
Z3_1218_1000	RW6_ELS works for Bay 601 to Bay 608 (62m_2 side)	35	32	12-Jul-19 A	15-Oct-19	27-May-19	12-Jul-19													
Z3_1218_1010	RW6_base slab construction for Bay 601 to Bay 608	64	64	09-Sep-19	05-Dec-19	20-Jun-19	17-Sep-19													
Z3_1218_1020	RW6_retaining wall construction for Bay 601 to Bay 608	96	96	01-Oct-19	11-Feb-20	12-Jul-19	22-Nov-19													
Z3_1218_1040	RW6_soldier pile wall for Bay 609 to Bay 614 (53nr)	30	30	15-Aug-19	25-Sep-19	19-Apr-19	31-May-19													
<b>RETAINING WALL NO.7</b>																				
Z3_1218_2000	RW7_ELS works for Bay 706 to Bay 711 (54m_2 side)	30	27	12-Jul-19 A	25-Feb-20	17-Sep-19	28-Oct-19													
Z3_1218_2040	RW7_soldier pile wall for Bay 701 to Bay 705 (62nr)	35	35	26-Sep-19	13-Nov-19	31-May-19	19-Jul-19													
Z3_1218_2050	RW7_base slab construction for Bay 701 & Bay 704	32	32	17-Oct-19	29-Nov-19	21-Jun-19	06-Aug-19													
<b>MODIFY EXISTING RETAINING WALL SR4</b>																				
Z3_5070	SR4_ELS works for Bay SR401 to Bay SR405 (90m_1 side)	25	25	30-Sep-19	31-Oct-19	31-May-19	02-Jul-19													
Z3_5080	SR4_base slab construction for Bay SR401 to Bay SR405	40	40	30-Sep-19	18-Nov-19	31-May-19	19-Jul-19													
Z3_5090	SR4_retaining wall construction for Bay SR401 to SR405	60	60	25-Oct-19	07-Jan-20	25-Jun-19	04-Sep-19													
<b>MODIFY EXISTING SUBWAY NS30</b>																				
Z3_5200	Re-align existing subway NS30	120	120	31-Jul-19	20-Dec-19	22-May-19	15-Oct-19													



	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)  
3 Months Rolling Programme (31/07/19)  
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Date	Revision	Check...	Approved
08-Aug-19	3MRP DWP 1907	Tim	






Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								Jul 13	Aug 14	Sep 15	Oct 16	Nov 17
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>												
<b>TTA PERIOD</b>												
Z4_1390	Construction Zone 4_Stage 1 Northbound structure	208	208	29-Aug-19	15-May-20	07-May-19	14-Jan-20					
Z4_1470	Construction Zone 4_NF66 Construction	220	220	19-Aug-19	18-May-20	18-Apr-19	15-Jan-20					
Z4_1480	Construction Zone 4_NF40 Construction	489	489	31-Jul-19	22-Mar-21	01-Apr-19	23-Nov-20					
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z4_1320	Zone 4_NB tree felling works	18	0	25-Jan-19 A	29-Jun-19 A	31-Jan-19	23-Feb-19					
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z4_1270	UU_CLP-abandoned 33kv cable for N4 CH2100-2350 250m (Abandoned)	0	0	29-Aug-19	29-Aug-19	07-May-19	07-May-19					
Z4_1280	UU_CATV-slew cable for N4 CH2190-2400 210m	25	25	31-Jul-19	29-Aug-19	02-Apr-19	06-May-19					
Z4_1290	UU_CLP-abandoned 33kv cable for N4&SE6 CH2150-2160 20m (Abandoned)	0	0	29-Aug-19	29-Aug-19	07-May-19	07-May-19					
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5	31-Jul-19	05-Aug-19	02-Apr-19	08-Apr-19					
Z4_1360	UU_Fresh watermain for N4 CH2150-2200 77m 600mm	40	40	29-Aug-19	18-Oct-19	07-May-19	24-Jun-19					
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE CAP AND FOOTING</b>												
<b>NORTHBOUND</b>												
Z4_1000	N4_ELS for footing construction N4-12 to N4-29 (231m_2 side)	64	64	29-Aug-19	15-Nov-19	07-May-19	23-Jul-19					
Z4_1010	N4_footing construction N4-12 to N4-29 (18nr)	126	126	30-Sep-19	03-Mar-20	05-Jun-19	04-Nov-19					
<b>BRIDGE AND STRUCTURE WORKS</b>												
<b>MODIFICATION WORKS FOR NF40</b>												
NF40_1000	Construct temporary staircase	60	60	31-Jul-19	11-Oct-19	01-Apr-19	17-Jun-19					
NF40_1010	Demolish existing staircase & part of existing footing	45	45	12-Oct-19	03-Dec-19	18-Jun-19	09-Aug-19					
<b>MODIFICATION WORKS FOR NF66</b>												
NF66_1000	ELS & 1st stage pile cap construction (CSD)	50	50	19-Aug-19	18-Oct-19	18-Apr-19	22-Jun-19					
NF66_1010	Pile cap construction (CSD)	35	35	19-Oct-19	28-Nov-19	22-Jun-19	03-Aug-19					
<b>WORK BETWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>PREPARATORY WORKS</b>												
<b>TREE FELLING/TRANPLANT</b>												
Z5_1710	Zone 5_tree felling works	18	6	22-Jan-19 A	18-Feb-20	21-Sep-19	15-Oct-19					
<b>PORTION E (ZONE 5)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>PREPARATORY WORKS</b>												

-  Remaining Level of Effort
-  Remaining Work
-  Actual Level of Effort
-  Critical Remaining Work
-  Primary Baseline
-  Milestone
-  Actual Work
-  Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/07/19)**  
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Date	Revision	Check...	Approved
08-Aug-19	3MRP DWP 1907	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								Jul 13	Aug 14	Sep 15	Oct 16	Nov 17
<b>TREE FELLING/TRANPLANT</b>												
Z5E_1140	Portion E_tree felling works	30	7	22-Jan-19 A	21-Sep-20	15-Apr-20	22-May-20					

 Remaining Level of Effort	 Remaining Work
 Actual Level of Effort	 Critical Remaining Work
 Primary Baseline	 Milestone
 Actual Work	 Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
 PO ROAD (SHA TIN SECTION)  
 3 Months Rolling Programme (31/07/19)  
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Date	Revision	Check...	Approved
08-Aug-19	3MRP DWP 1907	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019				
								Aug 14	Sep 15	Oct 16	Nov 17	Dec 18
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road</b>												
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>												
<b>GENERAL SUBMISSION</b>												
SUB1200	Hoarding Plan	0	0	31-Aug-19*		31-Mar-19						
SUB1343	TCSS Configuration Management	0	0	31-Aug-19*		31-Mar-19						
SUB1347	Lift Installation - Design Data	0	0	31-Aug-19*		31-Mar-19						
SUB1403	ITP's for Lighting Luminaires and System	0	0	31-Aug-19*		31-Mar-19						
SUB1405	All Lighting Designs	0	0	31-Aug-19*		31-Mar-19						
SUB1410	Combined Services Drawings (CSD)	0	0	31-Aug-19*		31-Mar-19						
<b>DESIGN SUBMISSION</b>												
<b>STRCH INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>												
DES1070	PM Consent for Construction	28	1	06-Nov-18 A	31-Aug-19	20-Feb-19	19-Mar-19					
DES1110	PM Consent for Construction	28	20	03-Apr-19 A	19-Sep-19	29-Apr-19	26-May-19					
DES1150	PM Consent for Construction	28	20	03-May-19 A	19-Sep-19	22-Apr-19	20-May-19					
<b>NOISE MITIGATION MEASURES</b>												
DES1190	PM Consent for Construction	28	8	25-Jun-19 A	08-Sep-19	04-Apr-19	02-May-19					
DES1230	PM Consent for Construction	28	4	02-Jan-19 A	04-Sep-19	31-Jan-19	27-Feb-19					
DES1250	PM review & comment	28	26	12-Jul-19 A	25-Sep-19	05-Apr-19	02-May-19					
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23	26-Sep-19	19-Oct-19	04-May-19	26-May-19					
DES1270	PM Consent for Construction	28	28	19-Oct-19	16-Nov-19	27-May-19	23-Jun-19					
DES1280	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 1 & 2 w/Design Certificate	21	0	14-Jan-19 A	07-Aug-19 A	05-Feb-19	25-Feb-19					
DES1290	PM review & comment	28	27	07-Aug-19 A	26-Sep-19	08-Apr-19	05-May-19					
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design Certificate	20	20	27-Sep-19	17-Oct-19	07-May-19	26-May-19					
DES1310	PM Consent for Construction	28	28	17-Oct-19	14-Nov-19	27-May-19	23-Jun-19					
DES1320	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	0	20-Mar-19 A	07-Aug-19 A	08-Apr-19	28-Apr-19					
DES1330	PM review & comment	28	27	07-Aug-19 A	26-Sep-19	26-Apr-19	24-May-19					

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/08/19)**  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019							
								Aug 14	Sep 15	Oct 16	Nov 17	Dec 18			
DES1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	27-Sep-19	18-Oct-19	25-May-19	15-Jun-19								
DES1350	PM Consent for Construction	28	28	18-Oct-19	15-Nov-19	15-Jun-19	13-Jul-19								
DES1360	Prepare & submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate	21	0	20-Mar-19 A	07-Aug-19 A	26-Apr-19	17-May-19								
DES1370	PM review & comment	28	27	07-Aug-19 A	26-Sep-19	15-May-19	12-Jun-19								
DES1380	Re-submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate	20	20	27-Sep-19	17-Oct-19	13-Jun-19	03-Jul-19								
DES1390	PM Consent for Construction	28	28	17-Oct-19	14-Nov-19	03-Jul-19	31-Jul-19								
<b>REMAINING WORKS</b>															
DES1430	PM Consent for Construction	28	8	11-Jan-19 A	08-Sep-19	04-Mar-19	31-Mar-19								
DES1470	PM Consent for Construction	28	20	11-Mar-19 A	19-Sep-19	11-May-19	07-Jun-19								
DES1480	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign	21	4	26-Nov-18 A	04-Sep-19	31-Dec-18	20-Jan-19								
DES1490	PM review & comment	28	25	25-Jan-19 A	29-Sep-19	05-Apr-19	02-May-19								
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry	35	35	30-Sep-19	04-Nov-19	04-May-19	07-Jun-19								
DES1510	PM Consent for Construction	28	28	04-Nov-19	02-Dec-19	08-Jun-19	05-Jul-19								
DES1530	PM review & comment	28	1	02-Jan-19 A	31-Aug-19	31-Jan-19	27-Feb-19								
DES1540	Re-submit Design of Watermain & Irrigation System w/Design Certificate	32	1	02-Jan-19 A	31-Aug-19	02-Apr-19	03-May-19								
DES1550	PM Consent for Construction	28	21	21-Jan-19 A	21-Sep-19	04-May-19	31-May-19								
DES1560	Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	35	35	31-Aug-19	04-Oct-19	31-Mar-19	04-May-19								
DES1570	PM review & comment	28	28	05-Oct-19	01-Nov-19	05-May-19	01-Jun-19								
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	32	32	03-Nov-19	04-Dec-19	03-Jun-19	04-Jul-19								
<b>SUBLETTING &amp; PROCUREMENT SCHEDULE</b>															
<b>SUBLETTING</b>															
SPS1000	Maintenance of Traffic Flow	30	30	01-Sep-19	30-Sep-19	31-Mar-19	29-Apr-19								
SPS1030	Hoarding and Signboard	30	30	31-Aug-19	29-Sep-19	31-Mar-19	29-Apr-19								
SPS1060	Security System of the Site	30	30	31-Aug-19	29-Sep-19	31-Mar-19	29-Apr-19								
SPS1140	Site Clearance and Demolition Work	30	30	02-Sep-19	01-Oct-19	07-Apr-19	06-May-19								
SPS1160	Monitoring and Instrumentation	30	30	02-Sep-19	01-Oct-19	07-Apr-19	06-May-19								
SPS1200	Waterwork (Pipework)	30	30	31-Aug-19	29-Sep-19	31-Mar-19	29-Apr-19								
SPS1210	Drainage (PC pipe, manhole & gully) and Duct	30	30	30-Oct-19	28-Nov-19	31-May-19	29-Jun-19								
SPS1220	CCTV for Drainage Pipe	30	30	31-Aug-19	29-Sep-19	01-Apr-19	30-Apr-19								
SPS1240	Reinforced Concrete Work for Retaining Walls	30	30	01-Sep-19	30-Sep-19	31-Mar-19	29-Apr-19								

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/08/19)**  
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Date	Revision	Check...	Approved
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019						
								Aug 14	Sep 15	Oct 16	Nov 17	Dec 18		
SPS1250	Reinforced Concrete Work for Noise Mitigation Measures	30	30	01-Sep-19	30-Sep-19	31-Mar-19	29-Apr-19							
SPS1260	Reinforced Concrete Work for Bridge Work	30	30	31-Aug-19	29-Sep-19	28-Apr-19	28-May-19							
SPS1270	Reinforced Concrete Work for Pedestrian Lift	30	30	27-Nov-19	27-Dec-19	30-Jun-19	29-Jul-19							
SPS1280	Reinforced Concrete Work for Footbridge NF40 & NF66	30	30	02-Oct-19	31-Oct-19	23-May-19	22-Jun-19							
SPS1290	Steelwork for NB and Lift Tower	30	30	31-Aug-19	29-Sep-19	24-Apr-19	23-May-19							
SPS1310	Bearing and Movement Joint	30	30	29-Sep-19	28-Oct-19	01-May-19	31-May-19							
SPS1320	Tendon Works	30	30	29-Sep-19	28-Oct-19	01-May-19	31-May-19							
SPS1410	Pedestrian Lift (Lift Cars, E&M, Panel, Lourve & Signature)	30	30	08-Oct-19	07-Nov-19	02-May-19	31-May-19							
SPS1420	Lighting System for Noise Mitigation Measures	30	30	31-Aug-19	29-Sep-19	12-Jul-19	10-Aug-19							
SPS1440	Drainage for Noise Mitigation Measures	30	30	31-Aug-19	29-Sep-19	12-Jul-19	10-Aug-19							
SPS1460	Waterproofing (Bitumen Paint)	30	30	01-Sep-19	30-Sep-19	06-Apr-19	05-May-19							

**WORK BETWEEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71A (ZON**

**PRELIMINARIES WORKS**

**TEMPORARY TRAFFIC ARRANGEMENT**

**TTA PERIOD**

Z1_1410	Construction Zone 1_Stage 1 Northbound R1 structure	300	300	31-Aug-19	03-Sep-20	19-Jun-19	20-Jun-20							
Z1_1420	Construction Zone 1_Stage 1 Southbound R2 structure	374	374	19-Nov-19	23-Feb-21	04-Sep-19	07-Dec-20							
Z1_1430	Construction Zone 1_Stage 1 Central Barrier structure	304	304	30-Sep-19	08-Oct-20	12-Aug-19	18-Aug-20							

**PREPARATORY WORKS**

**TREE FELLING/TRANPLANT**

Z1_1290	Zone 1_tree felling works	18	0	25-Jan-19 A	29-Aug-19 A	11-Mar-19	01-Apr-19							
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**MODIFICATION EXISTING ROAD/TEMPORARY ROAD**

Z1_1270	Zone 1-1_construct temporary road platform along Northbound for R1	60	60	31-Aug-19	12-Nov-19	19-Jun-19	28-Aug-19							
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**UTILITIES DIVERSION**

**NORTHBOUND**







Z1_1330	UU_CLP-abandoned 33kv cable for R1 & R2 CH1075 30m	11	11	23-Nov-19	05-Dec-19	09-Sep-19	21-Sep-19							
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**CENTRAL BARRIER**

Z1_1300	UU_CLP-abandoned 33kv cable for RSE1 CH1190-1300 110m	20	20	17-Oct-19	08-Nov-19	02-Aug-19	24-Aug-19							
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**NOISE BARRIER AND SEMI-ENCLOSURE**

**PILE FOUNDATION WORKS**

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (31/08/19)**

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- Remaining Level of Effort
- Remaining Work
- Actual Level of Effort
- Critical Remaining Work
- Primary Baseline
- Milestone
- Actual Work
- Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/08/19)**  
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Date	Revision	Check...	Approved
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					
								Aug 14	Sep 15	Oct 16	Nov 17	Dec 18	
<b>PILE FOUNDATION WORKS</b>													
<b>SOUTHBOUND</b>													
Z3_1530	SE1-6_site investigation for S1E6-51P (2nr)	10	10	20-Nov-19	30-Nov-19	27-Jul-19	08-Aug-19						
<b>BRIDGE AND STRUCTURE WORKS</b>													
<b>PRELIMINARIES WORKS</b>													
<b>UTILITIES DIVERSION</b>													
<b>NORTHBOUND</b>													
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m	13	13	31-Aug-19	16-Sep-19	03-Apr-19	18-Apr-19						
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34	17-Sep-19	28-Oct-19	16-Apr-19	31-May-19						
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22	02-Oct-19	28-Oct-19	04-May-19	31-May-19						
Z3_3130	UU_Fresh watermain for SR4 178m 200mm	23	23	03-Oct-19	31-Oct-19	03-May-19	31-May-19						
<b>SOUTHBOUND</b>													
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127	31-Aug-19	05-Feb-20	01-Apr-19	04-Sep-19						
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m	35	35	20-Sep-19	01-Nov-19	24-Apr-19	05-Jun-19						
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m	51	51	31-Aug-19	01-Nov-19	01-Apr-19	05-Jun-19						
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m	39	39	16-Sep-19	01-Nov-19	16-Apr-19	05-Jun-19						
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1825-1960 135m	38	38	17-Sep-19	01-Nov-19	17-Apr-19	05-Jun-19						
Z3_3120	UU_Fresh watermain for Staircase & N263 150PE	23	23	25-Nov-19	20-Dec-19	29-Jun-19	26-Jul-19						
<b>WIDENING FOR NORTH HOLLOW ABUTMENT (N264)</b>													
Z3_4200	C01_ELS & footing construction	45	45	31-Aug-19	26-Oct-19	05-Apr-19	04-Jun-19						
Z3_4210	C01_column construction	40	40	26-Oct-19	12-Dec-19	04-Jun-19	23-Jul-19						
Z3_4220	N264_modification existing MTRC fencing for deck widening	60	60	31-Aug-19	13-Nov-19	05-Apr-19	22-Jun-19						
Z3_4240	N264_temporary protection MTRC cable	45	45	26-Oct-19	18-Dec-19	04-Jun-19	29-Jul-19						
<b>MODIFICATION OF BRIDGE N263</b>													
<b>RECONSTRUCTION ABUTMENT WALL AT NHA</b>													
Z3_4100	Demolish part of existing NHA wall for construction new wall	60	60	31-Aug-19*	12-Nov-19	17-Apr-19	03-Jul-19						
Z3_4110	NAW-1_construct ELS & piling platform	42	42	31-Aug-19*	22-Oct-19	17-Apr-19	11-Jun-19						
Z3_4120	NAW-1_piling works for new NHA wall 5nr 1.5m bored pile	70	70	23-Oct-19	15-Jan-20	12-Jun-19	02-Sep-19						
Z3_4150	NAW-2_construct ELS & piling platform	42	42	31-Aug-19	22-Oct-19	17-Apr-19	11-Jun-19						
Z3_4160	NAW-2_piling works for new NHA wall 4nr 1.5m bored pile	56	56	23-Oct-19	28-Dec-19	12-Jun-19	16-Aug-19						

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)  
3 Months Rolling Programme (31/08/19)**

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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					
								Aug 14	Sep 15	Oct 16	Nov 17	Dec 18	
<b>MODIFICATION EXISTING PIER WALL OF N263</b>													
Z3_3870	SAW_1_piling works for new NHA wall 3nr 1.5m bored pile	42	42	02-Nov-19	20-Dec-19	06-Jun-19	26-Jul-19						
<b>MODIFICATION EXISTING SOUTH HOLLOW ABUTMENT WALL</b>													
Z3_3950	SHA_piling works for pier SHA6 nos. Socket H-pile	48	48	23-Sep-19	19-Nov-19	30-May-19	27-Jul-19						
Z3_3960	SHA_ELS & pile cap construction	45	45	28-Nov-19	23-Jan-20	27-Jul-19	19-Sep-19						
<b>RETAINING WALL L &amp; SUBWAY</b>													
<b>RETAINING WALL NO.1</b>													
Z3_4550	RW1_demolish existing retaining structure between Bay 101 and Bay 104	45	45	31-Aug-19	25-Oct-19	22-May-19	16-Jul-19						
Z3_4600	RW1_demolish existing retaining structure between Bay 105 and Bay 107	45	45	26-Oct-19	17-Dec-19	16-Jul-19	06-Sep-19						
<b>RETAINING WALL NO.6</b>													
Z3_1218_1000	RW6_ELS works for Bay 601 to Bay 608 (62m_2 side)	35	30	12-Jul-19 A	15-Nov-19	27-May-19	12-Jul-19						
Z3_1218_1010	RW6_base slab construction for Bay 601 to Bay 608	64	64	07-Oct-19	02-Jan-20	20-Jun-19	17-Sep-19						
Z3_1218_1020	RW6_retaining wall construction for Bay 601 to Bay 608	96	96	29-Oct-19	10-Mar-20	12-Jul-19	22-Nov-19						
Z3_1218_1040	RW6_soldier pile wall for Bay 609 to Bay 614 (53nr)	30	30	17-Sep-19	28-Oct-19	19-Apr-19	31-May-19						
<b>RETAINING WALL NO.7</b>													
Z3_1218_2000	RW7_ELS works for Bay 706 to Bay 711 (54m_2 side)	30	26	26-Jul-19 A	26-Mar-20	17-Sep-19	28-Oct-19						
Z3_1218_2040	RW7_soldier pile wall for Bay 701 to Bay 705 (62nr)	35	35	29-Oct-19	16-Dec-19	31-May-19	19-Jul-19						
Z3_1218_2050	RW7_base slab construction for Bay 701 & Bay 704	32	32	19-Nov-19	01-Jan-20	21-Jun-19	06-Aug-19						
<b>MODIFY EXISTING RETAINING WALL SR4</b>													
Z3_5070	SR4_ELS works for Bay SR401 to Bay SR405 (90m_1 side)	25	25	31-Oct-19	29-Nov-19	31-May-19	02-Jul-19						
Z3_5080	SR4_base slab construction for Bay SR401 to Bay SR405	40	40	31-Oct-19	17-Dec-19	31-May-19	19-Jul-19						
Z3_5090	SR4_retaining wall construction for Bay SR401 to SR405	60	60	23-Nov-19	08-Feb-20	25-Jun-19	04-Sep-19						
<b>MODIFY EXISTING SUBWAY NS30</b>													
Z3_5200	Re-align existing subway NS30	120	120	31-Aug-19	24-Jan-20	22-May-19	15-Oct-19						
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>													
<b>TTA PERIOD</b>													
Z4_1390	Construction Zone 4_Stage 1 Northbound structure	206	206	02-Oct-19	12-Jun-20	07-May-19	14-Jan-20						
Z4_1470	Construction Zone 4_NF66 Construction	220	220	31-Aug-19	30-May-20	18-Apr-19	15-Jan-20						

-  Remaining Level of Effort
-  Remaining Work
-  Actual Level of Effort
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-  Primary Baseline
-  Milestone
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-  Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/08/19)**  
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019						
								Aug 14	Sep 15	Oct 16	Nov 17	Dec 18		
Z4_1480	Construction Zone 4_NF40 Construction	489	489	31-Aug-19	27-Apr-21	01-Apr-19	23-Nov-20							
<b>UTILITIES DIVERSION</b>														
<b>NORTHBOUND</b>														
Z4_1270	UU_CLP-abandoned 33kv cable for N4 CH2100-2350 250m (Abandoned)	0	0	02-Oct-19	02-Oct-19	07-May-19	07-May-19							
Z4_1280	UU_CATV-slew cable for N4 CH2190-2400 210m	25	25	31-Aug-19	30-Sep-19	02-Apr-19	06-May-19							
Z4_1290	UU_CLP-abandoned 33kv cable for N4&SE6 CH2150-2160 20m (Abandoned)	0	0	02-Oct-19	02-Oct-19	07-May-19	07-May-19							
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5	31-Aug-19	05-Sep-19	02-Apr-19	08-Apr-19							
Z4_1360	UU_Fresh watermain for N4 CH2150-2200 77m 600mm	40	40	02-Oct-19	18-Nov-19	07-May-19	24-Jun-19							
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>														
<b>PILE CAP AND FOOTING</b>														
<b>NORTHBOUND</b>														
Z4_1000	N4_ELS for footing construction N4-12 to N4-29 (231m_2 side)	64	64	02-Oct-19	16-Dec-19	07-May-19	23-Jul-19							
Z4_1010	N4_footing construction N4-12 to N4-29 (18nr)	126	126	31-Oct-19	01-Apr-20	05-Jun-19	04-Nov-19							
<b>BRIDGE AND STRUCTURE WORKS</b>														
<b>MODIFICATION WORKS FOR NF40</b>														
NF40_1000	Construct temporary staircase	60	60	31-Aug-19	12-Nov-19	01-Apr-19	17-Jun-19							
NF40_1010	Demolish existing staircase & part of existing footing	45	45	13-Nov-19	07-Jan-20	18-Jun-19	09-Aug-19							
<b>MODIFICATION WORKS FOR NF66</b>														
NF66_1000	ELS & 1st stage pile cap construction (CSD)	50	50	31-Aug-19	31-Oct-19	18-Apr-19	22-Jun-19							
NF66_1010	Pile cap construction (CSD)	35	35	01-Nov-19	11-Dec-19	22-Jun-19	03-Aug-19							
<b>WORK BETWEEN FOOTBRIDGE NF66 AND FOOTING TAN ROAD (ZONE 5)</b>														
<b>PRELIMINARIES WORKS</b>														
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z5_1710	Zone 5_tree felling works	18	1	22-Jan-19 A	16-Mar-20	21-Sep-19	15-Oct-19							
<b>PORTION E (ZONE 5)</b>														
<b>PRELIMINARIES WORKS</b>														
<b>PREPARATORY WORKS</b>														
<b>TREE FELLING/TRANPLANT</b>														
Z5E_1140	Portion E_tree felling works	30	0	22-Jan-19 A	29-Aug-20 A	15-Apr-20	22-May-20							

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/08/19)**  
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Date	Revision	Check...	Approved
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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					2020
								Sep 15	Oct 16	Nov 17	Dec 18	Jan 19	
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Roa</b>													
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>													
<b>GENERAL SUBMISSION</b>													
SUB1200	Hoarding Plan	0	0	30-Sep-19*		31-Mar-19							
SUB1343	TCSS Configuration Management	0	0	30-Sep-19*		31-Mar-19							
SUB1347	Lift Installation - Design Data	0	0	30-Sep-19*		31-Mar-19							
SUB1403	ITP's for Lighting Luminaires and System	0	0	30-Sep-19*		31-Mar-19							
SUB1405	All Lighting Designs	0	0	30-Sep-19*		31-Mar-19							
SUB1410	Combined Services Drawings (CSD)	0	0	30-Sep-19*		31-Mar-19							
<b>DESIGN SUBMISSION</b>													
<b>STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>													
DES1070	PM Consent for Construction	28	1	06-Nov-18 A	30-Sep-19	20-Feb-19	19-Mar-19						
DES1110	PM Consent for Construction	28	17	03-Apr-19 A	16-Oct-19	29-Apr-19	26-May-19						
DES1150	PM Consent for Construction	28	17	03-May-19 A	16-Oct-19	22-Apr-19	20-May-19						
<b>NOISE MITIGATION MEASURES</b>													
DES1190	PM Consent for Construction	28	6	25-Jun-19 A	05-Oct-19	04-Apr-19	02-May-19						
DES1230	PM Consent for Construction	28	3	02-Jan-19 A	02-Oct-19	31-Jan-19	27-Feb-19						
DES1250	PM review & comment	28	25	12-Jul-19 A	25-Oct-19	05-Apr-19	02-May-19						
DES1260	Re-submit Foundation Design of Noise Mitigation M	23	23	26-Oct-19	18-Nov-19	04-May-19	26-May-19						
DES1270	PM Consent for Construction	28	28	18-Nov-19	16-Dec-19	27-May-19	23-Jun-19						
DES1290	PM review & comment	28	25	07-Aug-19 A	25-Oct-19	08-Apr-19	05-May-19						
DES1300	Re-submit Superstructure Design of Noise Mitigati	20	20	26-Oct-19	15-Nov-19	07-May-19	26-May-19						
DES1310	PM Consent for Construction	28	28	15-Nov-19	13-Dec-19	27-May-19	23-Jun-19						
DES1330	PM review & comment	28	25	07-Aug-19 A	25-Oct-19	26-Apr-19	24-May-19						
DES1340	Re-submit Superstructure Design of Noise Mitigati	21	21	26-Oct-19	16-Nov-19	25-May-19	15-Jun-19						
DES1350	PM Consent for Construction	28	28	16-Nov-19	14-Dec-19	15-Jun-19	13-Jul-19						
DES1370	PM review & comment	28	25	07-Aug-19 A	25-Oct-19	15-May-19	12-Jun-19						
DES1380	Re-submit Superstructure Design of Noise Mitigati	20	20	26-Oct-19	15-Nov-19	13-Jun-19	03-Jul-19						
DES1390	PM Consent for Construction	28	28	15-Nov-19	13-Dec-19	03-Jul-19	31-Jul-19						
<b>REMAINING WORKS</b>													
DES1430	PM Consent for Construction	28	7	11-Jan-19 A	06-Oct-19	04-Mar-19	31-Mar-19						
DES1470	PM Consent for Construction	28	18	11-Mar-19 A	18-Oct-19	11-May-19	07-Jun-19						
DES1480	Prepare & submit Foundation Design of Pedestrian	21	3	26-Nov-18 A	03-Oct-19	31-Dec-18	20-Jan-19						
DES1490	PM review & comment	28	24	25-Jan-19 A	26-Oct-19	05-Apr-19	02-May-19						
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 &	35	35	27-Oct-19	01-Dec-19	04-May-19	07-Jun-19						
DES1510	PM Consent for Construction	28	28	01-Dec-19	29-Dec-19	08-Jun-19	05-Jul-19						
DES1530	PM review & comment	28	1	02-Jan-19 A	30-Sep-19	31-Jan-19	27-Feb-19						
DES1540	Re-submit Design of Watermain & Irrigation System	32	1	02-Jan-19 A	30-Sep-19	02-Apr-19	03-May-19						
DES1550	PM Consent for Construction	28	20	21-Jan-19 A	20-Oct-19	04-May-19	31-May-19						

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (30/09/19)**

Date	Revision	Check...	Approved
09-Oct-19	3MRP DWP 1909	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					2020		
								Sep 15	Oct 16	Nov 17	Dec 18	Jan 19			
DES1560	Prepare & submit Design of E&M System (E&M & F	35	35	30-Sep-19	03-Nov-19	31-Mar-19	04-May-19								
DES1570	PM review & comment	28	28	04-Nov-19	01-Dec-19	05-May-19	01-Jun-19								
DES1580	Re-submit Design of E&M System (E&M & Road Li	32	32	03-Dec-19	03-Jan-20	03-Jun-19	04-Jul-19								Re-s
<b>SUBLETTING &amp; PROCUREMENT SCHEDULE</b>															
<b>SUBLETTING</b>															
SPS1000	Maintenance of Traffic Flow	30	30	01-Oct-19	30-Oct-19	31-Mar-19	29-Apr-19								
SPS1030	Hoarding and Signboard	30	30	30-Sep-19	29-Oct-19	31-Mar-19	29-Apr-19								
SPS1060	Security System of the Site	30	30	30-Sep-19	29-Oct-19	31-Mar-19	29-Apr-19								
SPS1140	Site Clearance and Demolition Work	30	30	01-Oct-19	30-Oct-19	07-Apr-19	06-May-19								
SPS1160	Monitoring and Instrumentation	30	30	01-Oct-19	30-Oct-19	07-Apr-19	06-May-19								
SPS1200	Waterwork (Pipework)	30	30	01-Oct-19	30-Oct-19	31-Mar-19	29-Apr-19								
SPS1210	Drainage (PC pipe, manhole & gully) and Duct	30	30	29-Nov-19	28-Dec-19	31-May-19	29-Jun-19								Drainage (F
SPS1220	CCTV for Drainage Pipe	30	30	30-Sep-19	29-Oct-19	01-Apr-19	30-Apr-19								
SPS1240	Reinforced Concrete Work for Retaining Walls	30	30	01-Oct-19	30-Oct-19	31-Mar-19	29-Apr-19								
SPS1250	Reinforced Concrete Work for Noise Mitigation Me	30	30	01-Oct-19	30-Oct-19	31-Mar-19	29-Apr-19								
SPS1260	Reinforced Concrete Work for Bridge Work	30	30	01-Oct-19	30-Oct-19	28-Apr-19	28-May-19								
SPS1270	Reinforced Concrete Work for Pedestrian Lift	30	30	24-Dec-19	22-Jan-20	30-Jun-19	29-Jul-19								
SPS1280	Reinforced Concrete Work for Footbridge NF40 & I	30	30	30-Oct-19	28-Nov-19	23-May-19	22-Jun-19								Reinforced Concrete Work for Footbridge N
SPS1290	Steelwork for NB and Lift Tower	30	30	30-Sep-19	29-Oct-19	24-Apr-19	23-May-19								
SPS1310	Bearing and Movement Joint	30	30	27-Oct-19	25-Nov-19	01-May-19	31-May-19								
SPS1320	Tendon Works	30	30	27-Oct-19	25-Nov-19	01-May-19	31-May-19								
SPS1410	Pedestrian Lift (Lift Cars, E&M, Panel, Lourve & Siç	30	30	02-Nov-19	01-Dec-19	02-May-19	31-May-19								
SPS1420	Lighting System for Noise Mitigation Measures	30	30	30-Sep-19	29-Oct-19	12-Jul-19	10-Aug-19								
SPS1430	Panels for Noise Mitigation Measures	30	30	24-Dec-19	22-Jan-20	08-Oct-19	06-Nov-19								
SPS1440	Drainage for Noise Mitigation Measures	30	30	30-Sep-19	29-Oct-19	12-Jul-19	10-Aug-19								
SPS1460	Waterproofing (Bitumen Paint)	30	30	30-Sep-19	29-Oct-19	06-Apr-19	05-May-19								
<b>WORK BETWEEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71A (ZON</b>															
<b>PRELIMINARIES WORKS</b>															
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>															
<b>TTA PERIOD</b>															
Z1_1410	Construction Zone 1_Stage 1 Northbound R1 struc'	300	279	19-Aug-19 A	07-Sep-20	19-Jun-19	20-Jun-20								
Z1_1420	Construction Zone 1_Stage 1 Southbound R2 struc	374	374	25-Oct-19	26-Jan-21	04-Sep-19	07-Dec-20								
Z1_1430	Construction Zone 1_Stage 1 Central Barrier struct	327	327	30-Sep-19	05-Nov-20	12-Aug-19	18-Aug-20								
<b>PREPARATORY WORKS</b>															
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>															
Z1_1270	Zone 1-1_construct temporary road platform along	60	0	19-Aug-19 A	28-Sep-19 A	19-Jun-19	28-Aug-19								Zone 1-1_construct temporary road platform along Northbound for R1
<b>UTILITIES DIVERSION</b>															
<b>NORTHBOUND</b>															
Z1_1330	UU_CLP-abandoned 33kv cable for R1 & R2 CH10	11	11	30-Oct-19	11-Nov-19	09-Sep-19	21-Sep-19								UU_CLP-abandoned 33kv cable for R1 & R2 CH1075 30m
Z1_1340	UU_CLP-abandoned 11kv cable for R1 & R2 CH10'	11	11	12-Nov-19	23-Nov-19	23-Sep-19	05-Oct-19								UU_CLP-abandoned 11kv cable for R1 & R2 CH1
<b>CENTRAL BARRIER</b>															
Z1_1300	UU_CLP-abandoned 33kv cable for RSE1 CH1190-	20	20	21-Oct-19	12-Nov-19	02-Aug-19	24-Aug-19								UU_CLP-abandoned 33kv cable for RSE1 CH1190-1300 110r
<b>SOUTHBOUND</b>															
Z1_1370	UU_CLP-abandoned 33kv cable for R2 CH1100-11-	11	11	25-Nov-19	06-Dec-19	08-Oct-19	19-Oct-19								UU_CLP-abandoned 33kv cable fo
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>															
<b>PILE FOUNDATION WORKS</b>															

	Remaining Level of Effort		Remaining Work
	Actual Level of Effort		Critical Remaining Work
	Primary Baseline		Milestone
	Actual Work		Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (30/09/19)**

Date	Revision	Check...	Approved
09-Oct-19	3MRP DWP 1909	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					2020
								Sep 15	Oct 16	Nov 17	Dec 18	Jan 19	
<b>NORTHBOUND</b>													
Z1_1510	R1_site investigation for R1-02P (1nr)	5	5	19-Oct-19	24-Oct-19	29-Aug-19	03-Sep-19						
Z1_1520	R1_mini piles for R1-02P (8nr)	40	40	08-Nov-19	24-Dec-19	19-Sep-19	06-Nov-19						
<b>CENTRAL BARRIER</b>													
Z1_1490	RSE1_site investigation for RSE1-01P to 03P (6nr)	15	15	30-Sep-19	18-Oct-19	12-Aug-19	28-Aug-19						
Z1_1500	RSE1_mini piles for RSE1-01P to 03P (22nr)	110	110	02-Nov-19	16-Mar-20	12-Sep-19	24-Jan-20						
<b>SOUTHBOUND</b>													
Z1_1050	R2_site investigation for R2-02P to 06P (10nr)	25	25	25-Oct-19	22-Nov-19	04-Sep-19	04-Oct-19						
Z1_1060	R2_mini piles for R2-02P to 06P (35nr)	175	175	07-Dec-19	14-Jul-20	21-Oct-19	25-May-20						
<b>WORK BETWEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA (ZONE 2)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>													
<b>TTA PERIOD</b>													
Z2_1260	Construction Zone 2_Stage 1 Central Barrier struct	518	458	10-Jul-19 A	19-Apr-21	31-May-19	25-Feb-21						
<b>PREPARATORY WORKS</b>													
<b>MODIFICATION EXISTING ROAD/TEMPORARY ROAD</b>													
Z2_1230	Zone 2-1_construct temporary road platform along	60	0	10-Jul-19 A	21-Sep-19 A	31-May-19	10-Aug-19						
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>													
<b>PILE FOUNDATION WORKS</b>													
<b>CENTRAL BARRIER</b>													
Z2_1000	RSE2_site investigation for RSE2-13P & 15P (30nr)	50	50	30-Sep-19	28-Nov-19	12-Aug-19	11-Oct-19						
Z2_1010	RSE2_mini piles for RSE2-01P, 03P to 15P (116nr)	193	193	06-Nov-19	03-Jul-20	17-Sep-19	14-May-20						
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>													
<b>TTA PERIOD</b>													
Z3_3270	Construction period of Zone 3a_1	333	333	30-Sep-19	12-Nov-20	17-Apr-19	20-May-20						
Z3_3340	Construction period of Zone 3c_1	341	341	30-Sep-19	21-Nov-20	22-May-19	30-May-20						
Z3_3400	Construction period of Zone 3b_1	330	330	16-Oct-19	24-Nov-20	30-May-19	30-May-20						
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z3_2800	Zone 3_tree felling works	18	0	22-Jan-19 A	12-Aug-19 A	25-Feb-19	16-Mar-19						
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>													
<b>PILE FOUNDATION WORKS</b>													
<b>SOUTHBOUND</b>													
Z3_1530	SE1-6_site investigation for S1E6-51P (2nr)	10	10	11-Dec-19	23-Dec-19	27-Jul-19	08-Aug-19						
<b>BRIDGE AND STRUCTURE WORKS</b>													
<b>PRELIMINARIES WORKS</b>													
<b>UTILITIES DIVERSION</b>													
<b>NORTHBOUND</b>													
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-	13	13	30-Sep-19	16-Oct-19	03-Apr-19	18-Apr-19						
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 1:	34	34	19-Oct-19	27-Nov-19	16-Apr-19	31-May-19						
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 Cl	22	22	02-Nov-19	27-Nov-19	04-May-19	31-May-19						
Z3_3130	UU_Fresh watermain for SR4 178m 200mm	23	23	04-Nov-19	29-Nov-19	03-May-19	31-May-19						
<b>SOUTHBOUND</b>													
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300	127	127	30-Sep-19	04-Mar-20	01-Apr-19	04-Sep-19						
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 Cl	35	35	21-Oct-19	29-Nov-19	24-Apr-19	05-Jun-19						

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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)  
3 Months Rolling Programme (30/09/19)  
Page 3 of 5**

Date	Revision	Check...	Approved
09-Oct-19	3MRP DWP 1909	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					2020	
								Sep 15	Oct 16	Nov 17	Dec 18	Jan 19		
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH164	51	51	30-Sep-19	29-Nov-19	01-Apr-19	05-Jun-19							UU_GAS-diversion LP pipe for SR2 & N263
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-	39	39	16-Oct-19	29-Nov-19	16-Apr-19	05-Jun-19							UU_HKT-diversion cable for SR2 & N263
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1825-196C	38	38	17-Oct-19	29-Nov-19	17-Apr-19	05-Jun-19							UU_GAS-diversion LP pipe for N263 CH18
Z3_3120	UU_Fresh watermain for Staircase & N263 150PE	23	23	23-Dec-19	21-Jan-20	29-Jun-19	26-Jul-19							
<b>WIDENING FOR NORTH HOLLOW ABUTMENT (N264)</b>														
Z3_4200	C01_ELS & footing construction	45	45	30-Sep-19	23-Nov-19	05-Apr-19	04-Jun-19							C01_ELS & footing construction
Z3_4210	C01_column construction	40	40	23-Nov-19	13-Jan-20	04-Jun-19	23-Jul-19							
Z3_4220	N264_modification existing MTRC fencing for deck	60	60	30-Sep-19	11-Dec-19	05-Apr-19	22-Jun-19							N264_modification existing M
Z3_4240	N264_temporary protection MTRC cable	45	45	23-Nov-19	18-Jan-20	04-Jun-19	29-Jul-19							
<b>MODIFICATION OF BRIDGE N263</b>														
<b>RECONSTRUCTION ABUTMENT WALL AT NHA</b>														
Z3_4100	Demolish part of existing NHA wall for construction	60	60	30-Sep-19*	10-Dec-19	17-Apr-19	03-Jul-19							Demolish part of existing NHA
Z3_4110	NAW-1_construct ELS & piling platform	42	42	30-Sep-19*	19-Nov-19	17-Apr-19	11-Jun-19							NAW-1_construct ELS & piling platform
Z3_4120	NAW-1_piling works for new NHA wall 5nr 1.5m bc	70	70	20-Nov-19	15-Feb-20	12-Jun-19	02-Sep-19							
Z3_4150	NAW-2_construct ELS & piling platform	42	42	30-Sep-19	19-Nov-19	17-Apr-19	11-Jun-19							NAW-2_construct ELS & piling platform
Z3_4160	NAW-2_piling works for new NHA wall 4nr 1.5m bc	56	56	20-Nov-19	30-Jan-20	12-Jun-19	16-Aug-19							
<b>MODIFICATION EXISTING PIER WALL OF N263</b>														
Z3_3870	SAW-1_piling works for new NHA wall 3nr 1.5m bo	42	42	30-Nov-19	21-Jan-20	06-Jun-19	26-Jul-19							
<b>MODIFICATION EXISTING SOUTH HOLLOW ABUTMENT WALL</b>														
Z3_3950	SHA_piling works for pier SHA 6 nos. Socket H-pile	48	48	16-Oct-19	11-Dec-19	30-May-19	27-Jul-19							SHA_piling works for pier SH,
Z3_3960	SHA_ELS & pile cap construction	45	45	30-Dec-19	24-Feb-20	27-Jul-19	19-Sep-19							
<b>LIFT TOWER 2 &amp; STAIRCASE</b>														
Z3_3670	L2-PC1_piling works 5nr mini pile	20	20	30-Dec-19	22-Jan-20	05-Jul-19	29-Jul-19							
<b>RETAINING WALL &amp; SUBWAY</b>														
<b>RETAINING WALL NO.1</b>														
Z3_4550	RW1_demolish existing retaining structure between	45	45	30-Sep-19	22-Nov-19	22-May-19	16-Jul-19							RW1_demolish existing retaining structure between
Z3_4600	RW1_demolish existing retaining structure between	45	45	23-Nov-19	17-Jan-20	16-Jul-19	06-Sep-19							
<b>RETAINING WALL NO.6</b>														
Z3_1218_1000	RW6_ELS works for Bay 601 to Bay 608 (62m_2 si	35	30	12-Jul-19 A	13-Dec-19	27-May-19	12-Jul-19							RW6_ELS works for Bay 60
Z3_1218_1010	RW6_base slab construction for Bay 601 to Bay 6C	64	64	04-Nov-19	30-Jan-20	20-Jun-19	17-Sep-19							
Z3_1218_1020	RW6_retaining wall construction for Bay 601 to Ba	96	96	26-Nov-19	07-Apr-20	12-Jul-19	22-Nov-19							
Z3_1218_1040	RW6_soldier pile wall for Bay 609 to Bay 614 (53nr)	30	30	17-Oct-19	27-Nov-19	19-Apr-19	31-May-19							RW6_soldier pile wall for Bay 609 to Bay 614
<b>RETAINING WALL NO.7</b>														
Z3_1218_2000	RW7_ELS works for Bay 706 to Bay 711 (54m_2 si	30	26	26-Jul-19 A	24-Apr-20	17-Sep-19	28-Oct-19							
Z3_1218_2040	RW7_soldier pile wall for Bay 701 to Bay 705 (62nr)	35	35	28-Nov-19	15-Jan-20	31-May-19	19-Jul-19							
Z3_1218_2050	RW7_base slab construction for Bay 701 & Bay 704	32	32	19-Dec-19	31-Jan-20	21-Jun-19	06-Aug-19							
<b>MODIFY EXISTING RETAINING WALL SR4</b>														
Z3_5070	SR4_ELS works for Bay SR401 to Bay SR405 (90nr	25	25	30-Nov-19	31-Dec-19	31-May-19	02-Jul-19							SR4_EL
Z3_5080	SR4_base slab construction for Bay SR401 to Bay	40	40	30-Nov-19	18-Jan-20	31-May-19	19-Jul-19							
Z3_5090	SR4_retaining wall construction for Bay SR401 to	60	60	24-Dec-19	09-Mar-20	25-Jun-19	04-Sep-19							
<b>MODIFY EXISTING SUBWAY NS30</b>														
Z3_5200	Re-align existing subway NS30	120	120	30-Sep-19	25-Feb-20	22-May-19	15-Oct-19							
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>														
<b>PRELIMINARIES WORKS</b>														
<b>TEMPORARY TRAFFIC ARRANGEMENT</b>														
<b>TTA PERIOD</b>														
Z4_1390	Construction Zone 4_Stage 1 Northbound structure	208	208	31-Oct-19	15-Jul-20	07-May-19	14-Jan-20							

-  Remaining Level of Effort
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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (30/09/19)**

Date	Revision	Check...	Approved
09-Oct-19	3MRP DWP 1909	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP6 Start	AP6 Finish	2019					2020
								Sep 15	Oct 16	Nov 17	Dec 18	Jan 19	
Z4_1470	Construction Zone 4_NF66 Construction	220	220	30-Sep-19	29-Jun-20	18-Apr-19	15-Jan-20						
Z4_1480	Construction Zone 4_NF40 Construction	489	489	30-Sep-19	27-May-21	01-Apr-19	23-Nov-20						
<b>UTILITIES DIVERSION</b>													
<b>NORTHBOUND</b>													
Z4_1270	UU_CLP-abandoned 33kv cable for N4 CH2100-23	0	0	31-Oct-19	31-Oct-19	07-May-19	07-May-19						
Z4_1280	UU_CATV-slew cable for N4 CH2190-2400 210m	25	25	30-Sep-19	30-Oct-19	02-Apr-19	06-May-19						
Z4_1290	UU_CLP-abandoned 33kv cable for N4&SE6 CH21	0	0	31-Oct-19	31-Oct-19	07-May-19	07-May-19						
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360	5	5	30-Sep-19	05-Oct-19	02-Apr-19	08-Apr-19						
Z4_1360	UU_Fresh watermain for N4 CH2150-2200 77m 60	40	40	31-Oct-19	16-Dec-19	07-May-19	24-Jun-19						
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>													
<b>PILE CAP AND FOOTING</b>													
<b>NORTHBOUND</b>													
Z4_1000	N4_ELS for footing construction N4-12 to N4-29 (2'	64	64	31-Oct-19	16-Jan-20	07-May-19	23-Jul-19						
Z4_1010	N4_footing construction N4-12 to N4-29 (18nr)	126	126	28-Nov-19	07-May-20	05-Jun-19	04-Nov-19						
<b>BRIDGE AND STRUCTURE WORKS</b>													
<b>MODIFICATION WORKS FOR NF40</b>													
NF40_1000	Construct temporary staircase	60	60	30-Sep-19	10-Dec-19	01-Apr-19	17-Jun-19						
NF40_1010	Demolish existing staircase & part of existing footir	45	45	11-Dec-19	07-Feb-20	18-Jun-19	09-Aug-19						
<b>MODIFICATION WORKS FOR NF66</b>													
NF66_1000	ELS & 1st stage pile cap construction (CSD)	50	50	30-Sep-19	28-Nov-19	18-Apr-19	22-Jun-19						
NF66_1010	Pile cap construction (CSD)	35	35	29-Nov-19	11-Jan-20	22-Jun-19	03-Aug-19						
<b>WORK BETWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z5_1710	Zone 5_tree felling works	18	0	22-Jan-19 A	24-Sep-19 A	21-Sep-19	15-Oct-19						
<b>PORTION E (ZONE 5)</b>													
<b>PRELIMINARIES WORKS</b>													
<b>PREPARATORY WORKS</b>													
<b>TREE FELLING/TRANPLANT</b>													
Z5E_1140	Portion E_tree felling works	30	0	22-Jan-19 A	29-Aug-19 A	15-Apr-20	22-May-20						

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**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI  
PO ROAD (SHA TIN SECTION)**

**3 Months Rolling Programme (30/09/19)**

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Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP7 Start	AP7 Finish	2019			2020	
								Oct 16	Nov 17	Dec 18	Jan 19	Feb 20
<b>Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)</b>												
<b>PRELIMINARIES &amp; GENERAL REQUIREMENT</b>												
<b>GENERAL SUBMISSION</b>												
SUB1200	Hoarding Plan	0	0	31-Oct-19*		30-Sep-19						
SUB1343	TCSS Configuration Management	0	0	31-Oct-19*		30-Sep-19						
SUB1347	Lift Installation - Design Data	0	0	31-Oct-19*		30-Sep-19						
SUB1403	ITP's for Lighting Luminaires and System	0	0	31-Oct-19*		30-Sep-19						
SUB1405	All Lighting Designs	0	0	31-Oct-19*		30-Sep-19						
SUB1410	Combined Services Drawings (CSD)	0	0	31-Oct-19*		30-Sep-19						
<b>DESIGN SUBMISSION</b>												
<b>STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design)</b>												
DES1070	PM Consent for Construction	28	1	06-Nov-18 A	31-Oct-19	20-Feb-19	19-Mar-19					
DES1110	PM Consent for Construction	28	15	03-Apr-19 A	15-Nov-19	31-Jul-19	27-Aug-19					
DES1150	PM Consent for Construction	28	17	03-May-19 A	16-Nov-19	31-Jul-19	27-Aug-19					
<b>NOISE MITIGATION MEASURES</b>												
DES1190	PM Consent for Construction	28	3	25-Jun-19 A	02-Nov-19	31-Jul-19	27-Aug-19					
DES1230	PM Consent for Construction	28	3	02-Jan-19 A	02-Nov-19	31-Jan-19	27-Feb-19					
DES1250	PM review & comment	28	14	12-Jul-19 A	13-Nov-19	01-Sep-19	29-Sep-19					
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23	15-Nov-19	07-Dec-19	26-Oct-19	18-Nov-19					
DES1270	PM Consent for Construction	28	28	08-Dec-19	04-Jan-20	18-Nov-19	16-Dec-19					
DES1290	PM review & comment	28	25	07-Aug-19 A	25-Nov-19	31-Aug-19	27-Sep-19					
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design Certificate	20	20	26-Nov-19	16-Dec-19	26-Oct-19	15-Nov-19					
DES1310	PM Consent for Construction	28	28	16-Dec-19	13-Jan-20	15-Nov-19	13-Dec-19					
DES1330	PM review & comment	28	25	07-Aug-19 A	25-Nov-19	31-Aug-19	27-Sep-19					
DES1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	26-Nov-19	17-Dec-19	26-Oct-19	16-Nov-19					
DES1350	PM Consent for Construction	28	28	17-Dec-19	14-Jan-20	16-Nov-19	14-Dec-19					
DES1370	PM review & comment	28	25	07-Aug-19 A	25-Nov-19	31-Aug-19	27-Sep-19					
DES1380	Re-submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate	20	20	26-Nov-19	16-Dec-19	26-Oct-19	15-Nov-19					
DES1390	PM Consent for Construction	28	28	16-Dec-19	13-Jan-20	15-Nov-19	13-Dec-19					
<b>REMAINING WORKS</b>												
DES1430	PM Consent for Construction	28	7	11-Jan-19 A	06-Nov-19	04-Mar-19	31-Mar-19					
DES1470	PM Consent for Construction	28	17	11-Mar-19 A	16-Nov-19	31-Jul-19	27-Aug-19					
DES1480	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sig	21	3	26-Nov-18 A	03-Nov-19	31-Dec-18	20-Jan-19					
DES1490	PM review & comment	28	24	25-Jan-19 A	26-Nov-19	04-Aug-19	01-Sep-19					
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gant	35	35	27-Nov-19	01-Jan-20	27-Oct-19	01-Dec-19					
DES1510	PM Consent for Construction	28	28	01-Jan-20	29-Jan-20	01-Dec-19	29-Dec-19					
DES1530	PM review & comment	28	1	02-Jan-19 A	31-Oct-19	31-Jan-19	27-Feb-19					
DES1540	Re-submit Design of Watermain & Irrigation System w/Design Certificate	32	1	02-Jan-19 A	31-Oct-19	02-Apr-19	03-May-19					
DES1550	PM Consent for Construction	28	20	21-Jan-19 A	20-Nov-19	04-May-19	31-May-19					
DES1560	Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	35	35	31-Oct-19	04-Dec-19	30-Sep-19	03-Nov-19					
DES1570	PM review & comment	28	28	05-Dec-19	01-Jan-20	04-Nov-19	01-Dec-19					
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Certificate	32	32	03-Jan-20	03-Feb-20	03-Dec-19	03-Jan-20					
<b>SUBLETTING &amp; PROCUREMENT SCHEDULE</b>												
<b>SUBLETTING</b>												
SPS1000	Maintenance of Traffic Flow	30	30	31-Oct-19	29-Nov-19	03-Oct-19	01-Nov-19					
SPS1030	Hoarding and Signboard	30	30	31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19					
SPS1060	Security System of the Site	30	30	31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19					
SPS1140	Site Clearance and Demolition Work	30	30	30-Nov-19	29-Dec-19	02-Nov-19	01-Dec-19					
SPS1160	Monitoring and Instrumentation	30	30	30-Dec-19	28-Jan-20	02-Dec-19	31-Dec-19					
SPS1200	Waterwork (Pipework)	30	30	31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19					
SPS1210	Drainage (PC pipe, manhole & gully) and Duct	30	30	30-Dec-19	28-Jan-20	29-Nov-19	28-Dec-19					
SPS1220	CCTV for Drainage Pipe	30	30	31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19					
SPS1240	Reinforced Concrete Work for Retaining Walls	30	30	24-Nov-19	23-Dec-19	26-Oct-19	24-Nov-19					
SPS1250	Reinforced Concrete Work for Noise Mitigation Measures	30	30	31-Oct-19	29-Nov-19	03-Oct-19	01-Nov-19					
SPS1260	Reinforced Concrete Work for Bridge Work	30	30	31-Oct-19	29-Nov-19	01-Oct-19	30-Oct-19					
SPS1290	Steelwork for NB and Lift Tower	30	30	01-Nov-19	30-Nov-19	30-Sep-19	29-Oct-19					
SPS1300	Traffic Sign, Sign gantry and Road Sign	30	30	31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19					
SPS1310	Bearing and Movement Joint	30	30	01-Nov-19	30-Nov-19	30-Sep-19	29-Oct-19					
SPS1320	Tendon Works	30	30	01-Nov-19	30-Nov-19	30-Sep-19	29-Oct-19					
SPS1340	Earthworks and Slopeworks	30	30	31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19					

Remaining Level of Effort      Remaining Work  
 Actual Level of Effort      Critical Remaining Work  
 Primary Baseline     ◆ Milestone  
 Actual Work     ◆ Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/10/19)**  
 Page 1 of 4

Date	Revision	Checked	Approved
08-Nov-19	3MRP DWP 1910	Tim	



Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP7 Start	AP7 Finish	2019			2020	
								Oct 16	Nov 17	Dec 18	Jan 19	Feb 20
SPS1350	Landscaping and Tree Felling	30	30	31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19					
SPS1360	Irrigation System	30	30	31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19					
SPS1420	Lighting System for Noise Mitigation Measures	30	30	01-Nov-19	30-Nov-19	30-Sep-19	29-Oct-19					
SPS1440	Drainage for Noise Mitigation Measures	30	30	01-Nov-19	30-Nov-19	30-Sep-19	29-Oct-19					
SPS1460	Waterproofing (Bitumen Paint)	30	30	22-Nov-19	21-Dec-19	25-Oct-19	23-Nov-19					
<b>WORK BETWEEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71A (ZONE 1)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>SUMMARY PROGRAMME</b>												
Z1SU1030	Zone 1 Stage 1 RSE1 CM foundation	326	326	04-Nov-19	07-Dec-20	04-Nov-19	05-Nov-20					
Z1SU1032	Zone 1 Stage 1 R1 structure R1-01 to 08	307	307	29-Nov-19	11-Dec-20	04-Nov-19	05-Dec-20					
<b>UTILITIES DIVERSION</b>												
<b>CENTRAL BARRIER</b>												
Z1_1300	UU_CLP-abandoned 33kv cable for RSE1 CH1190-1300 110m	20	20	19-Nov-19	12-Dec-19	06-Nov-19	28-Nov-19					
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE FOUNDATION WORKS</b>												
<b>NORTHBOUND</b>												
Z1_1510	R1_site investigation for R1-02P (1nr)	5	5	05-Feb-20	11-Feb-20	31-Jan-20	05-Feb-20					
<b>CENTRAL BARRIER</b>												
Z1_1490	RSE1_site investigation for RSE1-01P to 03P (5nr)	15	15	04-Nov-19*	20-Nov-19	04-Nov-19	20-Nov-19					
Z1_1500	RSE1_mini piles for RSE1-01P to 03P (22nr ver)	55	55	05-Dec-19	13-Feb-20	05-Dec-19	13-Feb-20					
<b>ROADWORKS AND REMAINING WORKS</b>												
<b>GEOTECHNICAL WORKS</b>												
<b>NORTHBOUND</b>												
Z1_1320	Zone 1_fill replacement by no-fines concrete 7SW-D/FF156 (open excavation) NB_R1	52	52	29-Nov-19*	05-Feb-20	04-Nov-19	07-Jan-20					
<b>WORK BETWEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA (ZONE 2)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>SUMMARY PROGRAMME</b>												
Z2SU1000	Construction Zone 2_Stage 1 RSE2 CM foundation	594	508	10-Jul-19 A	20-Jul-21	08-Aug-19	10-Aug-21					
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE FOUNDATION WORKS</b>												
<b>CENTRAL BARRIER</b>												
Z2_1000	RSE2_site investigation for RSE2-13P & 15P (21nr)	55	55	21-Nov-19	30-Jan-20	21-Nov-19	30-Jan-20					
<b>WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>SUMMARY PROGRAMME</b>												
Z3SU5000	Zone 3a (TPR area) Stage 1 RW6, RW7 & SR4	354	315	12-Jul-19 A	20-Nov-20	02-Sep-19	10-Nov-20					
Z3SU5030	Zone 3b (near SR6) Stage 1 Construct N263 & N264 foundation	393	339	20-May-19 A	18-Dec-20	31-Jul-19	23-Nov-20					
Z3SU5050	Zone 3b (near SR6) Stage 1 SE5, SE8, SR6 foundation and N262 bridge	369	369	01-Nov-19	27-Jan-21	01-Nov-19	02-Jan-21					
Z3SU5100	Zone 3c (near SR3) Stage 1 construct NS30, RW1, SR2 foundation & RW3	311	316	11-Jun-19 A	23-Nov-20	16-Sep-19	30-Sep-20					
<b>UTILITIES DIVERSION</b>												
<b>SOUTHBOUND</b>												
Z3_2900	UU_CLP-abandoned 33kv cable for SE5 & SE6 CH2090-2175 85m	17	17	04-Dec-19	24-Dec-19	02-Nov-19	22-Nov-19					
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE FOUNDATION WORKS</b>												
<b>SOUTHBOUND</b>												
Z3_1522	SE1-5_site investigation for S1E5-51 (1nr)	5	5	18-Jan-20	24-Jan-20	17-Dec-19	23-Dec-19					
Z3_1530	SE1-6_site investigation for S1E6-51P (1nr)	5	5	24-Jan-20	03-Feb-20	23-Dec-19	31-Dec-19					
Z3_5630	SE2_site investigation for S2E1-52P (2nr)	10	10	07-Jan-20	18-Jan-20	05-Dec-19	17-Dec-19					
Z3_5640	SE2_mini piles for S2E1-52P (12nr raking, 11nr ver)	58	58	05-Feb-20*	17-Apr-20	03-Jan-20	14-Mar-20					
<b>SOUTHBOUND SLIP ROAD</b>												
Z3_1720	SE8-1_site investigation for SR6 1-B (1nr)	5	5	01-Nov-19*	06-Nov-19	01-Nov-19	06-Nov-19					
Z3_1730	SE8-1_mini piles for SR6 1-B (8nr)	32	32	06-Jan-20	14-Feb-20	18-Dec-19	30-Jan-20					
<b>BRIDGE AND STRUCTURE WORKS</b>												
<b>PRELIMINARIES WORKS</b>												
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z3_2910	UU_CLP-abandoned 11kv cable for RW6 CH1675-1725 50m	13	13	31-Oct-19	14-Nov-19	30-Sep-19	16-Oct-19					
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34	01-Nov-19	10-Dec-19	02-Oct-19	11-Nov-19					
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22	15-Nov-19	10-Dec-19	17-Oct-19	11-Nov-19					
Z3_3130	UU_Fresh watermain for SR4 178m 200mm	30	9	22-Jul-19 A	29-Nov-19	30-Sep-19	05-Nov-19					
<b>SOUTHBOUND</b>												
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127	31-Oct-19	02-Apr-20	09-Oct-19	11-Mar-20					
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m	35	35	03-Dec-19	16-Jan-20	09-Nov-19	20-Dec-19					
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m	51	51	14-Nov-19	16-Jan-20	22-Oct-19	20-Dec-19					
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m	39	39	28-Nov-19	16-Jan-20	05-Nov-19	20-Dec-19					
Z3_3100	UU_HKBN-slew cable for N262 CH1800-1810 10m	1	1	31-Oct-19	31-Oct-19	31-Oct-19	31-Oct-19					

-  Remaining Level of Effort
-  Remaining Work
-  Actual Level of Effort
-  Critical Remaining Work
-  Primary Baseline
-  Milestone
-  Actual Work
-  Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/10/19)**

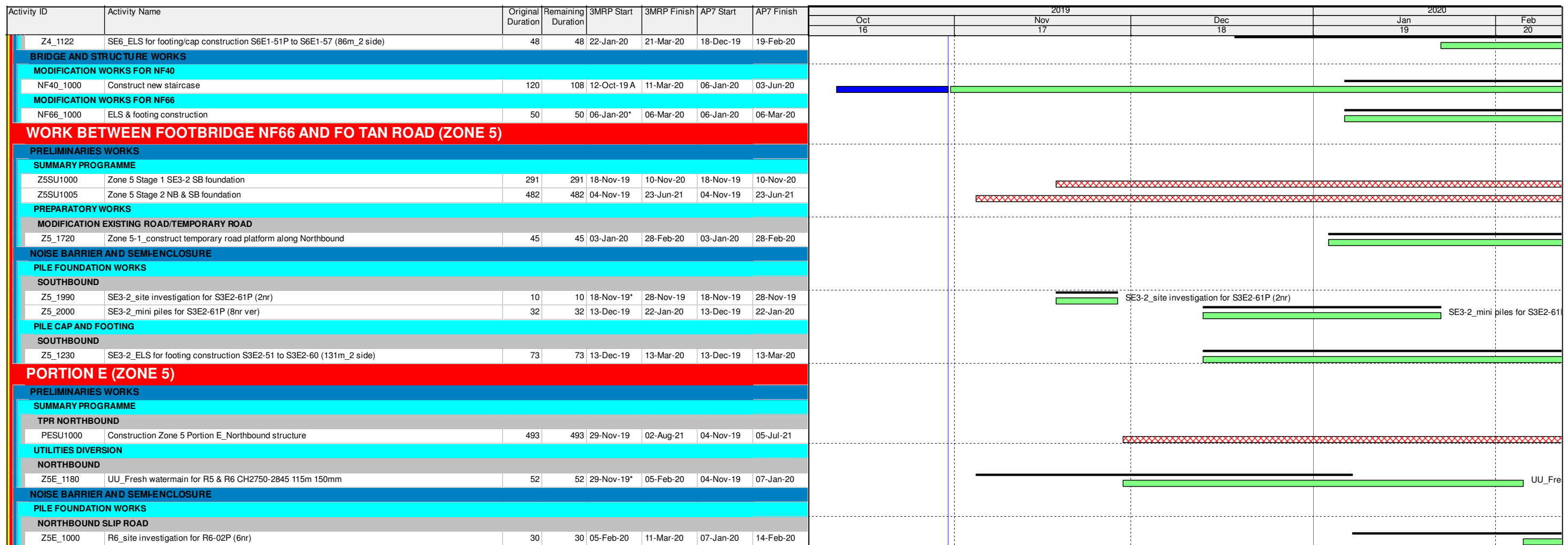
Date	Revision	Checked	Approved
08-Nov-19	3MRP DWP 1910	Tim	

Activity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP7 Start	AP7 Finish	2019			2020	
								Oct 16	Nov 17	Dec 18	Jan 19	Feb 20
Z3_3110	UU_GAS-diversion LP pipe for N263 CH1825-1960 135m	38	38	29-Nov-19	16-Jan-20	06-Nov-19	20-Dec-19					
Z3_3120	UU_Fresh watermain for Staircase & N263 150PE	23	23	17-Dec-19	16-Jan-20	23-Nov-19	20-Dec-19					
Z3_5680	UU_Construct combine UU trough between cycle track and RW1 Stage 1	60	60	04-Nov-19*	15-Jan-20	04-Nov-19	15-Jan-20					
<b>MODIFICATION OF BRIDGE N263</b>												
<b>RECONSTRUCTION ABUTMENT WALL AT NHA</b>												
Z3_4110	NAW-1_construct ELS & piling platform	42	25	29-Jul-19 A	29-Nov-19	30-Sep-19	19-Nov-19					
Z3_4115	NAW-1_site investigation (2nr)	10	10	29-Nov-19	11-Dec-19	31-Oct-19	12-Nov-19					
Z3_4120	NAW-1_piling works for new NHA wall (23nr socket H-pile)	161	161	30-Dec-19	18-Jul-20	28-Nov-19	17-Jun-20					
Z3_4150	NAW-2_construct ELS & piling platform	42	42	31-Oct-19	18-Dec-19	30-Sep-19	19-Nov-19					
Z3_4155	NAW-2_site investigation (2nr)	10	10	11-Dec-19	23-Dec-19	12-Nov-19	23-Nov-19					
Z3_4160	NAW-2_piling works for new NHA wall (16nr socket H-pile)	112	112	11-Jan-20	01-Jun-20	10-Dec-19	02-May-20					
<b>MODIFICATION EXISTING PIER WALL OF N263</b>												
Z3_3870	SAW-1_piling works for new south abutment wall (3nr 1.5m bored pile)	42	42	16-Jan-20	09-Mar-20	20-Dec-19	14-Feb-20					
Z3_3910	SAW-2 & 3_piling works for new south abutment wall (4nr 1.5m bored pile)	56	50	15-Oct-19 A	16-Jan-20	16-Oct-19	20-Dec-19					
Z3_3920	SAW-2 & 3_pile testing	28	28	16-Jan-20	13-Feb-20	20-Dec-19	17-Jan-20					
<b>MODIFICATION OF BRIDGE N262</b>												
Z3_3510	C02_piling works 4nr mini pile	16	16	29-Nov-19	17-Dec-19	29-Nov-19	17-Dec-19					
Z3_3540	C03_piling works 7nr mini pile	24	24	01-Nov-19*	28-Nov-19	01-Nov-19	28-Nov-19					
Z3_3550	C03_ELS & pile cap construction	30	30	29-Jan-20	03-Mar-20	30-Dec-19	06-Feb-20					
<b>NEW SLIP ROAD 2</b>												
Z3_5325	SR2-1_site investigation (3nr)	15	10	11-Jun-19 A	07-Jan-20	15-Oct-19	31-Oct-19					
<b>RETAINING WALL &amp; SUBWAY</b>												
<b>RETAINING WALL NO.1</b>												
Z3_4550	RW1_demolish existing retaining structure between Bay 101 and Bay 104	45	45	16-Jan-20	11-Mar-20	16-Jan-20	11-Mar-20					
<b>RETAINING WALL NO.6</b>												
Z3_1218_1000	RW6_ELS works for Bay 601 to Bay 606 (45m_2 side)	25	19	12-Jul-19 A	06-Dec-19	02-Sep-19	02-Oct-19					
Z3_1218_1010	RW6_base slab construction for Bay 601 to Bay 606	48	48	15-Nov-19	13-Jan-20	17-Oct-19	11-Dec-19					
Z3_1218_1020	RW6_retaining wall construction for Bay 601 to Bay 606	72	72	13-Dec-19	12-Mar-20	14-Nov-19	12-Feb-20					
Z3_1218_1040	RW6_soldier pile wall & ELS for Bay 607 to Bay 614 (52nr)	58	58	15-Nov-19*	24-Jan-20	17-Oct-19	23-Dec-19					
Z3_1218_1050	RW6_base slab construction for Bay 613 & Bay 614	16	16	14-Jan-20	04-Feb-20	12-Dec-19	02-Jan-20					
<b>RETAINING WALL NO.7</b>												
Z3_1218_2000	RW7_ELS works for Bay 706 to Bay 711 (54m_2 side)	30	24	26-Jul-19 A	28-Apr-20	02-Mar-20	06-Apr-20					
Z3_1218_2040	RW7_soldier pile wall & ELS for Bay 701 to Bay 705 (62nr)	69	69	11-Dec-19	06-Mar-20	12-Nov-19	06-Feb-20					
Z3_1218_2050	RW7_base slab construction for Bay 701 & Bay 704	32	32	08-Feb-20	16-Mar-20	07-Jan-20	15-Feb-20					
<b>MODIFY EXISTING RETAINING WALL SR4</b>												
Z3_5070	SR4_ELS works for Bay SR401 to Bay SR405 (90m_1 side)	13	13	24-Dec-19	10-Jan-20	25-Nov-19	09-Dec-19					
Z3_5080	SR4_base slab construction for Bay SR401 to Bay SR405	20	20	15-Jan-20	10-Feb-20	13-Dec-19	08-Jan-20					
Z3_5110	SR4_ELS works for Bay SR406 to Bay SR409 (80m_1 side)	11	11	11-Dec-19	23-Dec-19	12-Nov-19	23-Nov-19					
Z3_5120	SR4_base slab construction for Bay SR406 to Bay SR409	16	16	24-Dec-19	14-Jan-20	25-Nov-19	12-Dec-19					
Z3_5130	SR4_retaining wall construction for Bay SR406 to SR409	24	24	15-Jan-20	14-Feb-20	13-Dec-19	13-Jan-20					
<b>MODIFY EXISTING SUBWAY NS30</b>												
Z3_5200	Demolish existing subway & construct NS30	160	160	16-Jan-20	01-Aug-20	16-Jan-20	01-Aug-20					
<b>WORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)</b>												
<b>PRELIMINARIES WORKS</b>												
<b>SUMMARY PROGRAMME</b>												
Z4SU1000	Zone 4 Stage 1 SE6 51 to 57	154	154	24-Dec-19	07-Jul-20	22-Nov-19	03-Jun-20					
Z4SU1005	Zone 4 Stage 2 NB & SB foundation	450	450	29-Nov-19	10-Jun-21	06-Nov-19	14-May-21					
Z4SU1100	Zone 4 NF66 Construction	230	230	06-Jan-20	14-Oct-20	06-Jan-20	14-Oct-20					
Z4SU1110	Zone 4 NF40 Construction	387	375	12-Oct-19 A	02-Feb-21	06-Jan-20	28-Apr-21					
<b>UTILITIES DIVERSION</b>												
<b>NORTHBOUND</b>												
Z4_1290	UU_CLP-abandoned 33kv cable for N4&SE6 CH2150-2160 20m (Abandoned)	0	0	22-Jan-20	22-Jan-20	18-Dec-19	18-Dec-19					
Z4_1300	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5	31-Oct-19	05-Nov-19	30-Sep-19	05-Oct-19					
Z4_1310	UU_HKT-slew cable for SE6 CH2180-2300 120m	14	14	06-Jan-20	22-Jan-20	02-Dec-19	18-Dec-19					
Z4_1490	UU_Fresh watermain for N4 CH2300-2550 250m 600mm (Additional)	120	120	04-Nov-19*	30-Mar-20	04-Nov-19	30-Mar-20					
Z4_1500	UU_Fresh watermain for N4 CH2000-2100 100m 200mm (Additional)	60	60	29-Nov-19	14-Feb-20	06-Nov-19	17-Jan-20					
<b>SOUTHBOUND</b>												
Z4_1340	UU_CLP-slew 132kv cable for NF40 CH2090-2175 85m	10	10	31-Oct-19	11-Nov-19	30-Sep-19	12-Oct-19					
Z4_1350	UU_CLP-slew 11kv cable for NF40 CH2120-2150 30m	4	4	31-Oct-19	04-Nov-19	30-Sep-19	04-Oct-19					
Z4_1370	UU_Fresh watermain for SE6 CH2130-2150 20m	21	21	29-Nov-19	24-Dec-19	29-Oct-19	22-Nov-19					
<b>NOISE BARRIER AND SEMI-ENCLOSURE</b>												
<b>PILE FOUNDATION WORKS</b>												
<b>SOUTHBOUND</b>												
Z4_1110	SE6_site investigation for S6E1-51P (2nr)	10	10	24-Dec-19*	08-Jan-20	22-Nov-19	04-Dec-19					
Z4_1120	SE6_mini piles for S6E1-51P (10nr ver)	40	40	22-Jan-20	12-Mar-20	18-Dec-19	10-Feb-20					
<b>PILE CAP AND FOOTING</b>												
<b>SOUTHBOUND</b>												

- Remaining Level of Effort
- Remaining Work
- Actual Level of Effort
- Critical Remaining Work
- Primary Baseline
- Milestone
- Actual Work
- Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/10/19)**

Date	Revision	Checked	Approved
08-Nov-19	3MRP DWP 1910	Tim	



-  Remaining Level of Effort
-  Remaining Work
-  Actual Level of Effort
-  Critical Remaining Work
-  Primary Baseline
-  Milestone
-  Actual Work
-  Baseline Milestone

**ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)**  
**3 Months Rolling Programme (31/10/19)**  
**Page 4 of 4**

Date	Revision	Checked	Approved
08-Nov-19	3MRP DWP 1910	Tim	



# FUGRO TECHNICAL SERVICES LIMITED

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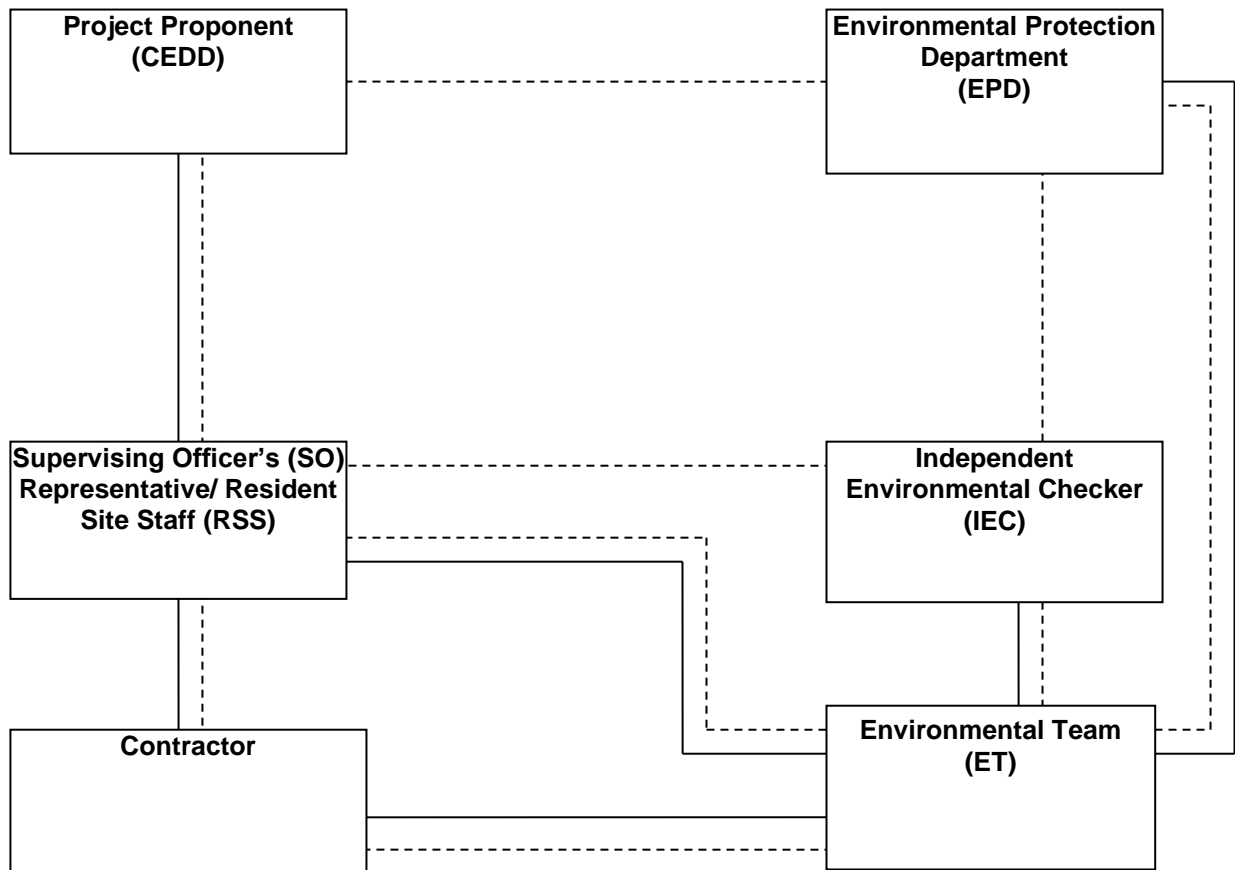
## Appendix B

### Project Organization Chart

# FUGRO TECHNICAL SERVICES LIMITED

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**Legend:**  
—— Line of Reporting  
- - - Line of Communication

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## Appendix C

### Action and Limit Levels for Air Quality and Noise

# FUGRO TECHNICAL SERVICES LIMITED

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## Action and Limit Levels for 24-hr TSP and 1-hr TSP

Parameter	Monitoring Station	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	AMS 1	171	260
	AMS 2	166	
	AMS 3A	200	
	AMS 4A	200	
	AMS 6	165	
	AMS 7A	171	
	AMS 8	161	
	AMS 9	159	
	AMS 12	168	
	AMS 13	174	
	AMS 14	174	
	AMS 15	172	
1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	AMS 1	350	500
	AMS 2	324	
	AMS 3A	350	
	AMS 4A	348	
	AMS 6	347	
	AMS 7A	344	
	AMS 8	336	
	AMS 9	327	
	AMS 12	296	
	AMS 13	303	
	AMS 14	350	
	AMS 15	350	



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## Action and Limit Levels for Construction Noise, Leq (30min), dB(A)

Time Period	Location	Action	Limit
0700-1900 hrs on normal weekdays	NMS1	When one documented complaint is received	75 dB(A)
	NMS2		
	NMS3		
	NMS4		
	NMS5A		
	NMS6A		
	NMS7		
	NMS8		
	NMS9		
	NMS10A*		
	NMS11		
	NMS12*		
	NMS13		
	NMS14		
	NMS15		
	NMS16		
	NMS17*		
	NMS18		
	NMS19		
	NMS20		
NMS23			
NMS24			
NMS25A			
NMS26			
NMS27*			

\* For NMS 10A, 12, 17 and 27, the Limit Level is reduced to 70 dB(A) for schools and 65 dB(A) during school examination periods.

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## Action and Limit Levels for Construction Noise, Leq (15min), dB(A)

Time Period	Location	Action	Limit
2300-0700 hrs of next day	NMS1 NMS2 NMS3 NMS4 NMS5A NMS6A NMS7 NMS8 NMS9 NMS11 NMS13 NMS14 NMS15 NMS16 NMS18 NMS19 NMS20 NMS23 NMS24 NMS25A NMS26	When one documented complaint is received	55 dB(A)

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### **Appendix D**

#### **Graphical Presentation of Monitoring Data**

**1-hour TSP Impact Monitoring Result for  
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sh**

**AMS 1 Scenery Court**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )										
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather		
3-Jan-19	12:00	70	66	66	67	350	500	Cloudy		
9-Jan-19	8:30	46	50	50	49			Fine		
15-Jan-19	10:00	48	50	52	50			Cloudy		
21-Jan-19	13:36	63	78	69	70			Fine		
25-Jan-19	14:20	62	64	73	66			Fine		
31-Jan-19	8:30	29	31	33	31			Fine		
4-Mar-19	8:57	62	66	58	62			Fine		
8-Mar-19	10:30	23	23	12	19			Cloudy		
14-Mar-19	11:30	55	46	45	49			Cloudy		
20-Mar-19	9:52	48	39	43	43			Fine		
26-Mar-19	8:46	24	31	29	28			Sunny		
1-Apr-19	9:15	57	69	80	69			Overcast		
6-Apr-19	9:19	89	79	77	82			Hazy		
12-Apr-19	9:48	22	70	41	44			Cloudy		
17-Apr-19	9:00	53	45	55	51			Sunny		
23-Apr-19	10:00	65	55	69	63			Sunny		
29-Apr-19	15:46	37	39	48	41			Overcast		
<b>Average</b>			52							
<b>Max</b>			89							
<b>Min</b>			12							

**AMS 2 Villa Le Parc**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )										
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather		
4-Dec-18	13:09	18	12	11	14	324	500	Sunny		
10-Dec-18	15:13	41	44	44	43			Fine		
14-Dec-18	15:56	99	99	130	109			Fine		
20-Dec-18	15:00	62	62	60	61			Fine		
24-Dec-18	9:00	65	63	63	64			Fine		
28-Dec-18	13:15	60	60	58	59			Fine		
4-Feb-19	10:40	48	46	45	46			Fine		
8-Feb-19	10:56	45	45	42	44			Fine		
14-Feb-19	10:57	45	40	38	41			Fine		
20-Feb-19	11:13	24	20	16	20			Fine		
26-Feb-19	10:00	26	24	20	23			Sunny		
4-Mar-19	12:00	51	49	45	48			Cloudy		
8-Mar-19	14:56	50	55	61	55			Fine		
14-Mar-19	14:15	60	49	53	54			Cloudy		
20-Mar-19	15:10	45	42	53	47			Fine		
26-Mar-19	10:49	40	43	40	41			Fine		
1-Apr-19	9:46	116	96	81	98			Overcast		
6-Apr-19	11:29	129	101	73	101			Hazy		
12-Apr-19	15:02	23	30	48	34			Cloudy		
17-Apr-19	12:32	24	20	26	23			Sunny		
23-Apr-19	14:17	52	24	33	36			Sunny		
29-Apr-19	15:46	37	39	48	41			Overcast		
<b>Average</b>			50							
<b>Max</b>			130							
<b>Min</b>			11							

**AMS 3A - Wai Wah Centre**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )										
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather		
4-Dec-18	15:42	39	48	45	44	350	500	Fine		
10-Dec-18	15:12	57	61	68	62			Fine		
14-Dec-18	15:45	91	91	132	105			Fine		
20-Dec-18	14:30	91	86	86	88			Fine		
24-Dec-18	14:25	55	48	46	50			Fine		
28-Dec-18	15:41	75	77	77	76			Fine		
4-Feb-19	15:15	42	54	67	54			Fine		
8-Feb-19	15:53	66	72	72	70			Fine		
14-Feb-19	11:28	56	42	46	48			Fine		
20-Feb-19	10:52	82	78	71	77			Fine		
26-Feb-19	15:00	59	64	70	64			Sunny		
4-Nov-19	9:00	87	82	82	84			Fine		
9-Nov-19	12:04	56	47	49	51			Fine		
15-Nov-19	10:34	70	52	61	61			Fine		
21-Nov-19	9:03	142	137	135	138			Fine		
27-Nov-19	10:32	101	87	88	92			Fine		
<b>Average</b>			85							
<b>Max</b>			142							
<b>Min</b>			47							

- Remark
1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
  2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.



**1-hour TSP Impact Monitoring Result for  
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sh**

**AMS 4A - Wai Wah Centre**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )										
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather		
3-Jan-19	12:30	78	78	74	77	348	500	Cloudy		
9-Jan-19	10:00	128	108	108	115			Fine		
15-Jan-19	15:00	71	69	68	69			Cloudy		
21-Jan-19	15:00	79	81	100	87			Fine		
25-Jan-19	10:00	69	59	45	58			Fine		
31-Jan-19	15:20	64	73	82	73			Fine		
4-Mar-19	11:00	64	67	69	67			Fine		
8-Mar-19	10:30	81	80	77	79			Cloudy		
14-Mar-19	14:47	83	97	86	89			Cloudy		
20-Mar-19	15:45	59	64	62	62			Fine		
26-Mar-19	15:41	41	46	43	43			Sunny		
1-Apr-19	9:08	107	85	67	86			Overcast		
6-Apr-19	11:19	116	96	79	97			Hazy		
12-Apr-19	14:13	74	43	55	57			Cloudy		
17-Apr-19	13:10	33	35	39	36			Sunny		
23-Apr-19	13:04	33	30	22	28			Sunny		
29-Apr-19	15:41	39	40	38	39			Overcast		
3-Jun-19	15:11	105	97	86	96			Overcast		
8-Jun-19	10:05	88	95	93	92			Sunny		
14-Jun-19	8:09	93	106	102	100			Overcast		
19-Jun-19	10:10	109	101	99	103			Sunny		
25-Jun-19	15:32	33	37	41	37			Fine		
29-Jun-19	12:21	45	45	39	43			Fine		
5-Jul-19	11:12	91	91	88	90			Sunny		
11-Jul-19	8:47	79	68	60	69			Sunny		
17-Jul-19	15:08	57	77	79	71			Sunny		
23-Jul-19	11:14	91	79	96	89			Sunny		
29-Jul-19	9:42	76	76	83	78			Sunny		
3-Aug-19	15:00	98	102	98	99			Overcast		
9-Aug-19	10:09	77	62	57	65			Sunny		
15-Aug-19	9:13	66	74	63	68			Sunny		
21-Aug-19	14:47	51	57	53	54			Sunny		
27-Aug-19	11:34	94	94	81	90			Fine		
2-Sep-19	8:42	94	94	81	90			Overcast		
7-Sep-19	15:00	107	126	133	122			Fine		
12-Sep-19	11:01	78	78	78	78			Fine		
18-Sep-19	14:42	120	126	116	121			Fine		
24-Sep-19	13:00	100	108	102	103			Sunny		
30-Sep-19	13:34	42	50	48	47			Fine		
5-Oct-19	11:39	104	102	104	103			Sunny		
11-Oct-19	15:42	136	147	140	141			Sunny		
17-Oct-19	13:24	57	68	69	65			Fine		
23-Oct-19	15:18	135	137	139	137			Sunny		
29-Oct-19	15:32	72	76	80	76			Fine		
<b>Average</b>					79					
<b>Max</b>					147					
<b>Min</b>					22					

**AMS 6 - Shatin Plaza**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )										
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather		
4-Mar-19	9:56	92	83	96	90	347	500	Fine		
8-Mar-19	12:40	49	52	43	48			Cloudy		
14-Mar-19	11:30	77	72	72	74			Cloudy		
20-Mar-19	15:00	66	69	72	69			Fine		
26-Mar-19	15:43	94	107	103	101			Sunny		
1-Apr-19	9:40	46	55	50	50			Overcast		
6-Apr-19	9:07	89	97	106	97			Hazy		
12-Apr-19	9:58	45	97	68	70			Cloudy		
17-Apr-19	13:00	64	65	84	71			Sunny		
23-Apr-19	9:30	73	82	64	73			Sunny		
29-Apr-19	15:41	39	40	38	39			Overcast		
4-May-19	11:05	50	66	69	62			Fine		
10-May-19	9:25	57	55	64	59			Sunny		
16-May-19	10:00	75	82	69	75			Sunny		
22-May-19	8:28	48	46	52	49			Fine		
28-May-19	9:08	78	73	71	74			Overcast		
3-Aug-19	12:11	98	104	97	100			Overcast		
9-Aug-19	15:31	78	59	97	78			Sunny		
15-Aug-19	14:43	80	80	74	78			Sunny		
21-Aug-19	9:04	55	49	49	51			Sunny		
27-Aug-19	9:01	78	73	70	74			Fine		
2-Sep-19	14:11	78	78	64	73			Overcast		
7-Sep-19	11:30	107	105	103	105			Fine		
12-Sep-19	11:30	59	63	67	63			Fine		
18-Sep-19	15:58	81	91	98	90			Fine		
24-Sep-19	12:40	92	100	90	94			Sunny		
30-Sep-19	12:11	38	41	41	40			Fine		
5-Oct-19	15:35	60	62	70	64			Sunny		
11-Oct-19	15:12	107	116	114	112			Sunny		
17-Oct-19	15:35	64	67	75	69			Fine		
23-Oct-19	15:45	91	89	100	93			Sunny		
29-Oct-19	13:48	52	60	56	56			Fine		
4-Nov-19	9:14	63	52	54	56			Fine		
9-Nov-19	12:26	48	39	39	42			Fine		
15-Nov-19	13:11	73	66	65	68			Fine		
21-Nov-19	9:15	113	107	95	105			Fine		
27-Nov-19	11:44	75	74	66	72			Fine		
<b>Average</b>					73					
<b>Max</b>					116					
<b>Min</b>					38					

- Remark
1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
  2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

**1-hour TSP Impact Monitoring Result for  
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sh**

**AMS 7A - Sheung Wo Che**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )								
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Dec-18	15:49	17	20	21	19	344	500	Sunny
10-Dec-18	10:24	44	33	39	39			Fine
14-Dec-18	15:56	96	106	106	103			Fine
20-Dec-18	9:30	95	96	95	95			Fine
24-Dec-18	14:08	42	52	48	47			Fine
28-Dec-18	9:00	67	62	60	63			Fine
4-May-19	14:46	25	25	24	25			Fine
10-May-19	11:56	47	44	40	44			Sunny
16-May-19	15:35	42	45	51	46			Sunny
22-May-19	15:01	81	81	90	84			Fine
28-May-19	13:14	105	114	92	104			Overcast
3-Jun-19	11:19	78	84	80	81			Overcast
8-Jun-19	15:05	76	81	81	79			Sunny
14-Jun-19	12:07	61	68	65	65			Overcast
19-Jun-19	15:03	77	80	84	80			Sunny
25-Jun-19	15:49	134	141	141	139			Fine
29-Jun-19	15:19	23	21	23	22			Fine
5-Jul-19	13:25	86	79	93	86			Sunny
11-Jul-19	15:18	71	73	79	74			Sunny
17-Jul-19	11:41	41	52	56	50			Sunny
23-Jul-19	10:18	49	41	54	48			Sunny
29-Jul-19	15:11	49	51	53	51			Sunny
3-Aug-19	15:00	97	101	99	99			Overcast
9-Aug-19	11:06	71	77	67	72			Sunny
15-Aug-19	11:48	78	74	69	74			Sunny
21-Aug-19	13:30	94	101	87	94			Sunny
27-Aug-19	12:23	73	81	63	72			Fine
2-Sep-19	10:10	67	67	69	68			Overcast
7-Sep-19	15:18	83	90	92	88			Fine
12-Sep-19	12:08	70	78	62	70			Fine
18-Sep-19	13:16	102	99	101	101			Fine
24-Sep-19	12:30	106	117	110	111			Sunny
30-Sep-19	15:44	63	65	63	64			Fine
5-Oct-19	13:51	66	71	71	69			Sunny
11-Oct-19	14:12	87	91	80	86			Sunny
17-Oct-19	10:52	65	74	72	70			Fine
23-Oct-19	10:15	69	56	65	63			Sunny
29-Oct-19	14:26	44	48	52	48			Fine
4-Nov-19	10:02	81	81	76	79			Fine
9-Nov-19	13:26	48	40	37	42			Fine
15-Nov-19	14:44	77	61	84	74	Fine		
21-Nov-19	9:28	100	91	89	93	Fine		
27-Nov-19	13:16	71	56	53	60	Fine		
<b>Average</b>		71						
<b>Max</b>		141						
<b>Min</b>		17						

**AMS 8 - Lek Yuen Estate**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )										
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather		
3-Jun-19	15:12	68	66	76	70	336	500	Overcast		
8-Jun-19	15:19	67	70	76	71			Sunny		
14-Jun-19	11:31	96	99	86	94			Overcast		
19-Jun-19	12:02	66	69	77	71			Sunny		
25-Jun-19	8:37	149	103	109	120			Fine		
29-Jun-19	15:31	23	25	29	26			Fine		
5-Jul-19	15:12	89	95	100	95			Sunny		
11-Jul-19	9:47	87	79	72	79			Sunny		
17-Jul-19	12:11	44	44	44	44			Sunny		
23-Jul-19	14:04	81	81	79	80			Sunny		
29-Jul-19	13:07	64	60	57	60			Sunny		
<b>Average</b>		74								
<b>Max</b>		149								
<b>Min</b>		23								

**AMS 9 Shatin Tsung Tsin School**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )								
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Dec-18	10:50	28	24	26	26	327	500	Sunny
10-Dec-18	10:00	27	27	29	28			Fine
14-Dec-18	15:45	89	98	98	95			Fine
20-Dec-18	10:00	60	64	64	62			Fine
24-Dec-18	13:45	33	41	43	39			Fine
28-Dec-18	10:00	57	63	65	62			Fine
<b>Average</b>		52						
<b>Max</b>		98						
<b>Min</b>		24						

- Remark
1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
  2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

**1-hour TSP Impact Monitoring Result for  
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sh**

**AMS 12 - Fung Wo Estate**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )									
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather	
3-Jan-19	14:00	79	77	76	77	296	500	Cloudy	
9-Jan-19	15:00	81	69	67	72			Fine	
15-Jan-19	15:30	67	69	71	69			Cloudy	
21-Jan-19	14:00	98	83	83	88			Fine	
25-Jan-19	12:17	49	33	27	36			Fine	
31-Jan-19	12:30	68	66	69	68			Fine	
4-May-19	12:00	32	32	32	32			Fine	
10-May-19	11:57	92	52	52	65			Sunny	
16-May-19	12:13	79	83	70	77			Sunny	
22-May-19	14:43	55	58	56	56			Fine	
28-May-19	12:06	52	58	55	55			Overcast	
4-Nov-19	10:20	71	60	56	62			Fine	
9-Nov-19	14:02	40	36	29	35			Fine	
15-Nov-19	15:20	72	70	57	66			Fine	
21-Nov-19	9:37	66	58	58	61			Fine	
27-Nov-19	13:45	89	84	88	87			Fine	
<b>Average</b>		63							
<b>Max</b>		98							
<b>Min</b>		27							

**AMS13 - Fung Wo Estate**

1-hour TSP ( $\mu\text{g}/\text{m}^3$ )								
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Feb-19	15:40	46	48	56	50	303	500	Fine
8-Feb-19	13:11	57	56	55	56			Fine
14-Feb-19	15:14	54	58	62	58			Fine
20-Feb-19	11:52	41	26	23	30			Fine
26-Feb-19	15:17	64	65	73	67			Sunny
3-Jun-19	13:37	53	57	57	56			Overcast
8-Jun-19	10:25	80	61	61	67	303	500	Sunny
14-Jun-19	10:13	76	74	67	72			Overcast
19-Jun-19	9:37	101	106	104	104			Sunny
25-Jun-19	15:26	53	53	57	54			Fine
29-Jun-19	10:46	43	37	35	38			Fine
<b>Average</b>		59						
<b>Max</b>		106						
<b>Min</b>		23						

**AMS 14 - Ha Wo Che**

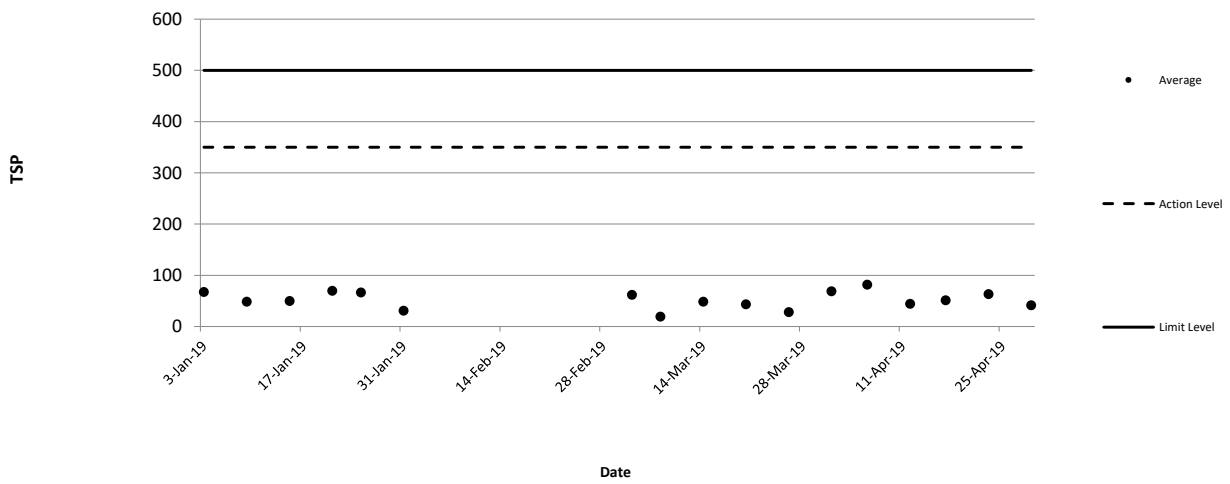
1-hour TSP ( $\mu\text{g}/\text{m}^3$ )								
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Feb-19	8:45	67	71	67	69	350	500	Fine
8-Feb-19	9:30	90	71	96	86			Fine
14-Feb-19	10:00	35	26	39	34			Fine
20-Feb-19	10:00	43	44	52	46			Fine
26-Feb-19	14:00	57	69	72	66			Sunny
<b>Average</b>		60						
<b>Max</b>		96						
<b>Min</b>		26						

**AMS15 - Ha Wo Che**

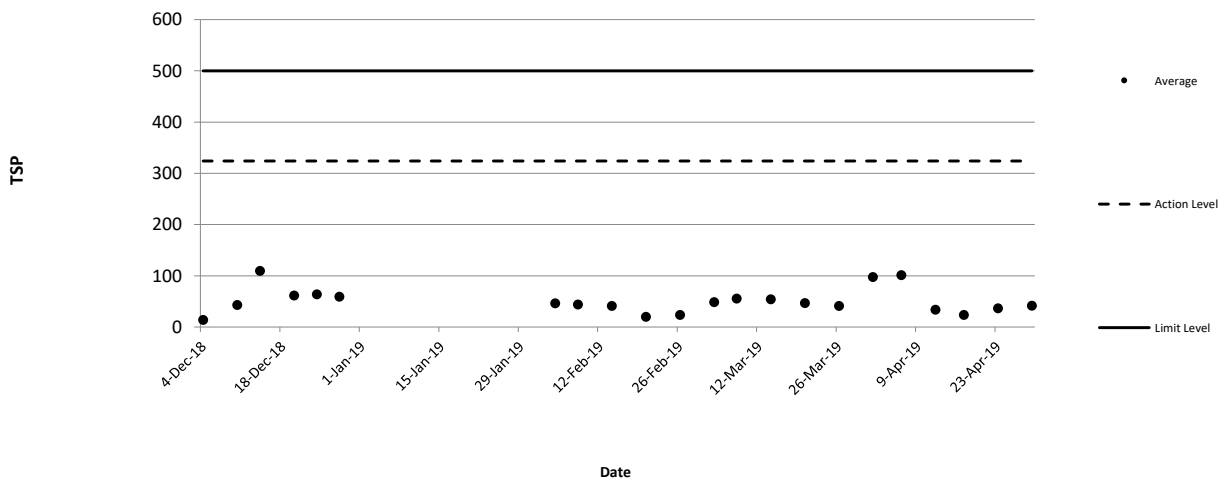
1-hour TSP ( $\mu\text{g}/\text{m}^3$ )								
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
3-Jan-19	9:00	74	76	76	75	350	500	Cloudy
9-Jan-19	14:00	33	33	39	35			Fine
15-Jan-19	10:15	53	55	57	55			Cloudy
21-Jan-19	9:30	50	35	46	44			Fine
25-Jan-19	12:30	68	66	69	68			Fine
31-Jan-19	9:00	48	52	59	53			Fine
4-May-19	9:36	72	77	70	73			Fine
10-May-19	13:45	81	86	74	80			Sunny
16-May-19	10:40	57	63	72	64			Sunny
22-May-19	13:07	68	64	73	68			Fine
28-May-19	14:00	50	39	53	47			Overcast
5-Jul-19	15:40	59	57	61	59			Sunny
11-Jul-19	14:07	72	79	84	78			Sunny
17-Jul-19	15:41	74	83	77	78			Sunny
23-Jul-19	14:18	77	81	88	82			Sunny
29-Jul-19	12:27	85	86	79	83			Sunny
3-Aug-19	14:00	54	54	56	55			#REF!
9-Aug-19	14:41	87	92	91	90			#REF!
15-Aug-19	15:59	68	68	63	66			#REF!
21-Aug-19	15:50	72	87	91	83			#REF!
27-Aug-19	13:27	69	75	71	72			#REF!
2-Sep-19	11:04	68	71	68	69			#REF!
7-Sep-19	9:31	52	44	50	49			#REF!
12-Sep-19	8:30	70	70	67	69			#REF!
18-Sep-19	14:22	78	78	74	77			#REF!
24-Sep-19	15:50	77	71	79	76			#REF!
30-Sep-19	14:47	50	53	48	50			#REF!
5-Oct-19	15:48	54	60	60	58			#REF!
11-Oct-19	15:26	67	67	63	66			#REF!
17-Oct-19	15:15	63	72	70	68			#REF!
23-Oct-19	13:31	91	91	87	90	#REF!		
29-Oct-19	10:10	64	68	68	67	#REF!		
<b>Average</b>		67						
<b>Max</b>		92						
<b>Min</b>		33						

- Remark
1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
  2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

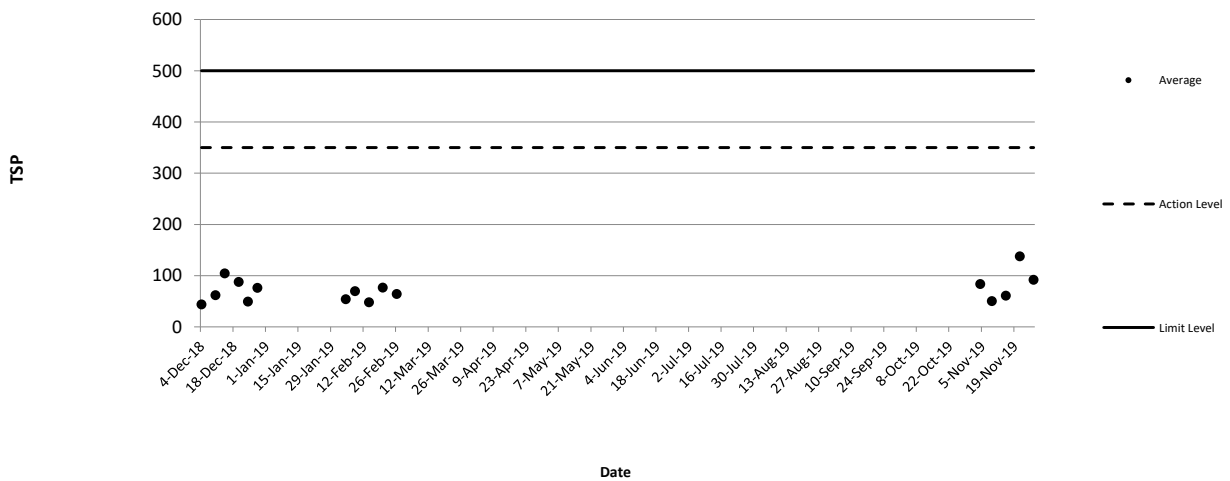
### 1-hr TSP Monitoring record for AMS1



### 1-hr TSP Monitoring record for AMS 2

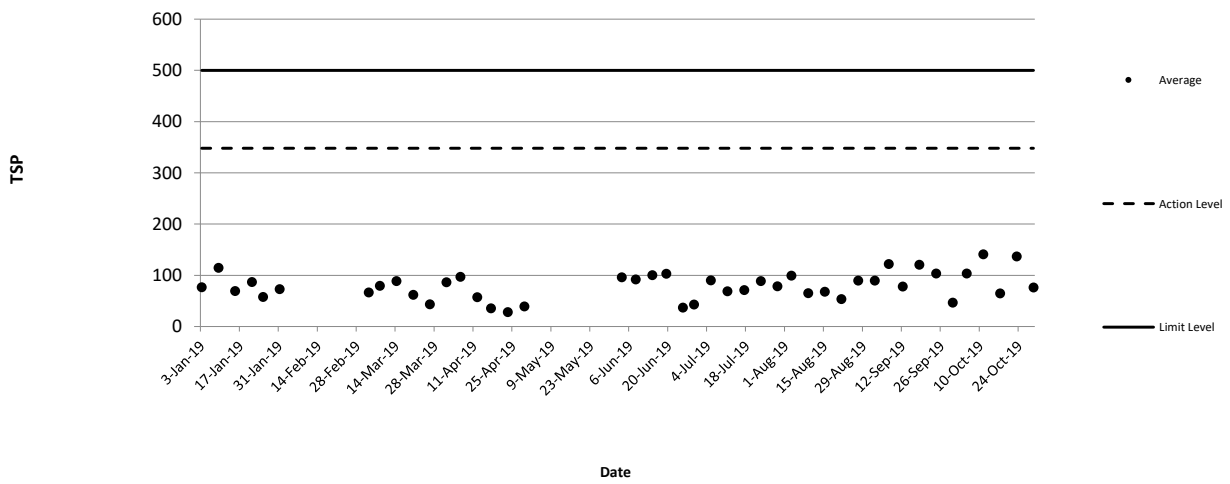


### 1-hr TSP Monitoring record for AMS 3A

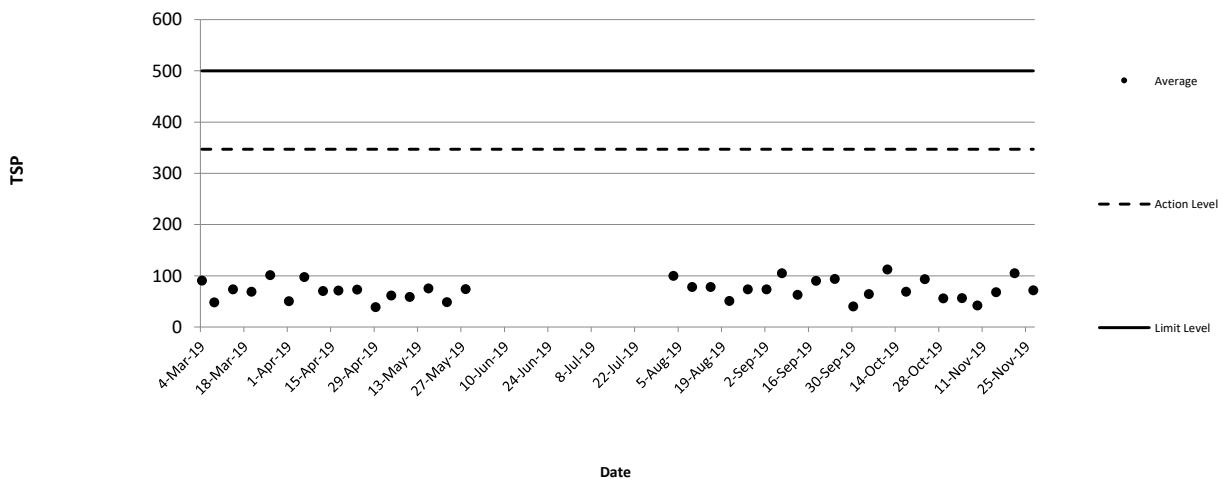




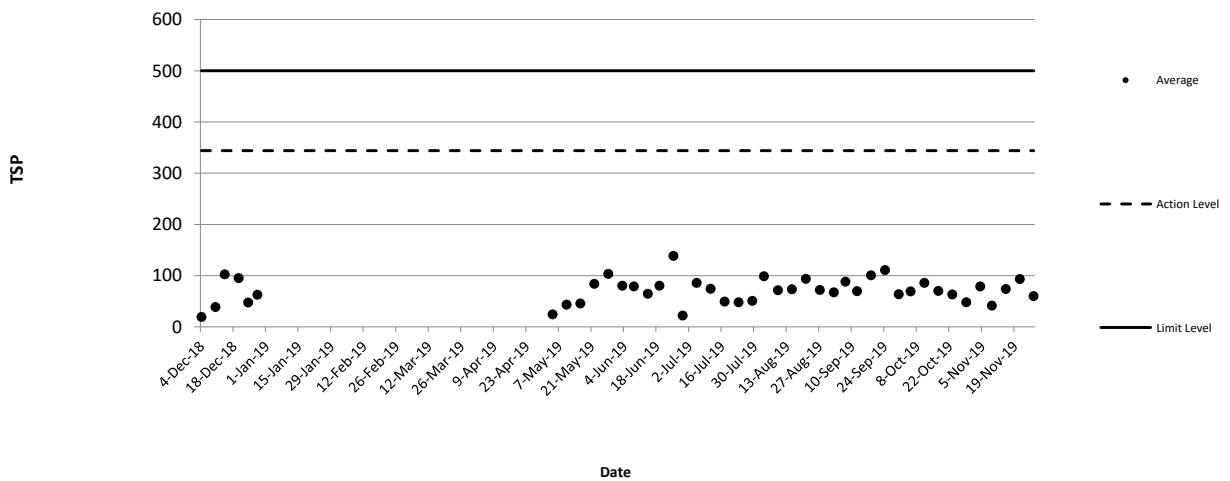
### 1-hr TSP Monitoring record for AMS 4A



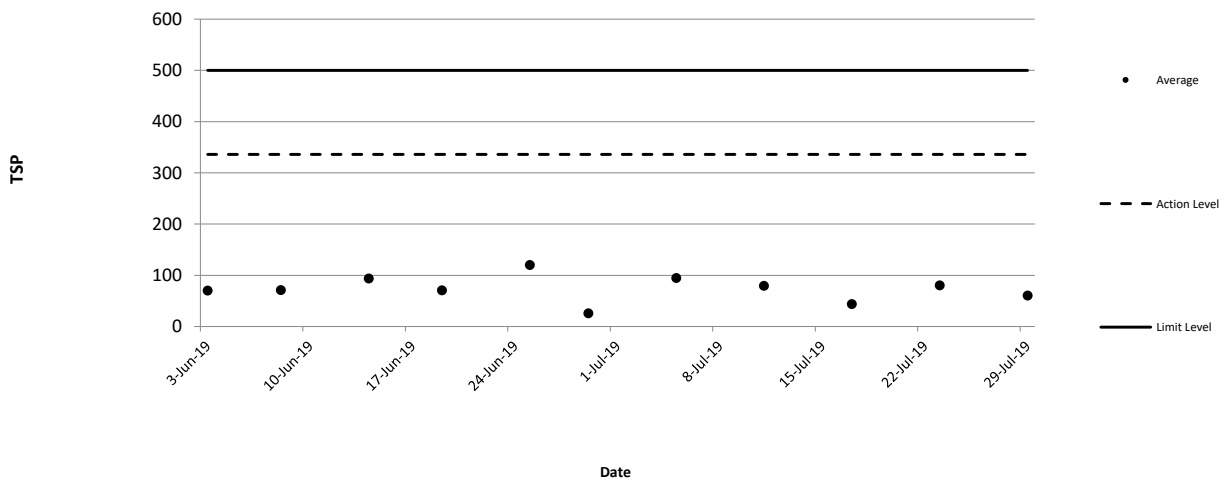
### 1-hr TSP Monitoring record for AMS 6



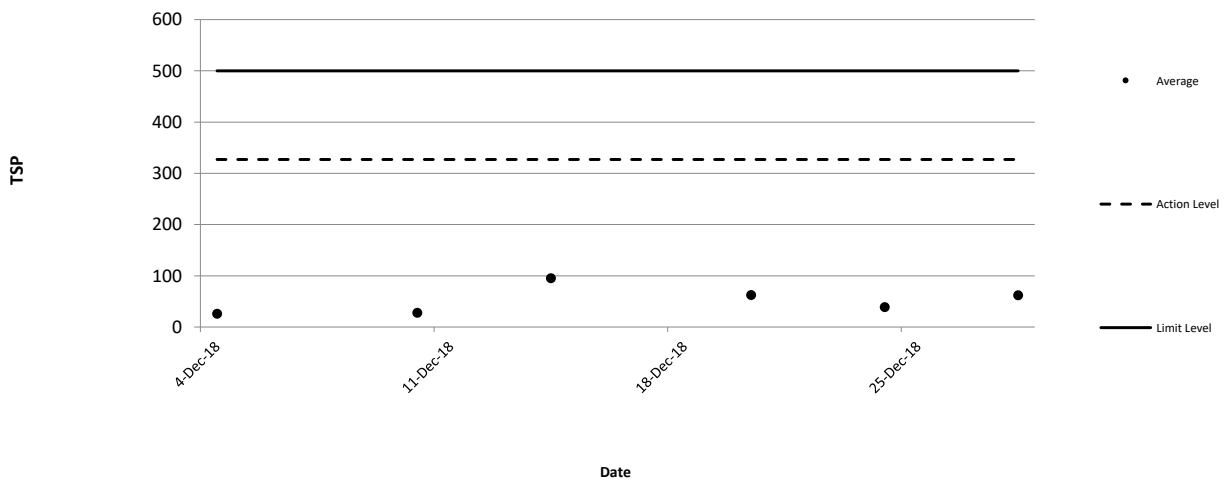
### 1-hr TSP Monitoring record for AMS 7A



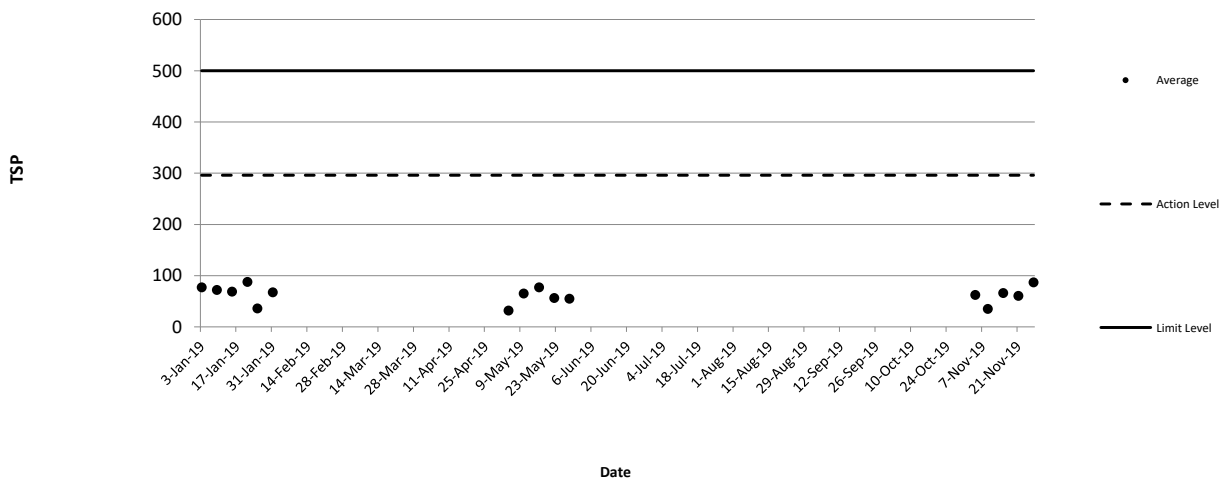
### 1-hr TSP Monitoring record for AMS 8



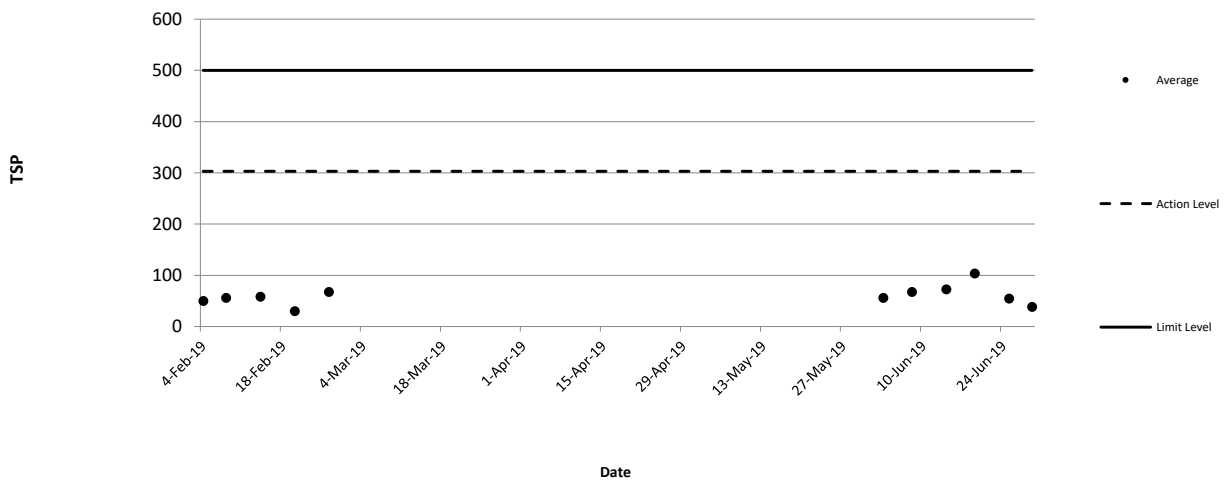
### 1-hr TSP Monitoring record for AMS 9



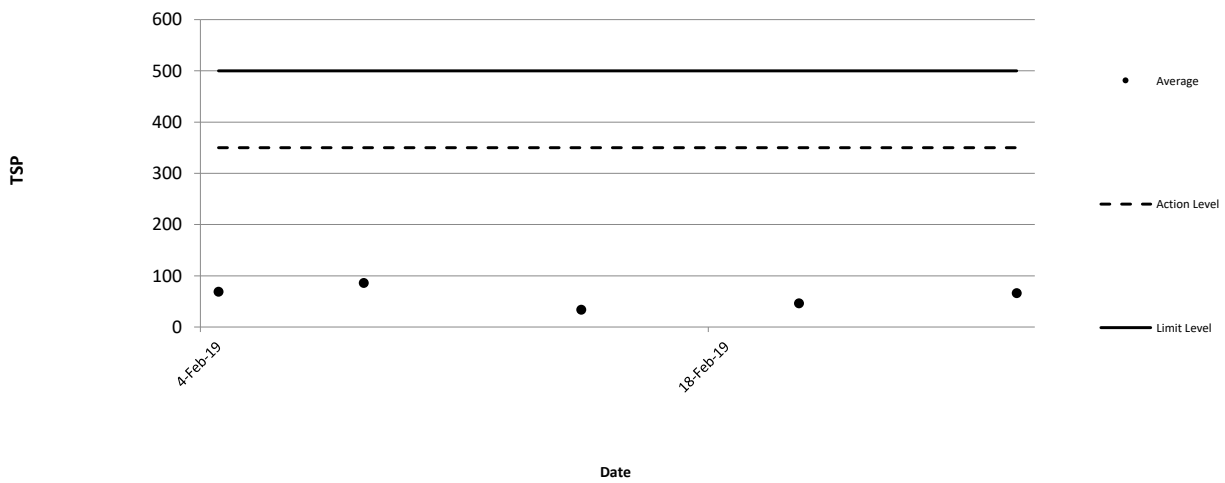
### 1-hr TSP Monitoring record for AMS 12



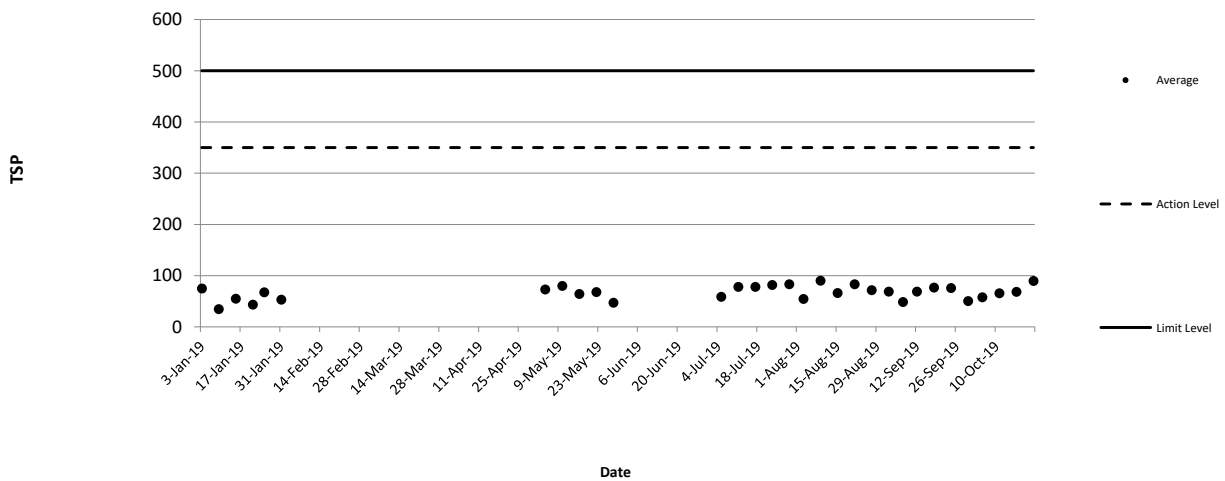
### 1-hr TSP Monitoring record for AMS 13



### 1-hr TSP Monitoring record for AMS 14



### 1-hr TSP Monitoring record for AMS 15



**24-hour TSP Impact Monitoring Result for  
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)**

**AMS 1 Scenery Court**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )						
Date	Average	Action Level	Limit Level	Weather		
3-Jan-19	34	171	260	Cloudy		
9-Jan-19	30			Fine		
15-Jan-19	18			Cloudy		
21-Jan-19	47			Fine		
25-Jan-19	20			Fine		
31-Jan-19	46			Fine		
4-Mar-19	31			Fine		
8-Mar-19	34			Cloudy		
14-Mar-19	21			Cloudy		
20-Mar-19	35			Fine		
26-Mar-19	32			Sunny		
1-Apr-19	35			Overcast		
6-Apr-19	31			Hazy		
12-Apr-19	19			Cloudy		
17-Apr-19	19			Sunny		
23-Apr-19	11			Sunny		
29-Apr-19	24			Overcast		
<b>Average</b>	29					
<b>Max</b>	47					
<b>Min</b>	11					

**AMS 4A - Wai Wah Centre**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )				
Date	Average	Action Level	Limit Level	Weather
3-Jan-19	75	200	260	Cloudy
9-Jan-19	78			Fine
15-Jan-19	63			Cloudy
21-Jan-19	90			Fine
25-Jan-19	70			Fine
31-Jan-19	70			Fine
4-Mar-19	48			Fine
8-Mar-19	60			Cloudy
14-Mar-19	59			Cloudy
20-Mar-19	54			Fine
26-Mar-19	34			Sunny
1-Apr-19	36			Overcast
6-Apr-19	71			Hazy
12-Apr-19	51			Cloudy
17-Apr-19	43			Sunny
23-Apr-19	33			Sunny
29-Apr-19	38			Overcast
3-Jun-19	80			Overcast
8-Jun-19	77			Sunny
14-Jun-19	74			Overcast
19-Jun-19	85	Sunny		
25-Jun-19	37	Fine		
29-Jun-19	40	Fine		
5-Jul-19	77	Sunny		
11-Jul-19	67	Sunny		
17-Jul-19	56	Sunny		
23-Jul-19	74	Sunny		
29-Jul-19	70	Sunny		
3-Aug-19	104	Overcast		
9-Aug-19	78	Sunny		
15-Aug-19	77	Sunny		
21-Aug-19	51	Sunny		
27-Aug-19	78	Fine		
2-Sep-19	78	Overcast		
7-Sep-19	87	Fine		
12-Sep-19	68	Fine		
18-Sep-19	121	Fine		
24-Sep-19	82	Sunny		
30-Sep-19	43	Fine		
5-Oct-19	93	Sunny		
11-Oct-19	142	Sunny		
17-Oct-19	63	Fine		
23-Oct-19	120	Sunny		
29-Oct-19	68	Fine		
<b>Average</b>	70			
<b>Max</b>	142			
<b>Min</b>	33			

**AMS 2 Villa Le Parc**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )				
Date	Average	Action Level	Limit Level	Weather
4-Dec-18	23	166	260	Sunny
10-Dec-18	37			Fine
14-Dec-18	78			Fine
20-Dec-18	57			Fine
24-Dec-18	57			Fine
28-Dec-18	53			Fine
4-Feb-19	49			Fine
8-Feb-19	49			Fine
14-Feb-19	48			Fine
20-Feb-19	24			Fine
26-Feb-19	25			Sunny
4-Mar-19	46			Cloudy
8-Mar-19	47			Fine
14-Mar-19	48			Cloudy
20-Mar-19	53			Fine
26-Mar-19	35			Fine
1-Apr-19	50			Overcast
6-Apr-19	65			Hazy
12-Apr-19	38			Cloudy
17-Apr-19	48			Sunny
23-Apr-19	41	Sunny		
29-Apr-19	51	Overcast		
<b>Average</b>	46			
<b>Max</b>	78			
<b>Min</b>	23			

**24-hour TSP Impact Monitoring Result for  
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)**



**AMS 3A - Wai Wah Centre**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )						
Date	Average	Action Level	Limit Level	Weather		
4-Dec-18	49	200	260	Fine		
10-Dec-18	51			Fine		
14-Dec-18	95			Fine		
20-Dec-18	84			Fine		
24-Dec-18	49			Fine		
28-Dec-18	68			Fine		
4-Feb-19	59			Fine		
8-Feb-19	61			Fine		
14-Feb-19	40			Fine		
20-Feb-19	57			Fine		
26-Feb-19	48			Sunny		
4-Nov-19	75			Fine		
9-Nov-19	47			Fine		
15-Nov-19	65			Fine		
21-Nov-19	122			Fine		
27-Nov-19	82			Fine		
<b>Average</b>	66					
<b>Max</b>	122					
<b>Min</b>	40					

**AMS 6 - Shatin Plaza**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )						
Date	Average	Action Level	Limit Level	Weather		
4-Mar-19	31	165	260	Fine		
8-Mar-19	30			Cloudy		
14-Mar-19	26			Cloudy		
20-Mar-19	37			Fine		
26-Mar-19	34			Sunny		
1-Apr-19	30			Overcast		
6-Apr-19	13			Hazy		
12-Apr-19	28			Cloudy		
17-Apr-19	14			Sunny		
23-Apr-19	14			Sunny		
29-Apr-19	12			Overcast		
4-May-19	15			Fine		
10-May-19	37			Sunny		
16-May-19	14			Sunny		
22-May-19	17			Fine		
28-May-19	11			Overcast		
3-Aug-19	79			Overcast		
9-Aug-19	81			Sunny		
15-Aug-19	83			Sunny		
21-Aug-19	50			Sunny		
27-Aug-19	62			Fine		
2-Sep-19	60			Overcast		
7-Sep-19	94			Fine		
12-Sep-19	53			Fine		
18-Sep-19	90			Fine		
24-Sep-19	77			Sunny		
30-Sep-19	43			Fine		
5-Oct-19	60			Sunny		
11-Oct-19	107			Sunny		
17-Oct-19	66			Fine		
23-Oct-19	87			Sunny		
29-Oct-19	54			Fine		
4-Nov-19	54			Fine		
9-Nov-19	40			Fine		
15-Nov-19	68			Fine		
21-Nov-19	98			Fine		
27-Nov-19	66			Fine		
<b>Average</b>	50					
<b>Max</b>	107					
<b>Min</b>	11					

- Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.  
 2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

**24-hour TSP Impact Monitoring Result for  
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)**

**AMS 7A - Sheung Wo Che**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )				
Date	Average	Action Level	Limit Level	Weather
4-Dec-18	50	171	260	Sunny
10-Dec-18	34			Fine
14-Dec-18	25			Fine
20-Dec-18	77			Fine
24-Dec-18	33			Fine
28-Dec-18	42			Fine
4-May-19	26			Fine
10-May-19	45			Sunny
16-May-19	48			Sunny
22-May-19	72			Fine
28-May-19	83			Overcast
3-Jun-19	73			Overcast
8-Jun-19	63			Sunny
14-Jun-19	56			Overcast
19-Jun-19	77			Sunny
25-Jun-19	117			Fine
29-Jun-19	23			Fine
5-Jul-19	68			Sunny
11-Jul-19	61			Sunny
17-Jul-19	47			Sunny
23-Jul-19	49			Sunny
29-Jul-19	44			Sunny
3-Aug-19	90			Overcast
9-Aug-19	71			Sunny
15-Aug-19	72			Sunny
21-Aug-19	73			Sunny
27-Aug-19	72			Fine
2-Sep-19	58			Overcast
7-Sep-19	90			Fine
12-Sep-19	61			Fine
18-Sep-19	93			Fine
24-Sep-19	85			Sunny
30-Sep-19	58			Fine
5-Oct-19	93			Sunny
11-Oct-19	142			Sunny
17-Oct-19	63			Fine
23-Oct-19	120			Sunny
29-Oct-19	68			Fine
4-Nov-19	71			Fine
9-Nov-19	36			Fine
15-Nov-19	67	Fine		
21-Nov-19	84	Fine		
27-Nov-19	61	Fine		
<b>Average</b>	66			
<b>Max</b>	142			
<b>Min</b>	23			

**AMS 12 - Fung Wo Estate**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )						
Date	Average	Action Level	Limit Level	Weather		
3-Jan-19	77	168	260	Cloudy		
9-Jan-19	75			Fine		
15-Jan-19	65			Cloudy		
21-Jan-19	80			Fine		
25-Jan-19	62			Fine		
31-Jan-19	60			Fine		
4-May-19	30			Fine		
10-May-19	85			Sunny		
16-May-19	68			Sunny		
22-May-19	45			Fine		
28-May-19	50			Overcast		
4-Nov-19	56			Fine		
9-Nov-19	31			Fine		
15-Nov-19	66			Fine		
21-Nov-19	60			Fine		
27-Nov-19	82			Fine		
<b>Average</b>	62					
<b>Max</b>	85					
<b>Min</b>	30					

**AMS13 - Fung Wo Estate**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )						
Date	Average	Action Level	Limit Level	Weather		
4-Feb-19	48	174	260	Fine		
8-Feb-19	51			Fine		
14-Feb-19	53			Fine		
20-Feb-19	42			Fine		
26-Feb-19	62			Sunny		
3-Jun-19	51			Overcast		
8-Jun-19	69			Sunny		
14-Jun-19	62			Overcast		
19-Jun-19	89			Sunny		
25-Jun-19	55			Fine		
29-Jun-19	36			Fine		
<b>Average</b>	56					
<b>Max</b>	89					
<b>Min</b>	36					

**AMS 14 - Ha Wo Che**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )				
Date	Average	Action Level	Limit Level	Weather
4-Feb-19	70	174	260	Fine
8-Feb-19	21			Fine
14-Feb-19	47			Fine
20-Feb-19	30			Fine
26-Feb-19	47			Sunny
<b>Average</b>	36			
<b>Max</b>	70			
<b>Min</b>	21			

**24-hour TSP Impact Monitoring Result for  
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)**

**AMS 8 - Lek Yuen Estate**

24-hour TSP ( $\mu\text{g}/\text{m}^3$ )						
Date	Average	Action Level	Limit Level	Weather		
3-Jun-19	67	161	260	Overcast		
8-Jun-19	66			Sunny		
14-Jun-19	69			Overcast		
19-Jun-19	77			Sunny		
25-Jun-19	108			Fine		
29-Jun-19	24			Fine		
5-Jul-19	81			Sunny		
11-Jul-19	72			Sunny		
17-Jul-19	43			Sunny		
23-Jul-19	68			Sunny		
29-Jul-19	50			Sunny		
<b>Average</b>	66					
<b>Max</b>	108					
<b>Min</b>	24					

**AMS 9 Shatin Tsung Tsin School**

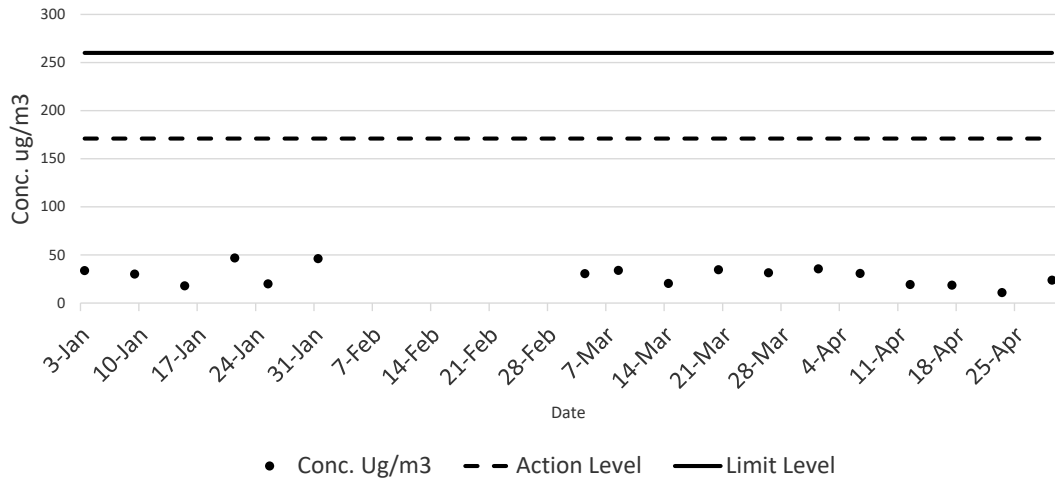
24-hour TSP ( $\mu\text{g}/\text{m}^3$ )				
Date	Average	Action Level	Limit Level	Weather
4-Dec-18	44	159	260	Sunny
10-Dec-18	26			Fine
14-Dec-18	38			Fine
20-Dec-18	28			Fine
24-Dec-18	23			Fine
28-Dec-18	26			Fine
<b>Average</b>	31			
<b>Max</b>	44			
<b>Min</b>	23			

**AMS15 - Ha Wo Che**

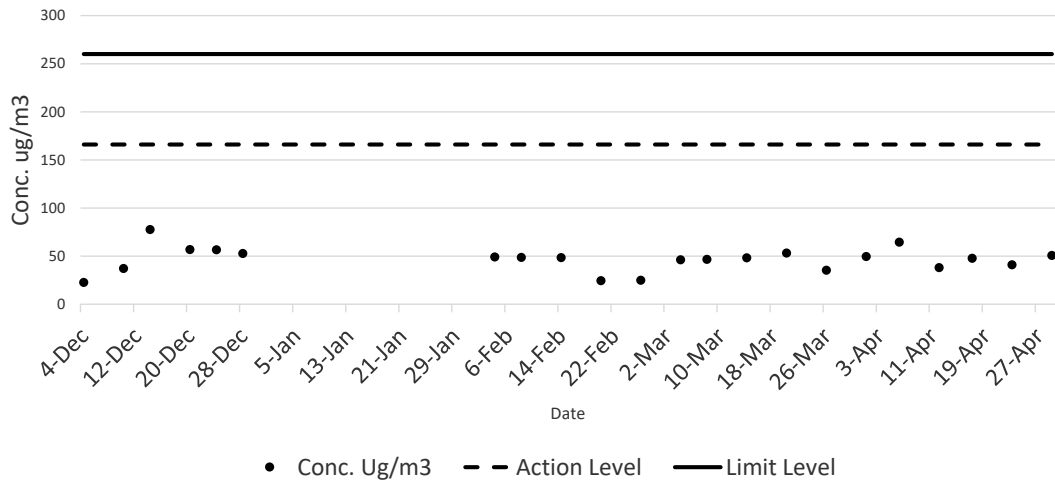
24-hour TSP ( $\mu\text{g}/\text{m}^3$ )				
Date	Average	Action Level	Limit Level	Weather
3-Jan-19	30	172	260	Cloudy
9-Jan-19	35			Fine
15-Jan-19	11			Cloudy
21-Jan-19	24			Fine
25-Jan-19	29			Fine
31-Jan-19	22			Fine
4-May-19	24			Fine
10-May-19	30			Sunny
16-May-19	8			Sunny
22-May-19	22			Fine
28-May-19	40			Overcast
5-Jul-19	52			Sunny
11-Jul-19	61			Sunny
17-Jul-19	68			Sunny
23-Jul-19	68			Sunny
29-Jul-19	74			Sunny
3-Aug-19	53			Overcast
9-Aug-19	77			Sunny
15-Aug-19	67			Sunny
21-Aug-19	73			Sunny
27-Aug-19	67			Fine
2-Sep-19	67			Overcast
7-Sep-19	56			Fine
12-Sep-19	70			Fine
18-Sep-19	72			Fine
24-Sep-19	69			Sunny
30-Sep-19	48			Fine
5-Oct-19	56			Sunny
11-Oct-19	62			Sunny
17-Oct-19	64			Fine
23-Oct-19	84	Sunny		
29-Oct-19	69	Fine		
<b>Average</b>	52			
<b>Max</b>	84			
<b>Min</b>	8			

- Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.  
 2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

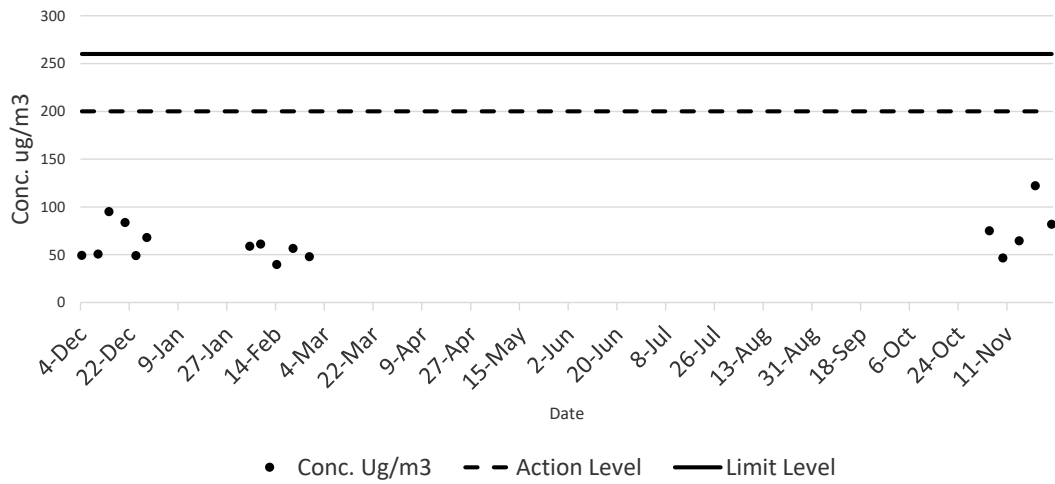
### 24 hr TSP - AMS 1



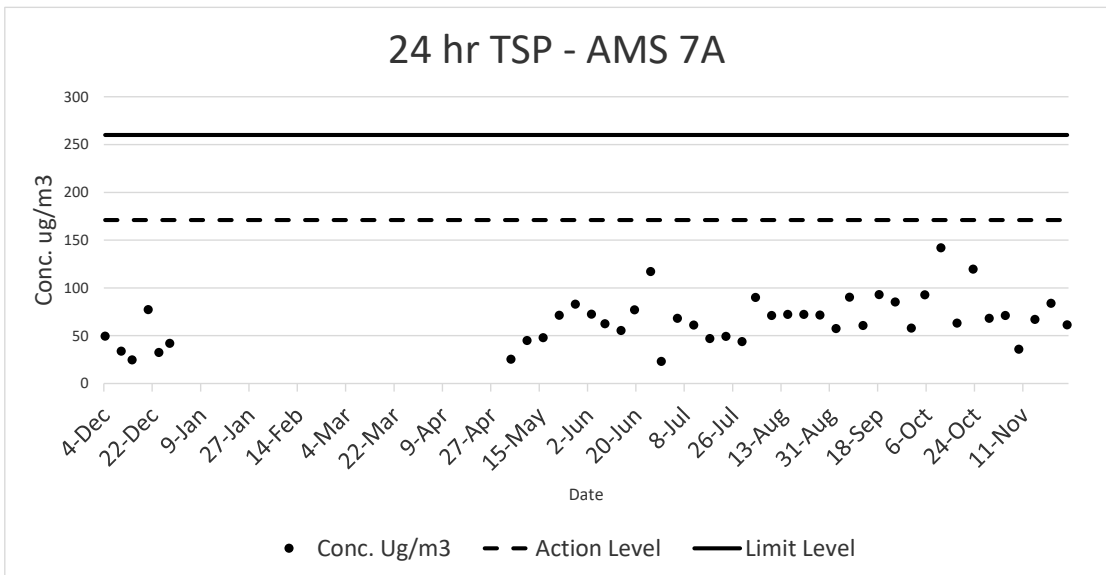
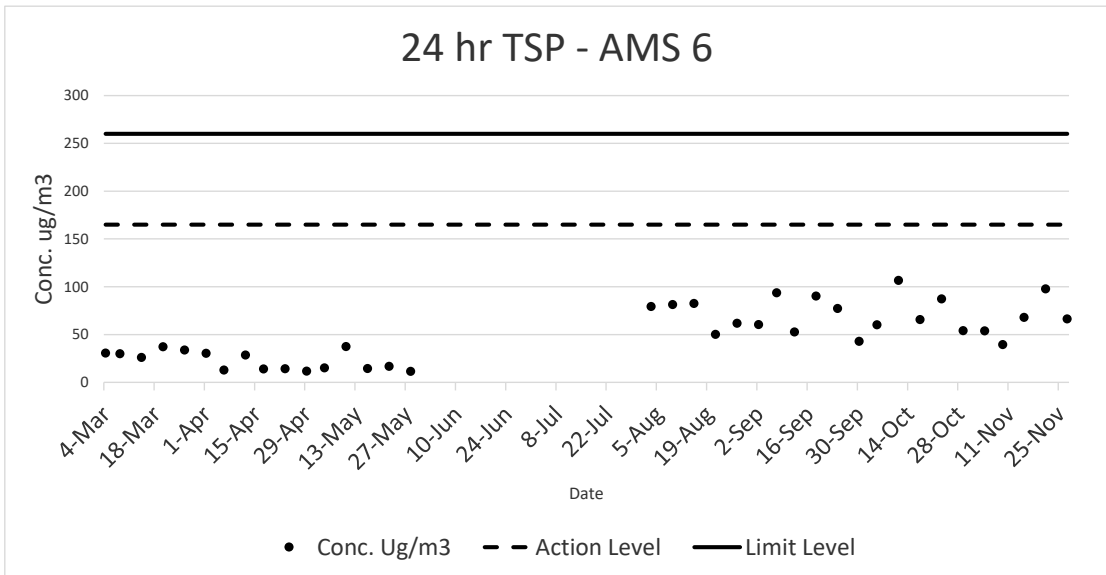
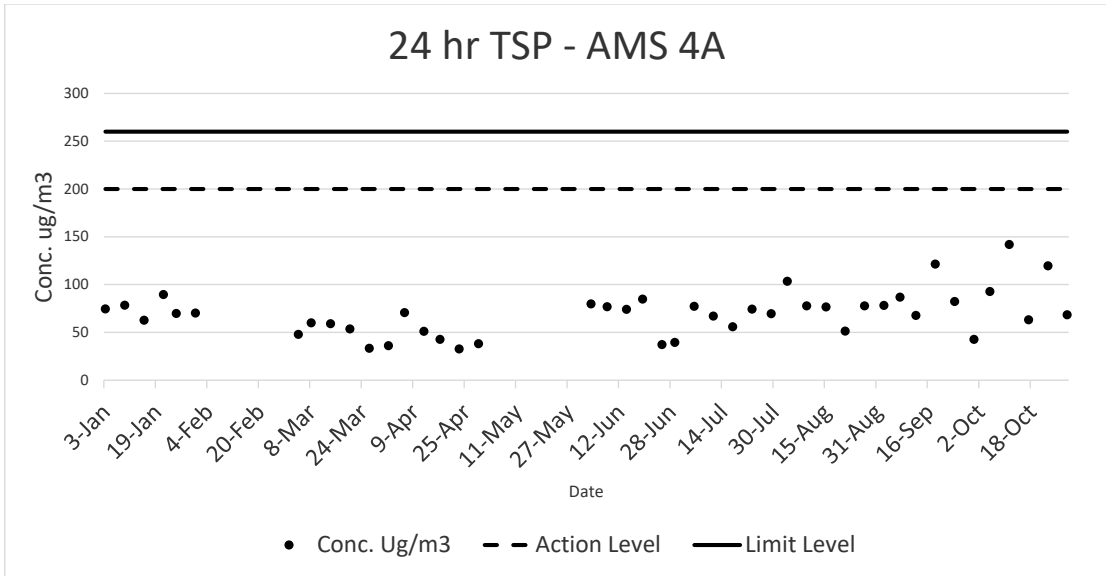
### 24 hr TSP - AMS 2



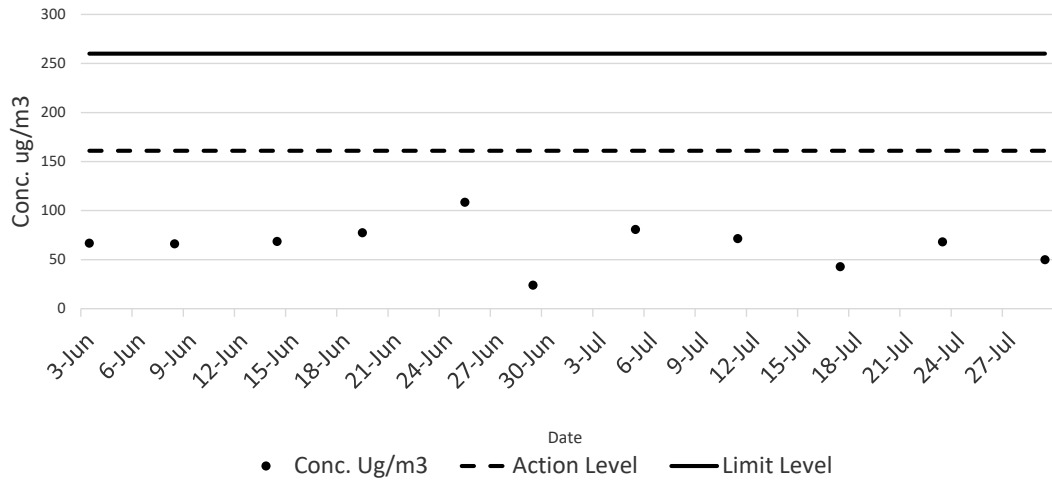
### 24 hr TSP - AMS 3A



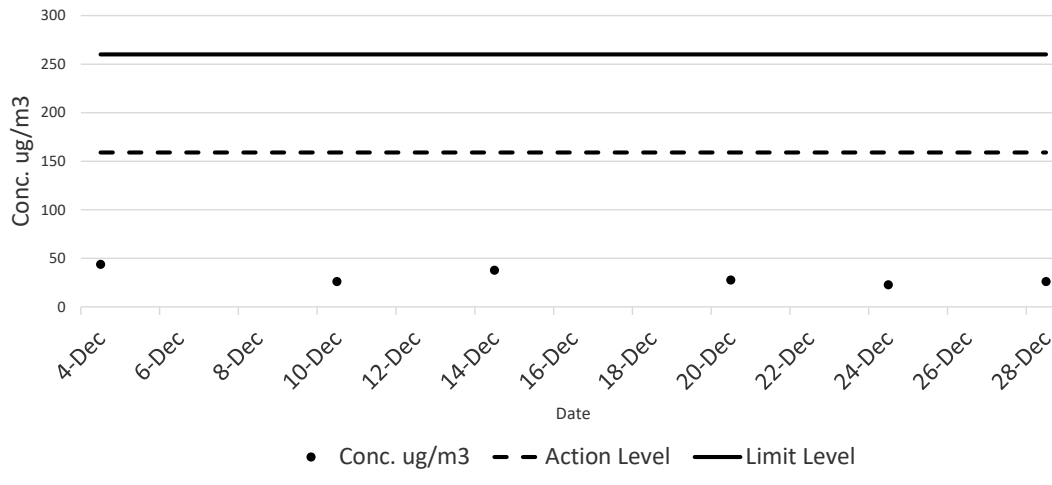




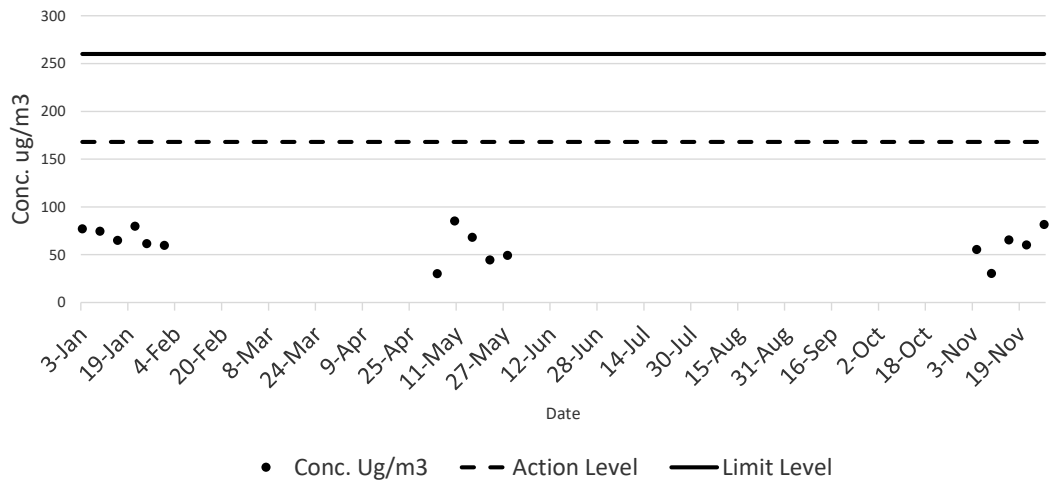
### 24 hr TSP - AMS 8



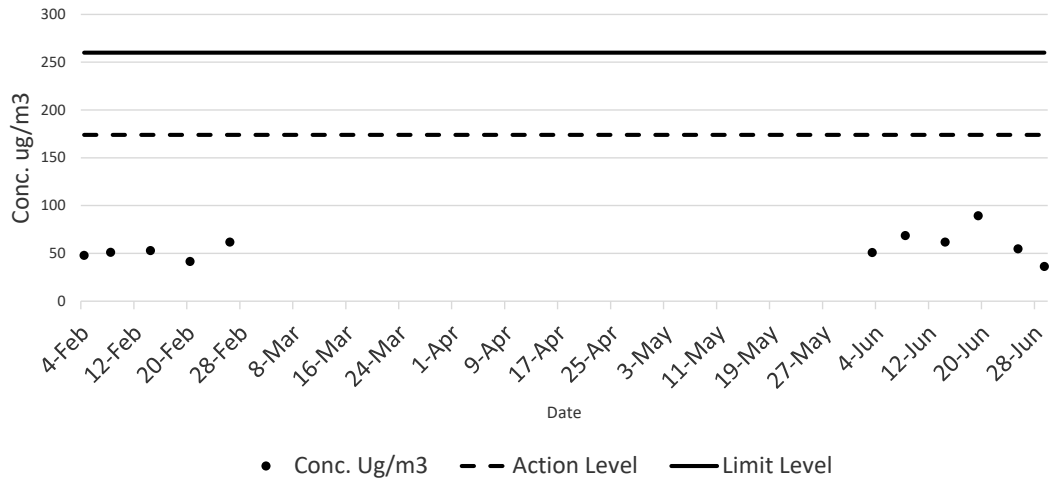
### 24 hr TSP - AMS 9



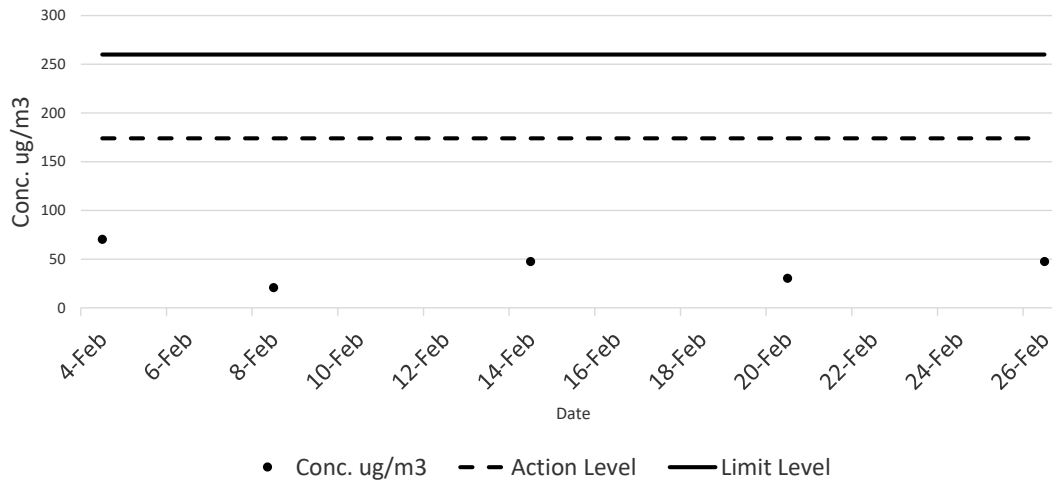
### 24 hr TSP - AMS 12



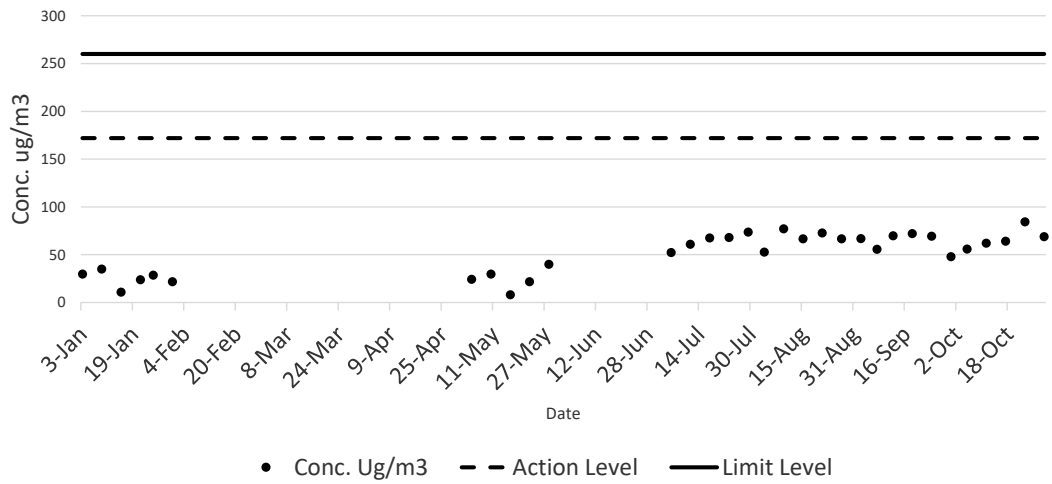
### 24 hr TSP - AMS 13



### 24 hr TSP - AMS 14



### 24 hr TSP - AMS 15



**Impact Noise Monitoring Result for  
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)**

**NMS 1 Scenery Court**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	10:04	63.5	62.5	64.5	75	63.5	Cloudy	0.9
11-Dec-18	11:11	64.4	63.0	66.0		64.4	Fine	0.8
15-Dec-18	8:30	63.3	62.0	64.5		63.3	Fine	0.6
21-Dec-18	9:00	61.5	59.5	63.0		61.5	Fine	1.1
28-Dec-18	9:00	69.7	69.0	71.0		69.7	Fine	0.8
3-Jan-19	10:15	72.3	69.0	74.0		72.3	Fine	1.1
9-Jan-19	8:30	65.5	64.0	67.5		65.5	Fine	0.2
15-Jan-19	9:30	68.0	66.5	70.5		68.0	Cloudy	1.0
21-Jan-19	15:56	65.0	62.0	66.0		65.0	Fine	1.4
28-Jan-19	12:05	63.1	60.5	64.0		63.1	Fine	0.6
1-Feb-19	8:30	68.2	62.5	71.0		68.2	Fine	1.2
8-Feb-19	9:00	68.4	65.0	71.0		68.4	Fine	0.8
14-Feb-19	9:00	67.6	64.0	70.5		67.6	Fine	1.6
20-Feb-19	8:30	66.8	61.0	69.0		66.8	Fine	1.3
26-Feb-19	8:00	66.3	64.5	69.0		66.3	Sunny	1.7
5-Mar-19	8:30	63.5	61.0	65.5		63.5	Fine	1.2
12-Mar-19	8:00	69.2	59.5	72.0		69.2	Fine	1.1
19-Mar-19	8:30	70.1	61.0	75.5		70.1	Fine	0.3
26-Mar-19	9:45	70.8	66.5	73.5		70.8	Sunny	1.2
2-Apr-19	13:35	61.6	57.5	65.0		61.6	Fine	0.8
12-Apr-19	9:46	61.2	59.5	62.5		61.2	Hazy	0.1
18-Apr-19	14:15	70.7	61.5	76.5		70.7	Sunny	1.6
24-Apr-19	14:13	62.4	59.0	67.0		62.4	Sunny	0.9
30-Apr-19	12:46	69.5	67.5	71.0		69.5	Overcast	0.8
11-May-19	13:02	67.6	61.5	71.0		67.6	Fine	1.0
17-May-19	13:05	66.4	60.5	67.0		66.4	Sunny	1.3
23-May-19	8:00	70.6	64.5	72.0		70.6	Fine	0.9
29-May-19	13:40	66.8	62.5	69.0		66.8	Overcast	1.3
4-Jun-19	9:04	60.9	58.0	62.5		60.9	Sunny	0.1
14-Jun-19	8:32	68.5	61.5	72.0		68.5	Overcast	0.4
20-Jun-19	13:04	69.5	64.5	72.0		69.5	Sunny	0.4
26-Jun-19	8:32	69.5	68.0	72.6		69.5	Fine	0.2
6-Jul-19	13:00	63.1	59.0	66.5		63.1	Fine	1.1
12-Jul-19	8:34	67.2	63.0	69.0		67.2	Sunny	0.5
18-Jul-19	11:32	66.1	60.5	68.0		66.1	Sunny	0.4
24-Jul-19	10:08	65.8	62.0	68.5		65.8	Sunny	0.7
30-Jul-19	10:29	66.1	62.0	68.0		66.1	Sunny	0.9
10-Aug-19	9:20	66.7	63.5	70.0		66.7	Fine	0.6
16-Aug-19	9:16	61.8	59.0	64.0		61.8	Sunny	0.0
22-Aug-19	15:37	66.5	62.0	68.0		66.5	Fine	0.0
28-Aug-19	9:04	65.7	62.5	68.0	65.7	Fine	0.7	
3-Sep-19	9:22	68.6	65.0	72.0	68.6	Fine	0.7	
13-Sep-19	8:38	60.3	57.0	62.0	60.3	Sunny	0.0	
19-Sep-19	10:15	66.7	64.5	68.0	66.7	Fine	0.6	
25-Sep-19	8:30	63.3	61.5	64.5	63.3	Sunny	0.4	
5-Oct-19	8:30	64.5	59.0	69.0	64.5	Sunny	0.0	
12-Oct-19	8:35	66.7	62.0	68.0	66.7	Sunny	0.4	
18-Oct-19	13:00	62.7	58.5	67.5	62.7	Fine	0.5	
24-Oct-19	8:46	60.9	58.0	63.0	60.9	Sunny	0.1	
30-Oct-19	8:40	69.8	63.0	71.5	69.8	Sunny	1.2	
5-Nov-19	13:12	67.4	63.0	68.5	67.4	Fine	0.7	
15-Nov-19	10:56	67.9	63.0	69.0	67.9	Sunny	0.8	
22-Nov-19	11:15	67.8	63.0	70.5	67.8	Fine	1.2	
28-Nov-19	8:50	62.2	58.9	64.5	62.2	Sunny	0.3	



**NMS 2 Villa Le Parc**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	12:57	58.2	52.5	59.0	75	58.2	Sunny	1.2
10-Dec-18	11:00	55.0	52.5	57.2		55.0	Sunny	2.1
14-Dec-18	9:00	56.0	51.0	57.5		56.0	Fine	1.3
20-Dec-18	10:26	56.0	51.3	57.0		56.0	Fine	0.4
27-Dec-18	14:30	61.0	54.5	62.0		61.0	Fine	0.6
3-Jan-19	9:30	61.0	54.5	63.0		61.0	Fine	0.8
9-Jan-19	14:00	54.0	51.5	57.0		54.0	Fine	0.3
15-Jan-19	10:05	60.5	54.5	62.0		60.5	Cloudy	1.1
21-Jan-19	16:38	56.4	52.0	58.0		56.4	Fine	0.2
28-Jan-19	10:37	57.5	51.0	60.5		57.5	Fine	0.9
1-Feb-19	13:00	58.5	51.5	60.0		58.5	Fine	1.2
8-Feb-19	9:45	59.5	53.5	61.0		59.5	Fine	1.2
14-Feb-19	14:15	58.7	51.5	60.0		58.7	Fine	1.1
20-Feb-19	13:00	58.0	52.5	59.5		58.0	Fine	1.1
26-Feb-19	13:00	59.5	51.0	60.5		59.5	Sunny	1.4
5-Mar-19	13:40	61.2	51.5	62.0		61.2	Fine	1.4
12-Mar-19	13:00	61.0	51.5	62.0		61.0	Fine	1.1
19-Mar-19	13:40	61.5	50.5	62.5		61.5	Fine	1.2
26-Mar-19	13:12	62.0	52.0	63.5		62.0	Sunny	1.3
2-Apr-19	8:31	61.8	57.0	63.0		61.8	Fine	0.6
12-Apr-19	10:00	59.8	54.5	61.5		59.8	Hazy	1.2
18-Apr-19	9:00	62.4	59.0	65.5		62.4	Sunny	0.8
24-Apr-19	8:58	62.4	56.0	64.0		62.4	Sunny	1.4
30-Apr-19	14:40	57.3	53.5	59.0		57.3	Overcast	0.6
11-May-19	8:30	59.2	52.5	62.0		59.2	Fine	1.1
17-May-19	8:40	60.6	52.5	63.0		60.6	Sunny	1.2
23-May-19	13:00	61.6	50.5	62.0		61.6	Fine	1.2
29-May-19	8:35	59.0	52.0	60.5		59.0	Overcast	1.0
4-Jun-19	12:43	54.6	52.0	56.0		54.6	Sunny	0.2
14-Jun-19	13:00	58.5	50.5	60.0		58.5	Overcast	1.1
20-Jun-19	8:35	58.7	51.0	59.5		58.7	Sunny	0.6
26-Jun-19	9:11	72.0	66.0	74.5		72.0	Fine	0.1
6-Jul-19	8:32	58.6	52.0	60.5		58.6	Fine	0.6
12-Jul-19	13:00	61.5	52.5	62.5		61.5	Sunny	1.1
18-Jul-19	8:36	61.2	52.0	62.5		61.2	Sunny	0.9
24-Jul-19	13:48	60.5	51.0	61.0		60.5	Sunny	0.6
30-Jul-19	8:33	61.5	52.0	63.0		61.5	Sunny	0.7
10-Aug-19	11:41	60.2	51.5	62.0		60.2	Fine	0.6
16-Aug-19	11:48	56.4	53.0	58.5		56.4	Sunny	0.0
22-Aug-19	8:30	61.8	52.5	63.0		61.8	Fine	0.0
28-Aug-19	10:03	58.2	51.5	60.0	58.2	Fine	0.7	
3-Sep-19	11:47	60.6	52.0	62.5	60.6	Fine	0.5	
13-Sep-19	11:11	55.3	53.0	57.5	55.3	Sunny	0.2	
19-Sep-19	14:11	61.5	51.0	62.5	61.5	Fine	0.6	
25-Sep-19	11:09	63.0	59.0	65.0	63.0	Sunny	0.0	
5-Oct-19	9:13	65.7	60.0	69.5	65.7	Sunny	0.0	
12-Oct-19	8:32	58.6	51.0	59.5	58.6	Sunny	0.4	
18-Oct-19	13:42	64.5	61.5	70.5	64.5	Fine	0.0	
24-Oct-19	11:14	56.7	54.0	59.0	56.7	Sunny	0.2	
30-Oct-19	11:12	61.6	51.0	63.0	61.6	Sunny	1.1	
5-Nov-19	8:30	61.2	75.5	62.5	61.2	Fine	0.9	
15-Nov-19	8:32	58.6	51.0	59.5	58.6	Sunny	0.4	
22-Nov-19	9:35	58.3	52.5	60.0	58.3	Fine	0.4	
28-Nov-19	11:18	57.9	53.3	60.0	57.9	Sunny	0.6	

**NMS 3 Hilton Plaza**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	14:15	67.2	65.0	69.0	75	67.2	Sunny	1.0
10-Dec-18	13:00	68.0	65.5	70.0		68.0	Sunny	1.9
14-Dec-18	9:40	64.7	61.5	67.0		64.7	Fine	1.3
20-Dec-18	11:11	65.9	63.0	68.0		65.9	Fine	0.4
27-Dec-18	9:05	66.4	63.5	68.5		66.4	Fine	0.5
3-Jan-19	10:50	63.0	62.5	66.0		63.0	Fine	0.0
9-Jan-19	9:15	64.4	62.5	66.0		64.4	Fine	0.3
15-Jan-19	10:40	63.0	61.0	66.5		63.0	Cloudy	1.2
21-Jan-19	15:04	67.4	63.8	70.4		67.4	Fine	0.8
28-Jan-19	12:00	65.3	62.5	67.5		65.3	Fine	0.5
1-Feb-19	9:10	70.2	63.0	72.0		70.2	Fine	1.2
8-Feb-19	13:40	68.5	65.5	71.0		68.5	Fine	0.8
14-Feb-19	9:40	66.8	64.5	69.5		66.8	Fine	1.2
20-Feb-19	9:05	66.2	60.0	69.5		66.2	Fine	1.4
26-Feb-19	8:35	64.0	61.5	66.5		64.0	Sunny	1.2
5-Mar-19	9:55	66.8	64.0	68.5		66.8	Fine	1.2
12-Mar-19	8:35	69.2	59.5	71.5		69.2	Fine	1.2
19-Mar-19	9:05	71.0	61.0	73.5		71.0	Fine	1.0
26-Mar-19	9:11	70.1	61.5	73.0		70.1	Sunny	0.8
2-Apr-19	13:02	71.5	61.0	75.5		71.5	Fine	1.1
12-Apr-19	10:33	63.9	61.5	66.0		63.9	Hazy	0.0
18-Apr-19	13:41	70.6	60.5	76.5		70.6	Sunny	0.7
24-Apr-19	13:40	72.0	62.5	76.0		72.0	Sunny	0.9
30-Apr-19	11:59	68.1	66.0	69.5		68.1	Overcast	0.8
11-May-19	11:23	71.2	66.0	73.5		71.2	Fine	1.2
17-May-19	11:44	71.8	66.5	74.5		71.8	Sunny	0.8
23-May-19	8:34	72.3	66.0	74.5		72.3	Fine	1.2
29-May-19	13:00	72.2	66.5	74.0		72.2	Overcast	0.7
4-Jun-19	9:39	60.3	57.5	61.5		60.3	Sunny	0.2
14-Jun-19	9:06	71.6	63.5	74.0		71.6	Overcast	0.6
20-Jun-19	11:32	68.6	64.0	70.5		68.6	Sunny	0.6
26-Jun-19	9:47	68.5	64.0	72.5		68.5	Fine	0.0
6-Jul-19	13:39	70.1	66.5	72.0		70.1	Fine	0.7
12-Jul-19	9:08	68.6	64.0	71.0		68.6	Sunny	0.9
18-Jul-19	13:00	69.7	66.0	72.0		69.7	Sunny	0.7
24-Jul-19	10:45	69.8	63.5	73.0		69.8	Sunny	0.6
30-Jul-19	11:37	68.7	65.0	71.0		68.7	Sunny	0.6
10-Aug-19	9:56	68.1	66.0	72.0		68.1	Fine	0.4
16-Aug-19	9:52	58.3	55.5	61.0		58.3	Sunny	0.2
22-Aug-19	9:16	69.1	65.5	71.5		69.1	Fine	0.0
28-Aug-19	14:12	67.9	64.0	71.0		67.9	Fine	0.3
3-Sep-19	9:59	67.6	65.0	71.0		67.6	Fine	0.5
13-Sep-19	9:17	57.7	55.0	60.0		57.7	Sunny	0.1
19-Sep-19	9:40	69.5	66.0	74.0		69.5	Fine	1.1
25-Sep-19	9:05	66.2	63.5	68.5		66.2	Sunny	0.0
5-Oct-19	9:57	67.4	61.5	70.5	67.4	Sunny	0.6	
12-Oct-19	17:20	68.6	66.0	71.5	68.6	Sunny	0.6	
18-Oct-19	14:25	63.8	60.5	68.0	63.8	Fine	0.0	
24-Oct-19	9:21	58.6	56.0	61.5	58.6	Sunny	0.3	
30-Oct-19	9:21	71.6	65.0	74.5	71.6	Sunny	1.6	
5-Nov-19	11:37	66.6	62.5	68.0	66.6	Fine	0.9	
15-Nov-19	10:16	67.0	62.5	69.5	67.0	Sunny	0.6	
22-Nov-19	10:38	68.6	64.5	71.5	68.6	Fine	1.4	
28-Nov-19	9:26	59.0	55.6	62.0	59.0	Sunny	0.6	

**NMS 4 Tin Liu**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	10:07	66.0	63.0	70.5	75	66.0	Cloudy	1.0
11-Dec-18	8:00	64.1	57.5	68.0		64.1	Fine	1.4
15-Dec-18	9:20	65.1	61.0	66.5		65.1	Fine	0.5
21-Dec-18	9:40	61.0	59.0	63.5		61.0	Fine	0.8
28-Dec-18	9:40	66.0	59.5	70.0		66.0	Fine	1.1
3-Jan-19	11:35	64.0	59.5	67.0		64.0	Fine	1.1
9-Jan-19	14:45	66.9	63.5	68.5		66.9	Fine	0.3
15-Jan-19	11:20	64.0	59.0	68.0		64.0	Cloudy	1.4
21-Jan-19	12:54	66.3	62.0	69.5		66.3	Fine	0.3
28-Jan-19	9:30	66.8	61.5	70.0		66.8	Fine	0.5
1-Feb-19	11:35	71.6	66.5	73.0		71.6	Fine	1.4
8-Feb-19	10:20	71.6	67.5	74.0		71.6	Fine	1.1
14-Feb-19	13:35	71.4	67.5	73.0		71.4	Fine	1.6
20-Feb-19	11:55	71.4	66.0	73.0		71.4	Fine	1.4
26-Feb-19	11:35	71.4	62.0	73.0		71.4	Sunny	1.4
5-Mar-19	13:00	71.4	65.0	73.5		71.4	Fine	1.4
12-Mar-19	11:35	66.8	60.5	69.5		66.8	Fine	1.0
19-Mar-19	13:00	72.1	61.5	75.5		72.1	Fine	1.0
26-Mar-19	13:00	71.6	62.0	74.0		71.6	Sunny	1.4
2-Apr-19	9:04	71.4	60.5	74.5		71.4	Fine	0.8
12-Apr-19	10:40	66.3	63.0	68.5		66.3	Hazy	0.5
18-Apr-19	9:33	72.6	61.5	76.0		72.6	Sunny	1.2
24-Apr-19	9:35	72.1	62.0	76.0		72.1	Sunny	1.2
30-Apr-19	13:53	70.2	65.0	72.5		70.2	Overcast	0.7
11-May-19	9:07	72.6	66.5	75.0		72.6	Fine	1.2
17-May-19	9:18	73.1	67.0	76.0		73.1	Sunny	1.0
23-May-19	11:33	72.1	66.0	75.5		72.1	Fine	1.3
29-May-19	9:11	72.1	67.5	76.5		72.1	Overcast	1.2
4-Jun-19	11:24	64.1	61.5	67.0		64.1	Sunny	0.2
14-Jun-19	11:25	71.6	66.0	74.5		71.6	Overcast	0.5
20-Jun-19	9:10	71.6	65.0	73.5		71.6	Sunny	0.4
26-Jun-19	10:22	70.5	68.0	75.5		70.5	Fine	0.2
6-Jul-19	9:10	69.7	62.5	72.0		69.7	Fine	0.4
12-Jul-19	11:31	71.6	63.0	72.5		71.6	Sunny	0.5
18-Jul-19	9:47	70.6	63.0	72.0		70.6	Sunny	0.4
24-Jul-19	9:11	67.2	63.0	70.5		67.2	Sunny	0.4
30-Jul-19	9:45	70.6	64.5	72.0		70.6	Sunny	0.0
10-Aug-19	12:15	70.1	66.0	73.0		70.1	Fine	0.8
16-Aug-19	13:04	63.1	60.5	65.0		63.1	Sunny	0.1
22-Aug-19	10:00	70.9	65.5	72.5		70.9	Fine	0.0
28-Aug-19	10:39	69.5	65.5	72.5		69.5	Fine	0.6
3-Sep-19	12:25	71.1	66.5	74.0		71.1	Fine	0.5
13-Sep-19	13:02	64.8	61.0	66.0	64.8	Sunny	0.0	
19-Sep-19	13:35	72.1	66.0	75.0	72.1	Fine	0.5	
25-Sep-19	9:44	68.5	65.5	71.0	68.5	Sunny	0.0	
5-Oct-19	10:47	66.8	62.5	70.5	66.8	Sunny	0.7	
12-Oct-19	9:10	72.8	66.0	75.0	72.8	Sunny	0.6	
18-Oct-19	15:15	65.9	60.0	71.0	65.9	Fine	0.7	
24-Oct-19	13:07	65.4	62.0	67.5	65.4	Sunny	0.0	
30-Oct-19	10:37	72.6	66.0	76.5	72.6	Sunny	0.8	
5-Nov-19	9:09	69.6	65.0	72.0	69.6	Fine	0.7	
15-Nov-19	9:40	69.8	65.5	73.0	69.8	Sunny	0.5	
22-Nov-19	10:12	71.6	67.0	74.5	71.6	Fine	0.4	
28-Nov-19	13:22	65.0	61.0	68.0	65.0	Sunny	0.7	

**NMS 5A Wai Wah Centre**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
					Unit: dB(A) 30 Mins			
4-Dec-18	13:10	75.6	70.5	78.0	75	71.1*	Sunny	1.2
10-Dec-18	13:35	75.6	71.5	78.0		71.1*	Sunny	1.6
14-Dec-18	9:00	73.5	68.5	75.5		73.5	Fine	1.1
20-Dec-18	13:00	75.0	71.0	78.0		75.0	Fine	1.0
27-Dec-18	15:10	73.5	69.0	76.0		73.5	Fine	1.0
3-Jan-19	14:00	72.3	68.0	75.5		72.3	Fine	1.1
9-Jan-19	10:00	76.6	71.5	78.5		73.5*	Fine	0.2
15-Jan-19	13:00	70.5	66.5	73.0		70.5	Cloudy	1.2
21-Jan-19	13:33	75.3	69.5	78.0		70.2*	Fine	0.6
28-Jan-19	10:58	75.0	70.5	78.0		75.0	Fine	0.7
1-Feb-19	9:45	69.2	64.0	73.0		69.2	Fine	1.3
8-Feb-19	13:00	73.1	69.0	73.5		73.1	Fine	1.3
14-Feb-19	10:20	72.6	67.5	73.5		72.6	Fine	1.1
20-Feb-19	9:40	68.0	66.5	71.0		68.0	Fine	1.1
26-Feb-19	9:10	73.4	68.0	76.0		73.4	Sunny	1.4
5-Mar-19	10:35	68.1	65.5	72.0		68.1	Fine	1.1
12-Mar-19	9:10	72.5	63.0	75.5		72.5	Fine	1.1
19-Mar-19	9:40	73.1	62.5	78.0		73.1	Fine	0.7
26-Mar-19	9:55	74.5	64.5	78.0		74.5	Sunny	0.7
2-Apr-19	11:35	74.6	68.0	77.0		74.6	Fine	1.6
12-Apr-19	13:03	71.8	68.5	73.5		71.8	Hazy	0.0
18-Apr-19	13:02	73.5	69.0	75.5		73.5	Sunny	1.3
24-Apr-19	13:00	73.5	67.5	77.0		73.5	Sunny	1.2
30-Apr-19	11:24	73.0	70.5	75.5		73.0	Overcast	0.9
11-May-19	10:48	72.8	67.5	74.5		72.8	Fine	1.1
17-May-19	10:58	70.9	66.0	73.0		70.9	Sunny	1.4
23-May-19	9:08	73.6	69.5	77.0		73.6	Fine	1.4
29-May-19	11:33	74.1	69.5	77.0		74.1	Overcast	0.9
4-Jun-19	10:13	68.9	66.0	70.5		68.9	Sunny	0.3
14-Jun-19	9:41	73.8	69.0	77.0		73.8	Overcast	0.7
20-Jun-19	10:54	72.6	68.5	74.5		72.6	Sunny	0.4
26-Jun-19	11:17	69.5	66.5	74.0		69.5	Fine	0.2
6-Jul-19	11:36	73.6	69.0	76.5		73.6	Fine	0.6
12-Jul-19	9:47	72.0	68.0	73.5		72.0	Sunny	0.4
18-Jul-19	13:38	72.1	68.0	74.5		72.1	Sunny	0.9
24-Jul-19	11:19	71.8	67.5	74.0		71.8	Sunny	1.0
30-Jul-19	13:00	72.0	67.5	74.5		72.0	Sunny	0.2
10-Aug-19	10:31	71.8	68.0	74.0		71.8	Fine	0.6
16-Aug-19	10:27	66.7	63.5	68.0		66.7	Sunny	0.3
22-Aug-19	14:00	72.2	67.6	75.8		72.2	Fine	0.0
28-Aug-19	13:35	71.1	68.0	74.5	71.1	Fine	0.5	
3-Sep-19	10:32	72.7	69.5	76.0	72.7	Fine	0.8	
13-Sep-19	9:51	67.9	64.0	69.5	67.9	Sunny	0.3	
19-Sep-19	11:24	73.0	69.0	76.5	73.0	Fine	0.3	
25-Sep-19	11:50	72.0	70.0	75.0	72.0	Sunny	0.0	
5-Oct-19	10:32	65.3	60.0	69.5	65.3	Sunny	0.8	
12-Oct-19	10:32	70.9	67.5	73.5	70.9	Sunny	0.2	
18-Oct-19	16:00	66.4	62.0	71.0	66.4	Fine	0.0	
24-Oct-19	9:54	68.3	65.0	70.5	68.3	Sunny	0.2	
30-Oct-19	11:45	74.4	70.0	77.0	74.4	Sunny	2.0	
5-Nov-19	10:57	70.7	68.0	74.0	70.7	Fine	0.6	
15-Nov-19	11:36	70.6	68.5	74.0	70.6	Sunny	0.3	
22-Nov-19	9:59	73.1	69.0	76.5	73.1	Fine	0.6	
28-Nov-19	10:12	69.9	67.0	72.3	69.9	Sunny	0.6	

\*Note: Since the measured noise level was greater than the limit level, construction noise level (CNL) was applied on 4/12/2018, 10/12/2018  
 Calculated CNL = Measured Noise Level during operation – Baseline (73.7 dB(A)).



**NMS 6A Wai Wah Centre**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	13:13	74.1	70.5	76.0	75	74.1	Sunny	1.0
10-Dec-18	14:10	74.0	71.5	78.0		74.0	Sunny	1.8
14-Dec-18	9:35	71.5	66.0	72.5		71.5	Fine	1.1
20-Dec-18	13:30	74.0	70.5	77.5		74.0	Fine	1.0
27-Dec-18	15:45	73.0	69.5	75.0		73.0	Fine	1.1
3-Jan-19	14:40	71.4	67.5	74.0		71.4	Fine	1.2
9-Jan-19	10:37	73.4	69.5	75.5		73.4	Fine	0.3
15-Jan-19	13:35	72.0	69.0	74.5		72.0	Cloudy	0.0
21-Jan-19	14:15	73.0	69.0	75.5		73.0	Fine	0.8
28-Jan-19	11:49	73.3	68.5	75.5		73.3	Fine	0.7
1-Feb-19	10:20	68.5	63.0	72.0		68.5	Fine	0.8
8-Feb-19	11:35	72.4	68.0	74.5		72.4	Fine	1.2
14-Feb-19	10:55	71.2	66.5	73.0		71.2	Fine	1.4
20-Feb-19	10:15	67.4	65.5	69.5		67.4	Fine	1.4
26-Feb-19	9:45	72.5	67.5	76.0		72.5	Sunny	1.2
5-Mar-19	11:10	69.2	66.0	72.5		69.2	Fine	1.4
12-Mar-19	9:45	71.6	61.5	74.0		71.6	Fine	1.1
19-Mar-19	10:15	72.6	63.0	75.5		72.6	Fine	1.6
26-Mar-19	10:55	74.7	72.0	77.0		74.7	Sunny	1.4
2-Apr-19	11:00	72.4	66.0	75.0		72.4	Fine	0.9
12-Apr-19	11:23	71.4	67.5	73.5		71.4	Hazy	1.4
18-Apr-19	11:28	73.6	66.5	76.5		73.6	Sunny	1.2
24-Apr-19	11:29	71.0	65.0	74.5		71.0	Sunny	1.6
30-Apr-19	10:53	73.3	70.5	75.5		73.3	Overcast	0.8
11-May-19	10:16	73.2	68.5	76.5		73.2	Fine	1.2
17-May-19	10:25	74.0	66.5	78.0		74.0	Sunny	1.1
23-May-19	9:41	74.2	69.0	77.5		74.2	Fine	1.1
29-May-19	11:00	73.7	69.0	76.5		73.7	Overcast	1.6
4-Jun-19	10:47	69.4	67.0	71.0		69.4	Sunny	0.3
14-Jun-19	10:16	72.1	68.5	76.5		72.1	Overcast	0.6
20-Jun-19	10:20	70.8	68.0	72.0		70.8	Sunny	0.3
26-Jun-19	11:50	71.0	67.0	74.5		71.0	Fine	0.5
6-Jul-19	11:04	72.1	68.5	75.0		72.1	Fine	0.7
12-Jul-19	10:20	73.8	70.0	77.0		73.8	Sunny	0.5
18-Jul-19	9:16	73.6	69.5	77.0		73.6	Sunny	0.8
24-Jul-19	13:08	73.2	69.5	76.5		73.2	Sunny	1.1
30-Jul-19	13:34	72.8	68.0	75.0		72.8	Sunny	0.4
10-Aug-19	11:06	70.1	67.0	73.5		70.1	Fine	0.3
16-Aug-19	11:01	67.2	64.0	69.0		67.2	Sunny	0.3
22-Aug-19	14:47	72.7	68.5	75.0		72.7	Fine	0.0
28-Aug-19	13:02	69.0	66.0	72.5	69.0	Fine	0.4	
3-Sep-19	11:10	72.5	69.0	76.0	72.5	Fine	0.4	
13-Sep-19	10:24	67.7	64.0	70.0	67.7	Sunny	0.4	
19-Sep-19	10:51	74.1	70.0	77.0	74.1	Fine	0.4	
25-Sep-19	13:00	71.5	70.0	75.0	71.5	Sunny	0.0	
5-Oct-19	13:00	66.9	61.5	70.5	66.9	Sunny	0.8	
12-Oct-19	9:49	74.0	69.2	75.8	74.0	Sunny	0.0	
18-Oct-19	13:10	65.8	60.0	69.5	65.8	Fine	0.0	
24-Oct-19	10:28	70.6	68.5	72.5	70.6	Sunny	0.0	
30-Oct-19	11:11	74.0	71.5	76.0	74.0	Sunny	0.4	
5-Nov-19	10:21	68.7	66.5	72.0	68.7	Fine	0.7	
15-Nov-19	13:00	69.0	66.5	72.0	69.0	Sunny	0.6	
22-Nov-19	9:25	72.4	68.5	75.0	72.4	Fine	0.8	
28-Nov-19	10:36	70.0	66.8	71.8	70.0	Sunny	0.8	

**NMS 7 Tin Liu**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	10:38	66.3	64.0	67.5	75	66.3	Cloudy	1.2
11-Dec-18	8:10	74.0	68.0	76.0		74.0	Fine	1.4
15-Dec-18	10:00	63.8	61.5	65.0		63.8	Fine	0.4
21-Dec-18	10:15	74.1	69.0	76.0		74.1	Fine	0.5
28-Dec-18	10:15	74.0	69.0	76.5		74.0	Fine	1.2
3-Jan-19	12:10	73.0	68.5	76.0		73.0	Fine	1.2
9-Jan-19	15:25	64.1	62.5	66.5		64.1	Fine	0.2
15-Jan-19	11:55	71.0	66.5	73.0		71.0	Cloudy	1.1
21-Jan-19	12:19	64.7	62.0	66.0		64.7	Fine	0.4
28-Jan-19	9:45	65.7	62.5	66.0		65.7	Fine	0.5
1-Feb-19	11:00	74.2	69.0	77.0		74.2	Fine	1.2
8-Feb-19	10:55	73.5	68.0	76.0		73.5	Fine	1.2
14-Feb-19	13:00	74.1	69.5	77.5		74.1	Fine	1.4
20-Feb-19	11:20	73.2	69.5	77.0		73.2	Fine	1.1
26-Feb-19	11:00	74.2	65.5	78.0		74.2	Sunny	1.1
5-Mar-19	11:50	74.1	67.5	77.0		74.1	Fine	1.2
12-Mar-19	10:25	64.3	60.0	66.5		64.3	Fine	0.8
19-Mar-19	11:35	74.1	62.0	77.5		74.1	Fine	1.1
26-Mar-19	11:08	73.2	63.5	76.0		73.2	Sunny	1.3
2-Apr-19	9:42	73.7	71.0	78.5		73.7	Fine	0.9
12-Apr-19	11:20	67.7	62.5	72.5		67.7	Hazy	0.4
18-Apr-19	10:10	74.1	69.0	77.0		74.1	Sunny	0.7
24-Apr-19	10:11	72.8	68.5	75.5		72.8	Sunny	1.1
30-Apr-19	13:26	69.9	65.5	73.0		69.9	Overcast	0.7
11-May-19	9:40	74.1	68.0	77.5		74.1	Fine	1.6
17-May-19	9:50	74.7	69.0	78.0		74.7	Sunny	1.4
23-May-19	11:01	73.0	66.0	77.5		73.0	Fine	1.0
29-May-19	9:44	73.6	69.0	78.0		73.6	Overcast	0.7
4-Jun-19	11:58	63.3	61.0	65.0		63.3	Sunny	0.1
14-Jun-19	10:51	74.1	66.5	78.0		74.1	Overcast	0.4
20-Jun-19	9:43	73.8	66.0	77.0		73.8	Sunny	0.3
26-Jun-19	13:21	70.0	68.5	75.0		70.0	Fine	0.1
6-Jul-19	9:43	72.6	64.0	75.0		72.6	Fine	0.6
12-Jul-19	10:57	74.7	66.0	78.0		74.7	Sunny	0.4
18-Jul-19	10:20	73.6	65.0	77.0		73.6	Sunny	0.6
24-Jul-19	9:44	74.5	65.0	78.0		74.5	Sunny	0.6
30-Jul-19	9:09	74.1	68.5	76.5		74.1	Sunny	0.4
10-Aug-19	12:47	74.1	67.0	76.5		74.1	Fine	0.3
16-Aug-19	13:37	64.6	61.0	67.0		64.6	Sunny	0.0
22-Aug-19	14:00	72.3	67.4	75.2		72.3	Fine	0.0
28-Aug-19	11:20	72.1	67.0	74.0	72.1	Fine	0.5	
3-Sep-19	13:00	74.3	67.5	77.0	74.3	Fine	0.6	
13-Sep-19	13:35	65.3	61.5	67.5	65.3	Sunny	0.1	
19-Sep-19	13:00	73.6	67.0	76.0	73.6	Fine	0.4	
25-Sep-19	10:18	67.0	64.0	70.5	67.0	Sunny	0.0	
5-Oct-19	11:32	63.4	62.5	64.5	63.4	Sunny	0.6	
12-Oct-19	9:46	73.6	67.0	77.0	73.6	Sunny	0.5	
18-Oct-19	13:52	67.0	63.5	72.5	67.0	Fine	0.0	
24-Oct-19	13:41	63.9	61.5	65.5	63.9	Sunny	0.0	
30-Oct-19	10:02	74.8	67.0	78.0	74.8	Sunny	0.7	
5-Nov-19	9:45	73.7	68.0	77.0	73.7	Fine	0.3	
15-Nov-19	8:30	63.7	58.0	67.5	63.7	Sunny	0.5	
22-Nov-19	10:46	73.4	68.5	78.0	73.4	Fine	0.6	
28-Nov-19	13:57	72.1	67.8	76.0	72.1	Sunny	0.9	

### NMS 8 Shatin Plaza

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	11:02	67.4	66.5	68.5	75	67.4	Cloudy	1.1
11-Dec-18	15:17	65.0	63.5	67.5		65.0	Fine	1.0
15-Dec-18	12:23	65.5	63.0	68.0		65.5	Fine	1.2
21-Dec-18	10:50	69.0	66.5	72.0		69.0	Fine	0.8
28-Dec-18	10:55	73.0	71.5	73.5		73.0	Fine	0.8
4-Jan-19	8:31	69.9	67.5	73.0		69.9	Cloudy	0.9
10-Jan-19	11:45	70.2	67.8	73.4		70.2	Fine	0.8
16-Jan-19	15:13	72.0	70.5	74.0		72.0	Cloudy	1.2
22-Jan-19	14:30	67.2	64.0	70.0		67.2	Fine	1.2
29-Jan-19	9:39	65.6	64.0	67.0		65.6	Fine	0.6
4-Feb-19	9:02	65.5	63.0	67.0		65.5	Fine	0.5
11-Feb-19	9:44	65.8	64.5	67.0		65.8	Fine	0.4
18-Feb-19	8:30	68.6	64.5	71.0		68.6	Fine	1.2
25-Feb-19	9:38	64.6	63.0	66.0		64.6	Fine	0.2
4-Mar-19	9:13	65.7	65.0	67.5		65.7	Fine	0.3
11-Mar-19	8:00	71.4	61.5	73.5		71.4	Fine	1.2
18-Mar-19	8:00	70.3	60.5	72.5		70.3	Fine	1.3
25-Mar-19	8:40	69.1	61.0	72.5		69.1	Sunny	1.2
1-Apr-19	16:00	72.1	66.0	73.5		72.1	Overcast	0.9
11-Apr-19	9:29	69.2	59.5	73.0		69.2	Overcast	1.0
17-Apr-19	9:00	70.2	60.0	72.5		70.2	Sunny	1.1
23-Apr-19	9:03	70.9	61.0	73.0		70.9	Sunny	0.8
29-Apr-19	9:00	71.2	61.5	73.0		71.2	Overcast	0.7
10-May-19	10:11	66.2	65.0	68.5		66.2	Sunny	0.2
16-May-19	8:35	70.6	66.5	73.0		70.6	Sunny	1.0
22-May-19	8:02	71.2	66.0	74.0		71.2	Fine	0.7
28-May-19	8:33	72.1	66.5	75.5		72.1	Overcast	1.2
3-Jun-19	8:31	69.6	63.5	72.0		69.6	Overcast	0.6
13-Jun-19	8:30	71.1	66.5	73.0		71.1	Overcast	1.1
19-Jun-19	9:35	65.9	63.5	68.0		65.9	Sunny	0.2
25-Jun-19	8:34	66.3	64.5	68.5		66.3	Fine	0.9
5-Jul-19	13:35	66.4	63.5	67.5		66.4	Sunny	0.0
11-Jul-19	8:35	67.8	64.0	71.0		67.8	Sunny	0.6
17-Jul-19	9:05	71.6	64.5	72.5		71.6	Sunny	1.0
23-Jul-19	8:38	70.6	63.5	72.5		70.6	Sunny	0.4
29-Jul-19	9:08	72.0	67.0	74.5		72.0	Sunny	0.0
9-Aug-19	13:36	63.8	62.0	65.0		63.8	Sunny	0.1
15-Aug-19	9:33	68.6	66.0	71.0		68.6	Sunny	0.8
21-Aug-19	8:44	65.7	63.0	67.0		65.7	Sunny	0.1
27-Aug-19	8:36	67.3	63.5	70.5		67.3	Fine	0.4
2-Sep-19	8:52	66.2	64.0	68.0	66.2	Overcast	0.3	
12-Sep-19	8:55	68.5	66.0	71.0	68.5	Fine	0.6	
18-Sep-19	9:05	67.5	65.0	70.0	67.5	Fine	0.2	
24-Sep-19	8:36	71.6	67.0	74.0	71.6	Sunny	0.7	
4-Oct-19	0:00	68.0	66.0	71.0	68.0	Fine	0.7	
11-Oct-19	8:33	70.1	67.0	74.0	70.1	Sunny	0.6	
17-Oct-19	9:40	67.9	65.0	70.0	67.9	Sunny	0.9	
23-Oct-19	13:33	70.6	66.0	74.0	70.6	Fine	1.2	
29-Oct-19	8:35	68.1	65.0	71.0	68.1	Fine	0.8	
4-Nov-19	8:41	68.1	66.0	71.5	68.1	Fine	0.7	
14-Nov-19	9:00	68.0	65.5	71.5	68.0	Sunny	0.7	
21-Nov-19	8:32	71.3	67.0	74.5	71.3	Sunny	0.9	
27-Nov-19	13:22	70.0	65.9	73.2	70.0	Fine	1.0	

**NMS 9 Lek Yuen Estate**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	11:50	63.3	60.5	65.5	75	63.3	Cloudy	1.1
11-Dec-18	9:45	63.0	58.5	65.0		63.0	Fine	1.3
15-Dec-18	8:31	61.8	59.0	63.5		61.8	Fine	0.5
21-Dec-18	8:32	61.7	59.0	63.5		61.7	Fine	0.5
28-Dec-18	8:30	62.4	58.5	65.0		62.4	Fine	0.7
4-Jan-19	12:31	62.5	58.3	65.1		62.5	Cloudy	0.7
10-Jan-19	11:12	67.0	59.5	72.0		67.0	Fine	0.8
16-Jan-19	9:30	70.6	68.5	74.0		70.6	Cloudy	1.2
22-Jan-19	9:00	70.6	66.0	73.0		70.6	Fine	1.2
29-Jan-19	10:42	63.0	61.0	64.5		63.0	Fine	0.6
4-Feb-19	9:38	64.1	58.5	65.5		64.1	Fine	0.0
11-Feb-19	10:37	64.0	62.0	65.0		64.0	Fine	0.3
18-Feb-19	9:45	68.2	62.0	70.5		68.2	Fine	1.4
25-Feb-19	11:05	62.3	61.0	65.0		62.3	Fine	0.3
4-Mar-19	11:08	62.9	62.5	65.0		62.9	Fine	0.1
11-Mar-19	9:15	64.5	60.0	67.5		64.5	Fine	0.7
18-Mar-19	9:15	63.2	59.5	65.5		63.2	Fine	0.8
25-Mar-19	9:55	64.4	59.0	69.0		64.4	Sunny	0.8
1-Apr-19	14:43	64.4	59.0	66.5		64.4	Overcast	1.2
11-Apr-19	10:10	64.1	59.0	66.0		64.1	Overcast	0.8
17-Apr-19	10:14	63.4	58.5	65.0		63.4	Sunny	0.7
23-Apr-19	10:15	63.6	57.5	66.0		63.6	Sunny	1.3
29-Apr-19	10:12	66.1	62.0	69.0		66.1	Overcast	1.2
10-May-19	10:47	65.0	62.0	67.0		65.0	Sunny	0.1
16-May-19	9:46	67.4	60.5	69.5		67.4	Sunny	1.4
22-May-19	9:11	68.6	66.5	71.5		68.6	Fine	1.1
28-May-19	9:09	70.6	67.0	72.0		70.6	Overcast	1.1
3-Jun-19	9:46	70.7	66.5	73.0		70.7	Overcast	1.0
13-Jun-19	9:41	70.6	65.0	72.0		70.6	Overcast	0.6
19-Jun-19	10:20	64.4	61.5	66.0		64.4	Sunny	0.0
25-Jun-19	9:47	64.7	62.0	67.5		64.7	Fine	0.6
5-Jul-19	10:50	65.1	63.0	66.5		65.1	Sunny	0.1
11-Jul-19	9:49	68.6	63.0	70.5		68.6	Sunny	0.7
17-Jul-19	9:44	66.5	62.0	69.0		66.5	Sunny	0.5
23-Jul-19	13:00	69.2	64.5	72.5		69.2	Sunny	0.5
29-Jul-19	9:38	69.6	66.0	73.0		69.6	Sunny	0.7
9-Aug-19	8:42	66.7	61.5	69.0		66.7	Sunny	0.0
15-Aug-19	10:10	67.6	61.5	69.0		67.6	Sunny	0.5
21-Aug-19	9:20	66.1	62.5	67.5		66.1	Sunny	0.4
27-Aug-19	9:48	66.6	61.0	69.5		66.6	Fine	0.6
2-Sep-19	9:33	64.6	61.0	66.0	64.6	Overcast	0.1	
12-Sep-19	9:40	67.5	60.5	69.5	67.5	Fine	0.6	
18-Sep-19	9:39	68.1	63.0	71.5	68.1	Fine	0.6	
24-Sep-19	9:46	67.7	63.0	71.0	67.7	Sunny	0.0	
4-Oct-19	9:46	67.8	61.0	69.0	67.8	Fine	0.5	
11-Oct-19	9:45	66.1	62.0	69.0	66.1	Sunny	0.6	
17-Oct-19	10:19	65.4	62.5	66.5	65.4	Sunny	0.7	
23-Oct-19	11:13	69.4	66.0	73.0	69.4	Fine	0.4	
29-Oct-19	11:35	67.8	65.0	71.0	67.8	Fine	0.4	
4-Nov-19	9:53	66.4	63.0	67.5	66.4	Fine	1.4	
14-Nov-19	14:17	67.5	64.0	70.0	67.5	Sunny	0.9	
21-Nov-19	11:32	67.1	62.5	68.5	67.1	Sunny	0.3	
27-Nov-19	11:03	69.7	65.8	72.5	69.7	Fine	0.5	



**NMS 10A Shatin Tsung Tsin School**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)	
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>					
Unit: dB(A) 30 Mins									
4-Dec-18	10:16	65.7	62.5	67.0	70	65.7	Sunny	0.5	
10-Dec-18	9:00	58.8	55.0	61.0		58.8	Sunny	2.0	
14-Dec-18	14:00	64.3	62.5	65.5		64.3	Fine	1.2	
20-Dec-18	9:00	64.4	62.0	66.0		64.4	Fine	1.2	
27-Dec-18	15:20	63.5	58.0	67.0		63.5	Fine	0.6	
4-Jan-19	8:31	65.4	62.5	67.5		65.4	Cloudy	0.1	
10-Jan-19	8:32	66.8	64.0	68.5		66.8	Fine	0.5	
16-Jan-19	10:05	64.7	59.0	66.0		64.7	Cloudy	0.8	
22-Jan-19	9:35	63.8	58.0	66.0		63.8	Fine	0.8	
29-Jan-19	11:40	64.1	62.0	65.5		64.1	Fine	0.5	
4-Feb-19	10:12	63.8	60.0	66.5		63.8	Fine	0.0	
11-Feb-19	11:14	65.2	60.5	68.0		65.2	Fine	0.4	
18-Feb-19	10:20	66.4	61.0	68.5		66.4	Fine	1.4	
25-Feb-19	11:50	64.9	63.0	65.0		64.9	Fine	0.3	
4-Mar-19	11:46	64.6	61.5	66.0		65	64.6	Fine	0.3
11-Mar-19	9:50	72.0	64.0	77.5	70	68.7*	Fine	0.8	
18-Mar-19	9:55	71.0	63.5	77.5		66.1*	Fine	1.0	
25-Mar-19	10:30	72.4	63.5	76.0		69.5*	Sunny	1.3	
1-Apr-19	14:10	69.0	65.0	77.5		69.0	Overcast	1.4	
11-Apr-19	10:48	71.5	64.0	73.5		67.5*	Overcast	0.6	
17-Apr-19	10:50	72.0	63.5	74.5		68.7*	Sunny	0.5	
23-Apr-19	10:51	72.5	65.0	77.5		69.7*	Sunny	0.6	
29-Apr-19	10:49	64.1	58.5	67.0		64.1	Overcast	0.7	
10-May-19	11:21	65.8	60.5	68.5		65.8	Sunny	0.1	
16-May-19	10:23	63.2	58.5	64.5		63.2	Sunny	1.0	
22-May-19	9:45	70.6	66.0	73.0		64.7*	Fine	1.4	
28-May-19	9:43	63.1	58.5	65.0		63.1	Overcast	1.5	
3-Jun-19	10:20	64.0	58.5	66.0		65	64.0	Overcast	1.1
13-Jun-19	10:09	62.7	58.0	64.5		70	62.7	Overcast	0.7
19-Jun-19	10:57	65.4	60.5	68.0			65.4	Sunny	0.3
25-Jun-19	10:24	65.9	60.5	68.0	65.9		Fine	0.8	
5-Jul-19	10:01	66.3	60.0	69.5	66.3		Sunny	0.0	
11-Jul-19	10:26	63.1	59.5	64.5	63.1		Sunny	1.1	
17-Jul-19	10:20	62.1	58.0	64.0	62.1		Sunny	0.7	
23-Jul-19	13:44	65.2	61.0	66.0	65.2		Sunny	0.9	
29-Jul-19	10:14	66.0	61.0	67.5	66.0		Sunny	0.6	
9-Aug-19	10:17	62.4	58.5	63.0	62.4		Sunny	0.3	
15-Aug-19	10:47	65.6	61.0	67.5	65.6		Sunny	0.8	
21-Aug-19	9:26	64.9	60.0	67.0	64.9		Sunny	0.0	
27-Aug-19	10:26	64.7	61.0	66.5	64.7		Fine	0.8	
2-Sep-19	10:10	65.4	60.0	67.5	65.4		Overcast	0.2	
12-Sep-19	10:16	67.0	61.5	69.0	67.0		Fine	0.0	
18-Sep-19	10:16	64.6	60.0	65.5	64.6		Fine	1.1	
24-Sep-19	10:25	64.2	59.0	65.0	64.2	Sunny	0.3		
4-Oct-19	10:30	65.4	61.5	67.0	65.4	Fine	0.9		
11-Oct-19	10:22	63.1	60.0	64.5	63.1	Sunny	0.8		
17-Oct-19	10:57	63.2	60.0	65.5	63.2	Sunny	0.6		
23-Oct-19	13:49	63.9	60.0	65.0	63.9	Fine	1.2		
29-Oct-19	11:35	67.8	65.0	71.0	67.8	Fine	0.4		
4-Nov-19	10:28	64.1	60.0	65.5	64.1	Fine	1.2		
14-Nov-19	13:42	64.8	61.5	66.0	64.8	Sunny	0.4		
21-Nov-19	9:05	63.2	59.0	64.5	63.2	Sunny	1.4		
27-Nov-19	13:45	64.8	59.8	66.0	64.8	Fine	0.8		

Note: \*Since the measured noise level was greater than the limit level, construction noise level (CNL) was applied on 22/5, where Calculated CNL = Measured Noise Level during operation – Baseline (69.3 dB(A)).

### NMS 11 Sheung Wo Che

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	15:52	64.4	53.0	64.5	75	64.4	Sunny	1.2
10-Dec-18	10:06	65.0	63.0	65.5		65.0	Sunny	1.4
14-Dec-18	10:15	71.1	61.5	73.0		71.1	Fine	1.6
20-Dec-18	9:38	65.1	57.5	66.5		65.1	Fine	0.7
27-Dec-18	8:30	60.2	54.0	63.5		60.2	Fine	1.1
4-Jan-19	10:26	63.4	57.6	67.5		63.4	Cloudy	0.6
10-Jan-19	9:04	66.3	64.5	68.0		66.3	Fine	0.5
16-Jan-19	9:05	65.7	64.0	67.5		65.7	Cloudy	0.3
22-Jan-19	10:10	69.5	63.0	72.5		69.5	Fine	1.2
29-Jan-19	9:34	66.2	62.0	69.5		66.2	Fine	0.6
4-Feb-19	9:05	57.9	52.0	61.0		57.9	Fine	0.0
11-Feb-19	12:53	60.6	52.5	62.0		60.6	Fine	0.2
18-Feb-19	16:05	68.4	63.5	71.0		68.4	Fine	1.2
25-Feb-19	15:08	61.0	53.0	61.5		61.0	Fine	0.1
4-Mar-19	14:12	61.1	53.5	63.0		61.1	Fine	0.1
11-Mar-19	11:00	71.2	62.0	72.5		71.2	Fine	2.9
18-Mar-19	11:25	70.6	61.5	73.0		70.6	Fine	0.7
25-Mar-19	11:40	70.6	61.5	72.5		70.6	Sunny	1.7
1-Apr-19	9:05	71.1	62.0	72.5		71.1	Overcast	1.1
11-Apr-19	9:33	72.0	62.5	74.0		72.0	Overcast	1.0
17-Apr-19	16:00	71.2	61.5	73.5		71.2	Sunny	1.2
23-Apr-19	13:32	71.0	58.5	73.0		71.0	Sunny	0.6
29-Apr-19	9:34	68.6	62.0	72.5		68.6	Overcast	0.7
10-May-19	11:58	60.8	52.5	63.0		60.8	Sunny	0.3
16-May-19	16:02	66.5	61.5	69.0		66.5	Sunny	1.4
22-May-19	13:00	66.1	60.5	68.0		66.1	Fine	1.1
28-May-19	13:00	66.4	61.0	69.0		66.4	Overcast	1.4
3-Jun-19	13:00	67.6	60.5	69.0		67.6	Overcast	0.8
13-Jun-19	13:44	70.1	62.5	72.5		70.1	Overcast	0.7
19-Jun-19	11:33	61.1	54.0	63.0		61.1	Sunny	0.1
25-Jun-19	11:01	60.4	57.0	63.0		60.4	Fine	0.6
5-Jul-19	11:33	61.1	53.5	64.5		61.1	Sunny	0.1
11-Jul-19	13:38	66.2	61.5	67.5		66.2	Sunny	0.5
17-Jul-19	13:33	67.6	61.5	69.0		67.6	Sunny	0.3
23-Jul-19	10:23	66.2	60.5	67.0		66.2	Sunny	0.7
29-Jul-19	15:58	66.1	61.0	67.5		66.1	Sunny	0.4
9-Aug-19	11:41	60.0	51.0	62.0		60.0	Sunny	0.2
15-Aug-19	16:39	68.8	63.5	71.5		68.8	Sunny	0.6
21-Aug-19	12:04	65.3	58.5	67.5		65.3	Sunny	0.0
27-Aug-19	10:06	68.1	61.0	69.5		68.1	Fine	0.3
2-Sep-19	11:14	61.1	58.5	64.0	61.1	Overcast	0.0	
12-Sep-19	13:30	68.0	63.5	71.5	68.0	Fine	0.0	
18-Sep-19	16:42	69.5	64.0	73.0	69.5	Fine	0.6	
24-Sep-19	16:16	67.9	65.0	68.5	67.9	Sunny	0.2	
4-Oct-19	14:37	70.2	66.0	73.5	70.2	Fine	0.7	
11-Oct-19	13:47	71.2	64.3	74.0	71.2	Sunny	0.8	
17-Oct-19	9:11	66.1	62.5	67.5	66.1	Sunny	0.4	
23-Oct-19	9:54	67.7	63.5	70.0	67.7	Fine	0.6	
29-Oct-19	10:22	64.8	62.0	66.5	64.8	Fine	0.4	
4-Nov-19	9:02	66.3	61.0	67.0	66.3	Fine	0.8	
14-Nov-19	14:58	66.6	62.5	67.5	66.6	Sunny	0.6	
21-Nov-19	10:22	67.0	63.5	69.5	67.0	Sunny	0.3	
27-Nov-19	9:50	68.0	62.9	71.0	68.0	Fine	0.7	

### NMS 12 SKH Holy Spirit Primary School

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)	
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>					
Unit: dB(A) 30 Mins									
4-Dec-18	10:54	66.9	60.0	69.0	70	66.9	Sunny	1.0	
10-Dec-18	9:00	58.0	55.0	60.0		58.0	Sunny	2.0	
14-Dec-18	10:15	62.3	60.0	64.0		62.3	Fine	0.8	
20-Dec-18	9:45	63.9	60.5	65.0		63.9	Fine	1.2	
27-Dec-18	10:07	61.9	53.0	63.0		61.9	Fine	0.4	
4-Jan-19	9:09	64.8	62.0	66.5	65	64.8	Cloudy	0.1	
10-Jan-19	9:13	65.6	61.5	68.0	70	65.6	Fine	0.7	
16-Jan-19	10:45	63.9	57.5	66.0		63.9	Cloudy	1.2	
22-Jan-19	10:45	64.5	59.0	66.0		64.5	Fine	1.1	
29-Jan-19	13:20	61.0	58.5	62.5		61.0	Fine	0.5	
4-Feb-19	10:48	62.9	59.0	65.0		62.9	Fine	0.3	
11-Feb-19	13:21	59.0	56.0	61.5	70	59.0	Fine	0.2	
18-Feb-19	10:55	64.1	58.0	65.5		64.1	Fine	1.1	
25-Feb-19	12:37	62.3	59.0	63.0		62.3	Fine	0.2	
4-Mar-19	12:14	59.5	57.5	62.0		59.5	Fine	0.2	
11-Mar-19	10:25	65.0	59.5	68.0		65.0	Fine	0.8	
18-Mar-19	10:30	64.2	59.0	68.0	65	64.2	Fine	1.4	
25-Mar-19	11:05	65.6	60.0	69.5		59.1*	Sunny	1.2	
1-Apr-19	13:38	63.5	65.0	77.5		63.5	Overcast	0.7	
11-Apr-19	11:21	63.7	58.0	69.0		63.7	Overcast	0.4	
17-Apr-19	11:25	64.0	57.5	67.5		64.0	Sunny	0.6	
23-Apr-19	11:23	64.6	56.5	65.5	70	64.6	Sunny	0.9	
29-Apr-19	10:28	62.7	58.0	64.5		62.7	Overcast	0.8	
10-May-19	12:36	59.5	55.5	62.0		59.5	Sunny	0.2	
16-May-19	10:57	62.8	57.5	64.5		62.8	Sunny	1.2	
22-May-19	10:19	64.6	61.5	69.0		64.6	Fine	0.7	
28-May-19	10:17	64.2	60.0	66.0	65	64.2	Overcast	1.0	
3-Jun-19	10:56	62.7	57.5	64.5		62.7	Overcast	1.1	
13-Jun-19	10:44	63.9	59.0	66.0		63.9	Overcast	0.9	
19-Jun-19	13:07	58.5	55.5	61.0		58.5	Sunny	0.3	
25-Jun-19	11:39	59.3	56.0	62.0		59.3	Fine	0.7	
5-Jul-19	10:40	64.8	59.5	68.0	70	64.8	Sunny	0.1	
11-Jul-19	11:02	64.7	60.0	66.0		64.7	Sunny	0.7	
17-Jul-19	10:56	64.7	60.0	65.5		64.7	Sunny	1.1	
23-Jul-19	14:20	64.2	60.0	65.0		64.2	Sunny	0.9	
29-Jul-19	10:51	64.7	59.0	65.5		64.7	Sunny	0.8	
9-Aug-19	11:02	62.0	57.0	62.5	70	62.0	Sunny	0.1	
15-Aug-19	13:00	64.0	59.5	65.0		64.0	Sunny	0.7	
21-Aug-19	10:00	64.5	60.5	67.5		64.5	Sunny	0.0	
27-Aug-19	11:02	66.1	61.0	67.5		66.1	Fine	0.6	
2-Sep-19	10:48	60.5	57.0	62.5		60.5	Overcast	0.3	
12-Sep-19	11:00	64.0	59.0	65.0	70	64.0	Fine	0.0	
18-Sep-19	11:27	63.8	59.0	64.5		63.8	Fine	0.6	
24-Sep-19	11:40	64.7	61.0	66.5		64.7	Sunny	0.7	
4-Oct-19	13:00	61.8	60.0	65.5		61.8	Fine	1.0	
11-Oct-19	13:04	64.4	59.5	65.5		64.4	Sunny	1.1	
17-Oct-19	11:33	64.3	62.0	66.5	65	64.3	Sunny	0.8	
23-Oct-19	13:10	64.5	61.0	66.5		64.5	Fine	0.9	
29-Oct-19	9:41	64.6	61.5	67.0		64.6	Fine	0.5	
4-Nov-19	11:06	64.7	59.0	65.0		70	64.7	Fine	0.7
14-Nov-19	13:06	64.4	61.0	65.5			64.4	Sunny	1.3
21-Nov-19	9:41	63.6	60.0	65.5	63.6		Sunny	0.7	
27-Nov-19	13:00	65.1	60.2	67.0	65.1		Fine	0.6	

**NMS 13 Lek Yuen Estate**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	15:28	62.9	60.0	65.0	75	62.9	Cloudy	1.0
11-Dec-18	8:55	64.7	56.5	67.0		64.7	Fine	1.4
15-Dec-18	9:10	60.5	56.5	63.0		60.5	Fine	1.2
21-Dec-18	9:10	59.5	55.0	60.2		59.5	Fine	0.4
28-Dec-18	9:02	59.0	56.5	60.5		59.0	Fine	0.8
4-Jan-19	11:47	59.3	56.4	61.0		59.3	Cloudy	0.2
10-Jan-19	10:36	64.6	61.0	66.0		64.6	Fine	0.7
16-Jan-19	11:20	68.5	64.0	71.0		68.5	Cloudy	1.1
22-Jan-19	11:20	67.6	65.0	69.5		67.6	Fine	1.3
29-Jan-19	14:23	61.1	58.0	63.5		61.1	Fine	0.6
4-Feb-19	11:26	58.7	56.0	59.5		58.7	Fine	0.6
11-Feb-19	14:18	60.5	55.2	68.0		60.5	Fine	0.2
18-Feb-19	11:30	65.5	59.0	67.0		65.5	Fine	1.2
25-Feb-19	12:37	62.3	59.0	63.0		62.3	Fine	0.2
4-Mar-19	12:51	61.3	59.0	67.0		61.3	Fine	0.2
11-Mar-19	11:20	72.2	61.0	74.5		72.2	Fine	1.1
18-Mar-19	11:05	71.3	60.0	74.0		71.3	Fine	1.2
25-Mar-19	15:20	73.1	61.5	75.5		73.1	Sunny	1.1
1-Apr-19	13:01	64.8	60.0	67.0		64.8	Overcast	0.6
11-Apr-19	11:55	66.6	61.0	70.0		66.6	Overcast	1.3
17-Apr-19	11:57	65.4	54.5	68.0		65.4	Sunny	1.0
23-Apr-19	13:00	66.1	60.0	69.5		66.1	Sunny	1.2
29-Apr-19	11:04	67.6	62.5	71.5		67.6	Overcast	1.3
10-May-19	13:18	55.4	53.5	63.0		55.4	Sunny	0.2
16-May-19	11:30	63.0	61.5	67.5		63.0	Sunny	0.8
22-May-19	10:53	70.6	63.0	72.5		70.6	Fine	0.9
28-May-19	10:52	71.0	63.5	73.0		71.0	Overcast	1.2
3-Jun-19	11:31	68.6	63.0	72.0		68.6	Overcast	0.7
13-Jun-19	11:20	68.2	63.0	70.5		68.2	Overcast	0.6
19-Jun-19	13:48	55.8	52.5	59.0		55.8	Sunny	0.5
25-Jun-19	13:00	60.6	55.0	63.5		60.6	Fine	0.5
5-Jul-19	10:00	61.9	60.5	63.5		61.9	Sunny	0.4
11-Jul-19	11:38	69.1	63.5	71.0		69.1	Sunny	0.4
17-Jul-19	11:30	67.6	63.5	69.0		67.6	Sunny	0.6
23-Jul-19	11:35	66.7	64.5	68.0		66.7	Sunny	0.8
29-Jul-19	11:29	67.1	63.0	69.0		67.1	Sunny	0.6
9-Aug-19	9:28	60.5	58.0	63.0		60.5	Sunny	0.1
15-Aug-19	11:24	68.0	65.0	72.0		68.0	Sunny	0.6
21-Aug-19	10:04	60.5	58.5	63.0		60.5	Sunny	0.0
27-Aug-19	11:39	67.5	64.0	70.0		67.5	Fine	0.7
2-Sep-19	11:36	56.1	54.0	59.0		56.1	Overcast	0.3
12-Sep-19	11:32	68.5	65.0	72.5		68.5	Fine	0.0
18-Sep-19	10:52	68.7	63.5	73.0	68.7	Fine	0.7	
24-Sep-19	11:02	69.1	66.0	74.0	69.1	Sunny	0.6	
4-Oct-19	11:14	67.8	65.0	71.5	67.8	Fine	0.5	
11-Oct-19	10:56	67.1	65.0	70.0	67.1	Sunny	0.7	
17-Oct-19	13:12	66.3	63.5	68.0	66.3	Sunny	0.6	
23-Oct-19	11:06	67.1	64.5	69.0	67.1	Fine	0.5	
29-Oct-19	10:18	66.1	62.0	68.0	66.1	Fine	0.4	
4-Nov-19	11:41	66.7	62.5	68.0	66.7	Fine	0.9	
14-Nov-19	10:58	66.7	64.5	69.0	66.7	Sunny	0.4	
21-Nov-19	10:18	67.8	65.5	70.5	67.8	Sunny	0.7	
27-Nov-19	11:09	67.3	63.9	70.2	67.3	Fine	0.5	



### NMS 14 Sheung Wo Che

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	16:26	66.8	60.0	69.0	75	66.8	Sunny	1.1
10-Dec-18	10:46	67.2	62.0	69.5		67.2	Sunny	1.4
14-Dec-18	9:15	70.9	67.0	73.5		70.9	Fine	1.1
20-Dec-18	10:15	63.7	58.0	66.0		63.7	Fine	0.5
27-Dec-18	9:07	63.1	57.5	67.5		63.1	Fine	0.8
4-Jan-19	11:01	60.4	53.8	62.7		60.4	Cloudy	0.6
10-Jan-19	9:40	64.0	58.0	66.0		64.0	Fine	0.7
16-Jan-19	9:40	66.5	63.5	68.0		66.5	Cloudy	0.0
22-Jan-19	11:55	70.5	64.5	74.0		70.5	Fine	1.1
29-Jan-19	10:22	71.4	62.5	74.5		71.4	Fine	0.5
4-Feb-19	9:40	60.1	56.0	62.0		60.1	Fine	0.0
11-Feb-19	12:18	60.4	56.5	62.0		60.4	Fine	0.2
18-Feb-19	15:30	66.7	59.0	69.0		66.7	Fine	1.1
25-Feb-19	15:51	61.0	57.0	62.5		61.0	Fine	0.0
4-Mar-19	14:47	60.6	57.0	63.5		60.6	Fine	0.2
11-Mar-19	11:55	69.2	61.0	71.5		69.2	Fine	1.6
18-Mar-19	11:45	70.6	61.5	73.5		70.6	Fine	1.1
25-Mar-19	15:55	70.2	61.5	73.0		70.2	Sunny	1.2
1-Apr-19	9:40	63.2	57.5	64.5		63.2	Overcast	0.7
11-Apr-19	10:11	63.4	57.5	65.5		63.4	Overcast	1.1
17-Apr-19	15:25	64.2	58.5	66.0		64.2	Sunny	1.0
23-Apr-19	11:23	64.7	54.0	67.0		64.7	Sunny	1.2
29-Apr-19	10:10	69.1	63.0	74.5		69.1	Overcast	1.1
10-May-19	13:55	60.7	56.0	62.5		60.7	Sunny	0.2
16-May-19	15:28	68.2	63.5	70.5		68.2	Sunny	1.2
22-May-19	11:30	68.1	60.5	69.5		68.1	Fine	1.1
28-May-19	11:33	67.6	60.0	69.0		67.6	Overcast	1.5
3-Jun-19	9:00	66.7	61.5	68.5		66.7	Overcast	0.8
13-Jun-19	14:24	68.3	62.0	71.0		68.3	Overcast	0.5
19-Jun-19	9:12	68.0	62.0	70.5		68.0	Sunny	0.3
25-Jun-19	8:36	66.6	60.5	68.0		66.6	Fine	0.4
5-Jul-19	11:27	62.7	58.5	66.0		62.7	Sunny	0.2
11-Jul-19	14:11	64.5	61.0	67.0		64.5	Sunny	0.7
17-Jul-19	14:09	66.7	60.5	68.0		66.7	Sunny	0.5
23-Jul-19	10:58	67.1	61.0	68.5		67.1	Sunny	0.6
29-Jul-19	15:22	65.7	60.5	66.5		65.7	Sunny	0.9
9-Aug-19	10:01	57.4	55.0	60.0		57.4	Sunny	0.0
15-Aug-19	16:05	66.1	60.0	67.0		66.1	Sunny	0.4
21-Aug-19	11:58	63.0	57.0	65.5		63.0	Sunny	0.0
27-Aug-19	10:45	66.1	60.5	67.5		66.1	Fine	0.7
2-Sep-19	10:39	60.4	56.5	62.5		60.4	Overcast	0.2
12-Sep-19	8:30	66.4	60.0	67.0		66.4	Fine	0.0
18-Sep-19	16:08	67.0	61.0	68.5	67.0	Fine	0.5	
24-Sep-19	15:29	67.5	60.0	69.5	67.5	Sunny	0.6	
4-Oct-19	8:30	65.5	58.8	68.5	65.5	Fine	0.0	
11-Oct-19	13:11	65.6	63.0	67.0	65.6	Sunny	0.7	
17-Oct-19	9:46	66.8	63.0	68.0	66.8	Sunny	0.7	
23-Oct-19	10:29	65.2	62.5	67.0	65.2	Fine	0.8	
29-Oct-19	10:56	65.7	63.0	67.0	65.7	Fine	0.6	
4-Nov-19	9:36	65.7	61.0	66.5	65.7	Fine	0.6	
14-Nov-19	11:33	65.7	61.0	66.5	65.7	Sunny	0.6	
21-Nov-19	10:57	66.2	62.0	67.0	66.2	Sunny	0.6	
27-Nov-19	10:26	66.3	61.8	68.2	66.3	Fine	0.9	

### NMS 15 Ha Wo Che

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	15:55	64.3	57.5	66.0	75	64.3	Sunny	1.0
10-Dec-18	10:40	67.7	62.5	72.0		67.7	Sunny	1.3
14-Dec-18	11:00	67.6	64.0	65.5		67.6	Fine	1.0
20-Dec-18	10:51	61.6	57.2	63.7		61.6	Fine	1.0
27-Dec-18	9:42	68.1	62.0	72.0		68.1	Fine	0.7
3-Jan-19	15:15	66.5	64.0	68.0		66.5	Fine	0.8
9-Jan-19	8:30	67.5	63.5	70.5		67.5	Fine	0.3
15-Jan-19	0:00	68.5	66.0	71.0		68.5	Cloudy	1.1
21-Jan-19	9:30	66.8	62.0	69.5		66.8	Fine	0.5
28-Jan-19	13:30	64.4	62.0	65.0		64.4	Fine	0.4
1-Feb-19	14:55	66.5	61.0	68.0		66.5	Fine	1.6
8-Feb-19	9:30	63.9	59.5	66.0		63.9	Fine	1.1
14-Feb-19	16:55	67.4	62.0	69.0		67.4	Fine	0.0
20-Feb-19	15:40	65.8	60.5	67.5		65.8	Fine	1.4
26-Feb-19	15:55	66.4	59.5	68.0		66.4	Sunny	1.5
5-Mar-19	9:50	66.1	62.5	67.5		66.1	Fine	1.2
12-Mar-19	9:05	64.9	63.0	66.0		64.9	Fine	1.0
19-Mar-19	9:00	65.3	63.5	66.5		65.3	Fine	1.1
26-Mar-19	9:04	66.0	63.0	68.0		66.0	Sunny	1.0
2-Apr-19	16:24	66.2	60.5	72.0		66.2	Fine	1.0
12-Apr-19	10:35	65.4	60.5	67.5		65.4	Hazy	0.0
18-Apr-19	11:00	64.2	61.5	66.5		64.2	Sunny	1.4
24-Apr-19	13:03	67.2	61.5	73.0		67.2	Sunny	0.0
30-Apr-19	13:02	69.4	59.5	72.5		69.4	Overcast	0.8
11-May-19	11:16	65.1	61.5	66.0		65.1	Fine	0.8
17-May-19	10:17	64.9	60.0	66.0		64.9	Sunny	1.1
23-May-19	11:40	65.8	61.0	67.0		65.8	Fine	0.7
29-May-19	11:46	69.2	63.5	73.0		69.2	Overcast	1.1
4-Jun-19	15:09	63.8	61.0	65.5		63.8	Sunny	0.2
14-Jun-19	16:38	66.8	62.0	69.0		66.8	Overcast	0.9
20-Jun-19	16:11	66.2	61.0	68.0		66.2	Sunny	0.4
26-Jun-19	13:55	71.5	66.0	72.5		71.5	Fine	0.1
6-Jul-19	15:20	67.2	62.1	69.0		67.2	Fine	0.6
12-Jul-19	14:23	68.1	64.0	70.0		68.1	Sunny	0.3
18-Jul-19	13:47	67.0	62.0	69.0		67.0	Sunny	0.6
24-Jul-19	10:45	66.7	61.0	68.0		66.7	Sunny	0.0
30-Jul-19	14:11	66.1	60.0	68.5		66.1	Sunny	0.5
10-Aug-19	14:38	66.5	62.5	68.0		66.5	Fine	0.2
16-Aug-19	14:58	63.2	60.0	65.0		63.2	Sunny	0.2
22-Aug-19	9:30	64.3	59.6	67.2		64.3	Fine	0.3
28-Aug-19	10:23	68.2	64.5	70.5	68.2	Fine	0.7	
3-Sep-19	14:12	67.8	64.0	71.0	67.8	Fine	0.6	
13-Sep-19	14:53	62.9	60.0	64.5	62.9	Sunny	0.2	
19-Sep-19	15:18	68.4	64.5	73.0	68.4	Fine	0.5	
25-Sep-19	8:45	64.3	59.5	69.0	64.3	Sunny	0.0	
5-Oct-19	8:32	66.5	64.5	68.5	66.5	Sunny	0.5	
12-Oct-19	11:09	66.2	61.0	67.5	66.2	Sunny	0.0	
18-Oct-19	14:40	67.5	61.5	70.5	67.5	Fine	0.0	
24-Oct-19	10:14	63.4	59.5	65.0	63.4	Sunny	0.2	
30-Oct-19	13:20	66.2	61.0	67.5	66.2	Sunny	0.7	
5-Nov-19	9:26	64.7	60.0	65.5	64.7	Fine	1.2	
15-Nov-19	9:59	64.8	60.5	67.5	64.8	Sunny	0.0	
22-Nov-19	13:00	65.6	62.0	67.5	65.6	Fine	0.6	
28-Nov-19	10:04	64.4	58.9	66.1	64.4	Sunny	0.6	

**NMS 16 Ha Wo Che**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	16:57	63.5	59.0	66.5	75	63.5	Sunny	1.0
10-Dec-18	10:42	61.2	55.0	63.0		61.2	Sunny	1.2
14-Dec-18	11:40	66.7	62.5	67.5		66.7	Fine	1.1
20-Dec-18	11:27	62.6	58.5	65.0		62.6	Fine	0.8
27-Dec-18	10:17	64.6	60.5	67.5		64.6	Fine	0.7
3-Jan-19	15:30	67.0	63.5	71.0		67.0	Fine	1.1
9-Jan-19	9:09	65.5	62.5	67.0		65.5	Fine	0.3
15-Jan-19	10:40	68.0	67.5	72.0		68.0	Cloudy	1.2
21-Jan-19	10:05	66.5	62.1	68.0		66.5	Fine	0.6
28-Jan-19	13:27	64.9	61.0	67.0		64.9	Fine	0.5
1-Feb-19	15:30	67.4	61.5	68.5		67.4	Fine	0.9
8-Feb-19	10:05	62.4	51.0	65.0		62.4	Fine	1.4
14-Feb-19	16:20	66.5	61.5	68.0		66.5	Fine	0.0
20-Feb-19	15:05	66.5	61.0	68.0		66.5	Fine	1.2
26-Feb-19	15:20	64.8	61.5	66.5		64.8	Sunny	1.6
5-Mar-19	10:25	64.2	60.5	66.0		64.2	Fine	1.4
12-Mar-19	9:48	63.1	57.5	66.0		63.1	Fine	1.1
19-Mar-19	9:50	63.4	58.0	67.5		63.4	Fine	1.3
26-Mar-19	9:10	63.6	60.5	65.5		63.6	Sunny	1.3
2-Apr-19	15:50	64.7	60.0	66.5		64.7	Fine	0.8
12-Apr-19	11:10	68.6	57.5	69.0		68.6	Hazy	0.8
18-Apr-19	11:32	61.7	57.5	64.5		61.7	Sunny	1.2
24-Apr-19	11:35	64.3	61.5	68.5		64.3	Sunny	0.0
30-Apr-19	11:30	68.3	63.0	71.5		68.3	Overcast	0.7
11-May-19	10:41	66.8	62.0	68.5		66.8	Fine	1.3
17-May-19	10:41	67.0	63.5	69.5		67.0	Sunny	0.8
23-May-19	11:06	66.8	61.5	67.5		66.8	Fine	1.1
29-May-19	11:14	68.7	63.0	71.5		68.7	Overcast	1.3
4-Jun-19	15:44	62.4	58.0	64.5		62.4	Sunny	0.2
14-Jun-19	16:02	65.5	60.5	67.0		65.5	Overcast	0.6
20-Jun-19	15:37	67.1	61.5	69.0		67.1	Sunny	0.6
26-Jun-19	14:33	70.0	67.5	71.0		70.0	Fine	0.2
6-Jul-19	15:56	66.2	63.0	68.0		66.2	Fine	1.0
12-Jul-19	14:57	67.5	63.5	68.5		67.5	Sunny	0.8
18-Jul-19	13:02	66.1	60.0	67.5		66.1	Sunny	0.7
24-Jul-19	11:21	66.9	61.5	69.0		66.9	Sunny	0.7
30-Jul-19	14:45	65.8	60.0	68.0		65.8	Sunny	0.3
10-Aug-19	15:14	66.8	63.0	69.0		66.8	Fine	0.0
16-Aug-19	15:31	62.8	57.5	64.5		62.8	Sunny	0.0
22-Aug-19	10:08	65.9	60.3	68.2		65.9	Fine	0.0
28-Aug-19	11:05	65.6	60.5	67.5	65.6	Fine	0.5	
3-Sep-19	14:48	67.1	63.5	70.0	67.1	Fine	0.6	
13-Sep-19	15:28	62.4	57.0	64.0	62.4	Sunny	0.1	
19-Sep-19	15:54	66.6	62.0	71.0	66.6	Fine	0.6	
25-Sep-19	9:33	62.6	57.0	66.0	62.6	Sunny	0.0	
5-Oct-19	9:06	65.5	64.0	66.5	65.5	Sunny	0.0	
12-Oct-19	13:06	67.3	62.5	68.5	67.3	Sunny	0.6	
18-Oct-19	15:25	66.8	62.5	72.5	66.8	Fine	0.6	
24-Oct-19	10:49	64.4	58.5	66.5	64.4	Sunny	0.5	
30-Oct-19	8:54	62.5	58.0	64.5	62.5	Sunny	0.0	
5-Nov-19	10:02	65.3	61.0	66.5	65.3	Fine	0.8	
15-Nov-19	9:17	65.8	61.5	68.5	65.8	Sunny	0.8	
22-Nov-19	13:36	66.2	63.5	68.5	66.2	Fine	0.4	
28-Nov-19	10:49	65.4	59.5	67.2	65.4	Sunny	0.6	

### NMS 17 Shatin Pui Ying College

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	11:12	63.2	60.5	64.5	70	63.2	Sunny	1.1
10-Dec-18	9:45	69.0	67.0	70.5		69.0	Sunny	1.6
14-Dec-18	10:00	68.9	66.5	70.5		68.9	Fine	1.0
20-Dec-18	10:40	62.0	59.5	64.0		62.0	Fine	1.1
27-Dec-18	11:30	63.4	51.0	66.0		63.4	Fine	0.6
4-Jan-19	9:50	65.1	62.5	67.0	65.1	Cloudy	0.1	
10-Jan-19	9:58	64.6	63.1	68.4	64.6	Fine	0.0	
16-Jan-19	13:00	64.5	59.0	67.5	64.5	Cloudy	1.1	
22-Jan-19	10:00	62.3	59.0	63.0	62.3	Fine	1.0	
29-Jan-19	13:27	59.5	56.0	61.0	59.5	Fine	0.4	
4-Feb-19	10:53	63.3	60.0	65.5	63.3	Fine	0.4	
11-Feb-19	10:30	59.9	58.0	61.5	59.9	Fine	0.3	
18-Feb-19	13:40	63.2	55.5	64.5	63.2	Fine	1.6	
25-Feb-19	17:05	60.0	59.5	62.0	60.0	Fine	0.1	
4-Mar-19	16:02	60.3	59.5	62.0	60.3	Fine	0.2	
11-Mar-19	10:10	64.5	62.0	66.5	64.5	Fine	1.4	
18-Mar-19	9:30	65.5	61.5	68.0	65.5	Fine	1.3	
25-Mar-19	14:10	63.1	60.5	65.5	63.1	Sunny	0.8	
1-Apr-19	11:30	62.7	57.0	66.0	62.7	Overcast	0.7	
11-Apr-19	11:28	64.8	58.0	66.5	64.8	Overcast	0.7	
17-Apr-19	13:34	64.1	57.5	65.0	64.1	Sunny	0.5	
23-Apr-19	9:39	64.3	58.0	66.5	64.3	Sunny	1.1	
29-Apr-19	11:31	64.1	59.5	66.0	64.1	Overcast	1.3	
10-May-19	14:36	60.3	58.0	62.0	60.3	Sunny	0.2	
16-May-19	13:41	64.6	58.5	66.0	64.6	Sunny	1.1	
22-May-19	16:40	64.0	59.5	65.0	64.0	Fine	1.0	
28-May-19	16:21	64.1	59.0	65.5	64.1	Overcast	1.3	
3-Jun-19	9:38	68.1	62.0	71.5	62.2*	Overcast	1.2	
13-Jun-19	10:02	64.2	60.0	66.0	64.2	Overcast	0.9	
19-Jun-19	9:49	66.5	61.0	68.0	66.5^	Sunny	0.4	
25-Jun-19	9:52	63.8	60.5	65.0	63.8	Fine	0.8	
5-Jul-19	9:20	66.7	61.5	70.0	66.7	Sunny	0.1	
11-Jul-19	15:22	62.5	58.0	64.5	62.5	Sunny	1.1	
17-Jul-19	15:21	66.5	61.5	67.5	66.5	Sunny	0.7	
23-Jul-19	15:33	65.7	61.0	66.5	65.7	Sunny	0.7	
29-Jul-19	13:38	64.3	59.5	66.0	64.3	Sunny	0.4	
9-Aug-19	11:28	60.2	58.0	62.0	60.2	Sunny	0.2	
15-Aug-19	14:17	63.8	59.0	65.0	63.8	Sunny	0.8	
21-Aug-19	10:37	68.1	65.0	69.5	68.1	Sunny	0.0	
27-Aug-19	13:02	64.6	60.5	66.0	64.6	Fine	0.4	
2-Sep-19	13:08	60.8	58.0	62.5	60.8	Overcast	0.4	
12-Sep-19	9:13	64.1	60.0	65.5	64.1	Fine	0.0	
18-Sep-19	13:37	64.5	59.5	65.5	64.5	Fine	0.4	
24-Sep-19	13:41	64.4	59.0	65.0	64.4	Sunny	0.9	
4-Oct-19	9:17	63.8	57.0	67.0	63.8	Fine	0.0	
11-Oct-19	9:50	64.8	60.0	67.0	64.8	Sunny	1.2	
17-Oct-19	10:59	64.6	62.0	66.0	64.6	Sunny	0.9	
23-Oct-19	9:48	64.0	61.5	65.5	64.0	Fine	0.6	
29-Oct-19	11:31	64.2	62.0	65.5	64.2	Fine	0.9	
4-Nov-19	10:48	63.9	59.3	65.0	63.9	Fine	0.6	
14-Nov-19	9:46	64.3	60.0	66.9	64.3	Sunny	1.1	
21-Nov-19	11:30	64.6	62.0	66.5	64.6	Sunny	0.8	
27-Nov-19	9:40	63.7	60.2	66.0	63.7	Fine	0.5	

Note: \*Since the measured noise level was greater than the limit level, construction noise level (CNL) was applied on 3/6/2019, where Calculated CNL = Measured Noise Level during operation – Baseline (66.8 dB(A)).

^The measured noise level was lower than the baseline level (66.8 dB(A)).

**NMS 18 Ha Wo Che**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	14:51	60.9	56.0	63.5	75	60.9	Cloudy	1.2
11-Dec-18	12:20	69.6	64.5	71.5		69.6	Fine	1.2
15-Dec-18	11:42	58.6	53.0	60.5		58.6	Fine	0.5
21-Dec-18	11:16	57.7	53.0	60.5		57.7	Fine	0.4
28-Dec-18	11:31	57.7	53.0	59.0		57.7	Fine	0.5
3-Jan-19	16:30	64.5	62.0	67.5		64.5	Fine	1.3
9-Jan-19	9:47	66.5	63.5	69.5		66.5	Fine	0.0
15-Jan-19	11:15	70.5	67.0	73.0		70.5	Cloudy	1.3
21-Jan-19	10:51	62.4	55.5	65.5		62.4	Fine	0.3
28-Jan-19	14:21	64.4	61.5	66.0		64.4	Fine	0.6
1-Feb-19	17:00	72.5	68.5	75.0		72.5	Fine	1.4
8-Feb-19	10:40	60.0	52.5	62.0		60.0	Fine	1.1
14-Feb-19	15:45	72.6	68.5	75.0		72.6	Fine	1.2
20-Feb-19	14:30	73.2	69.0	77.5		73.2	Fine	1.7
26-Feb-19	14:45	65.4	58.5	68.5		65.4	Sunny	1.1
5-Mar-19	11:00	62.5	60.0	65.5		62.5	Fine	1.2
12-Mar-19	10:33	65.5	63.0	68.5		65.5	Fine	1.4
19-Mar-19	10:30	64.2	63.5	70.0		64.2	Fine	1.2
26-Mar-19	10:20	62.8	60.5	65.0		62.8	Sunny	1.6
2-Apr-19	15:16	64.0	59.5	65.5		64.0	Fine	1.2
12-Apr-19	13:10	61.6	55.0	65.0		61.6	Hazy	0.0
18-Apr-19	13:02	60.3	58.0	64.0		60.3	Sunny	1.2
24-Apr-19	11:02	64.3	57.5	65.5		64.3	Sunny	1.3
30-Apr-19	10:52	65.8	58.5	69.0		65.8	Overcast	0.7
11-May-19	10:05	67.6	61.5	71.0		67.6	Fine	1.2
17-May-19	11:30	65.8	60.5	68.0		65.8	Sunny	1.7
23-May-19	10:26	67.6	60.0	69.0		67.6	Fine	0.9
29-May-19	10:20	67.6	62.5	69.5		67.6	Overcast	0.8
4-Jun-19	16:19	60.7	58.0	63.0		60.7	Sunny	0.2
14-Jun-19	15:27	66.4	60.5	68.5		66.4	Overcast	0.4
20-Jun-19	15:02	66.2	60.5	67.5		66.2	Sunny	0.3
26-Jun-19	15:17	72.5	66.0	78.5		72.5	Fine	0.4
6-Jul-19	16:31	65.6	60.5	66.5		65.6	Fine	1.1
12-Jul-19	15:30	66.1	59.0	67.0		66.1	Sunny	0.4
18-Jul-19	11:14	65.1	61.0	67.5		65.1	Sunny	0.4
24-Jul-19	13:09	66.1	60.0	67.5		66.1	Sunny	0.4
30-Jul-19	15:19	64.9	59.0	67.0		64.9	Sunny	0.0
10-Aug-19	16:02	65.2	61.0	66.0		65.2	Fine	0.4
16-Aug-19	16:05	60.5	58.0	62.5		60.5	Sunny	0.0
22-Aug-19	10:45	65.7	58.9	68.3		65.7	Fine	0.0
28-Aug-19	11:40	66.0	58.5	68.0	66.0	Fine	0.3	
3-Sep-19	15:25	64.1	60.0	65.0	64.1	Fine	0.8	
13-Sep-19	16:02	59.8	57.0	62.0	59.8	Sunny	0.0	
19-Sep-19	16:32	64.6	61.0	66.5	64.6	Fine	0.4	
25-Sep-19	10:16	64.8	58.0	68.5	64.8	Sunny	0.0	
5-Oct-19	9:41	60.8	62.0	69.0	60.8	Sunny	0.3	
12-Oct-19	13:43	65.6	61.0	66.5	65.6	Sunny	0.6	
18-Oct-19	13:25	67.5	63.5	72.5	67.5	Fine	0.0	
24-Oct-19	11:29	60.8	58.0	63.0	60.8	Sunny	0.2	
30-Oct-19	9:30	60.6	54.0	62.5	60.6	Sunny	0.2	
5-Nov-19	10:38	65.1	60.0	66.0	65.1	Fine	1.0	
15-Nov-19	10:42	63.7	59.5	66.5	63.7	Sunny	0.8	
22-Nov-19	14:11	65.6	60.0	66.3	65.6	Fine	0.4	
28-Nov-19	11:19	66.1	61.0	68.9	66.1	Sunny	0.3	



### NMS 19 Wo Che Estate

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	13:41	65.9	62.5	67.5	75	65.9	Cloudy	1.0
11-Dec-18	11:05	72.1	69.0	73.5		72.1	Fine	1.2
15-Dec-18	9:50	65.6	61.5	67.5		65.6	Fine	0.8
21-Dec-18	9:52	63.7	61.5	65.5		63.7	Fine	0.7
28-Dec-18	9:41	67.1	63.5	69.0		67.1	Fine	1.0
4-Jan-19	10:28	67.7	65.0	69.5		67.7	Cloudy	0.2
10-Jan-19	10:51	71.2	67.0	74.0		71.2	Fine	1.1
16-Jan-19	13:40	70.5	66.0	73.5		70.5	Cloudy	1.2
22-Jan-19	10:40	68.9	65.0	70.0		68.9	Fine	1.2
29-Jan-19	14:07	69.0	63.0	71.5		69.0	Fine	0.6
4-Feb-19	11:31	65.8	62.0	68.0		65.8	Fine	0.0
11-Feb-19	11:05	67.7	64.5	69.5		67.7	Fine	0.5
18-Feb-19	14:15	66.0	64.0	68.5		66.0	Fine	1.2
25-Feb-19	17:39	66.4	63.5	69.0		66.4	Fine	0.2
4-Mar-19	16:39	68.4	65.0	70.0		68.4	Fine	0.3
11-Mar-19	9:35	70.1	65.5	72.5		70.1	Fine	1.4
18-Mar-19	9:05	70.6	64.5	73.0		70.6	Fine	1.1
25-Mar-19	13:35	69.2	65.0	71.0		69.2	Sunny	1.1
1-Apr-19	10:56	70.6	67.0	75.0		70.6	Overcast	1.0
11-Apr-19	13:00	72.1	67.0	76.5		72.1	Overcast	0.9
17-Apr-19	14:11	71.2	66.0	74.5		71.2	Sunny	0.9
23-Apr-19	10:14	70.8	65.5	74.0		70.8	Sunny	2.7
29-Apr-19	13:02	67.3	60.5	70.0		67.3	Overcast	1.4
10-May-19	15:11	67.4	64.0	70.0		67.4	Sunny	0.2
16-May-19	14:14	66.3	60.5	69.0		66.3	Sunny	1.2
22-May-19	15:52	67.5	63.0	71.0		67.5	Fine	0.9
28-May-19	15:40	68.6	63.5	72.0		68.6	Overcast	0.8
3-Jun-19	10:14	70.6	63.5	74.0		70.6	Overcast	0.9
13-Jun-19	10:38	66.2	63.0	69.0		66.2	Overcast	0.4
19-Jun-19	11:08	67.2	63.0	70.0		67.2	Sunny	0.6
25-Jun-19	11:10	66.7	61.5	68.5		66.7	Fine	0.7
5-Jul-19	8:42	61.8	57.0	64.5		61.8	Sunny	0.2
11-Jul-19	15:58	68.4	66.0	71.0		68.4	Sunny	0.8
17-Jul-19	15:56	66.7	63.0	68.0		66.7	Sunny	0.6
23-Jul-19	16:11	67.0	63.0	69.0		67.0	Sunny	0.4
29-Jul-19	14:12	66.5	63.0	69.0		66.5	Sunny	0.6
9-Aug-19	12:10	66.8	64.0	68.5		66.8	Sunny	0.0
15-Aug-19	14:51	66.8	64.0	67.5		66.8	Sunny	0.5
21-Aug-19	10:40	69.5	65.0	71.0		69.5	Sunny	0.0
27-Aug-19	13:45	66.8	62.5	68.5		66.8	Fine	0.8
2-Sep-19	13:45	67.6	65.0	71.0		67.6	Overcast	0.3
12-Sep-19	9:58	66.5	63.5	68.0		66.5	Fine	0.0
18-Sep-19	14:11	67.5	65.0	68.5	67.5	Fine	0.7	
24-Sep-19	14:16	68.7	66.0	70.5	68.7	Sunny	0.5	
4-Oct-19	10:08	66.5	62.5	69.5	66.5	Fine	0.5	
11-Oct-19	10:26	69.2	66.0	72.5	69.2	Sunny	0.7	
17-Oct-19	11:33	67.8	65.0	69.0	67.8	Sunny	0.6	
23-Oct-19	9:09	67.0	64.0	68.5	67.0	Fine	0.7	
29-Oct-19	13:30	68.6	64.0	72.0	68.6	Fine	1.1	
4-Nov-19	11:28	68.6	64.0	70.0	68.6	Fine	1.1	
14-Nov-19	9:08	70.6	66.3	73.5	70.6	Sunny	0.6	
21-Nov-19	13:12	71.8	67.5	74.0	71.8	Sunny	1.1	
27-Nov-19	9:06	69.2	65.0	72.1	69.2	Fine	0.8	

**NMS 20 Wo Che Estate**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	12:08	64.3	59.5	66.5	75	64.3	Cloudy	0.9
11-Dec-18	10:30	69.7	67.0	71.5		69.7	Fine	1.6
15-Dec-18	10:26	59.6	57.0	61.5		59.6	Fine	0.6
21-Dec-18	10:28	58.7	56.5	60.0		58.7	Fine	0.4
28-Dec-18	10:16	58.7	56.5	60.5		58.7	Fine	1.1
4-Jan-19	11:04	63.3	58.5	65.5		63.3	Cloudy	0.3
10-Jan-19	11:28	65.8	58.5	70.0		65.8	Fine	0.8
16-Jan-19	14:15	71.6	68.0	73.0		71.6	Cloudy	1.3
22-Jan-19	11:15	61.3	57.5	63.0		61.3	Fine	0.8
29-Jan-19	15:09	64.6	59.0	66.0		64.6	Fine	0.6
4-Feb-19	12:05	58.8	55.0	61.0		58.8	Fine	0.0
11-Feb-19	11:42	60.1	57.5	62.0		60.1	Fine	0.3
18-Feb-19	14:50	67.5	65.0	70.0		67.5	Fine	0.9
25-Feb-19	18:13	60.9	58.0	63.0		60.9	Fine	0.3
4-Mar-19	17:17	60.6	58.0	63.0		60.6	Fine	0.2
11-Mar-19	9:00	64.4	61.0	67.0		64.4	Fine	1.1
18-Mar-19	8:30	65.4	61.5	68.0		65.4	Fine	1.0
25-Mar-19	13:00	63.4	60.0	65.5		63.4	Sunny	1.1
1-Apr-19	10:21	63.5	59.0	65.5		63.5	Overcast	1.2
11-Apr-19	13:43	64.7	58.5	65.5		64.7	Overcast	1.1
17-Apr-19	14:49	63.2	60.0	66.0		63.2	Sunny	1.0
23-Apr-19	10:30	63.8	61.0	65.0		63.8	Sunny	1.3
29-Apr-19	13:42	67.0	62.5	69.5		67.0	Overcast	0.8
10-May-19	15:45	60.6	57.0	62.5		60.6	Sunny	0.2
16-May-19	14:50	70.7	62.5	72.0		70.7	Sunny	1.1
22-May-19	15:14	66.2	61.0	69.0		66.2	Fine	1.2
28-May-19	14:55	65.8	60.0	68.0		65.8	Overcast	1.0
3-Jun-19	11:33	63.4	60.0	66.0		63.4	Overcast	0.6
13-Jun-19	11:13	67.1	63.5	70.0		67.1	Overcast	0.7
19-Jun-19	11:42	68.1	63.5	70.5		68.1	Sunny	0.4
25-Jun-19	11:47	66.2	61.0	67.5		66.2	Fine	0.6
5-Jul-19	8:40	63.1	58.5	65.5		63.1	Sunny	0.0
11-Jul-19	16:40	66.7	63.0	69.0		66.7	Sunny	0.6
17-Jul-19	16:11	68.1	64.0	70.0		68.1	Sunny	0.5
23-Jul-19	16:52	68.1	65.0	71.5		68.1	Sunny	0.6
29-Jul-19	14:46	68.2	65.0	70.5		68.2	Sunny	0.4
9-Aug-19	13:21	60.7	57.0	62.5		60.7	Sunny	0.1
15-Aug-19	13:26	67.1	64.5	69.0		67.1	Sunny	0.7
21-Aug-19	11:20	59.4	55.5	65.5		59.4	Sunny	0.0
27-Aug-19	14:32	67.1	63.5	70.5		67.1	Fine	0.7
2-Sep-19	9:51	61.2	58.0	63.0		61.2	Overcast	0.3
12-Sep-19	10:45	66.7	64.0	68.5		66.7	Fine	0.0
18-Sep-19	15:00	66.8	64.0	68.5	66.8	Fine	0.8	
24-Sep-19	14:54	67.6	65.5	70.0	67.6	Sunny	0.6	
4-Oct-19	10:50	67.0	63.0	70.5	67.0	Fine	0.8	
11-Oct-19	11:02	67.1	63.5	68.5	67.1	Sunny	1.1	
17-Oct-19	13:07	68.9	66.0	71.5	68.9	Sunny	0.8	
23-Oct-19	9:02	68.1	65.0	71.0	68.1	Fine	1.1	
29-Oct-19	14:06	70.3	65.5	74.5	70.3	Fine	1.3	
4-Nov-19	13:06	67.7	63.5	69.0	67.7	Fine	1.2	
14-Nov-19	8:33	69.6	66.0	73.3	69.6	Sunny	0.6	
21-Nov-19	13:07	68.9	66.0	71.5	68.9	Sunny	0.8	
27-Nov-19	9:42	69.0	64.3	72.0	69.0	Fine	0.8	

**NMS 23 Pai Tau**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	11:15	63.9	60.5	66.5	75	63.9	Cloudy	0.9
11-Dec-18	11:00	64.8	60.0	67.0		64.8	Fine	1.5
15-Dec-18	10:47	68.5	64.0	70.5		68.5	Fine	0.6
21-Dec-18	11:30	71.0	66.0	72.5		71.0	Fine	0.8
28-Dec-18	11:30	69.5	67.0	72.0		69.5	Fine	1.1
3-Jan-19	13:30	63.5	57.5	66.0		63.5	Fine	1.1
9-Jan-19	12:00	61.9	59.5	64.0		61.9	Fine	0.0
15-Jan-19	13:00	65.6	57.0	68.0		65.6	Cloudy	0.0
21-Jan-19	11:41	63.2	60.5	64.5		63.2	Fine	0.1
28-Jan-19	15:14	63.5	58.0	65.5		63.5	Fine	0.4
1-Feb-19	13:40	68.6	64.5	71.0		68.6	Fine	1.4
8-Feb-19	14:20	62.5	54.0	64.0		62.5	Fine	1.4
14-Feb-19	11:40	64.5	58.5	66.0		64.5	Fine	0.8
20-Feb-19	10:45	66.5	62.0	69.0		66.5	Fine	1.6
26-Feb-19	10:25	68.5	60.0	72.0		68.5	Sunny	1.2
5-Mar-19	9:00	64.0	59.5	66.0		64.0	Fine	0.0
12-Mar-19	10:25	64.3	60.0	66.5		64.3	Fine	0.8
19-Mar-19	10:35	65.3	60.5	67.5		65.3	Fine	0.7
26-Mar-19	9:20	64.1	61.5	66.0		64.1	Sunny	1.6
2-Apr-19	10:26	61.8	59.0	66.0		61.8	Fine	1.1
12-Apr-19	10:00	67.2	62.5	69.5		67.2	Hazy	0.0
18-Apr-19	10:21	60.3	56.5	63.0		60.3	Sunny	1.2
24-Apr-19	10:55	63.1	60.0	66.5		63.1	Sunny	0.0
30-Apr-19	14:10	68.2	65.0	70.5		68.2	Overcast	2.0
11-May-19	13:00	67.5	62.0	69.0		67.5	Fine	0.9
17-May-19	9:40	68.0	60.5	71.5		68.0	Sunny	1.0
23-May-19	10:27	71.0	63.5	72.5		71.0	Fine	0.9
29-May-19	10:20	70.7	63.0	71.5		70.7	Overcast	0.8
4-Jun-19	14:26	61.7	57.0	63.0		61.7	Sunny	0.1
14-Jun-19	13:37	68.6	62.5	71.0		68.6	Overcast	0.5
20-Jun-19	16:53	67.2	63.5	70.5		67.2	Sunny	0.4
26-Jun-19	15:59	69.5	68.0	76.5		69.5	Fine	0.2
6-Jul-19	10:29	66.4	60.0	68.0		66.4	Fine	0.4
12-Jul-19	13:38	70.7	62.0	73.0		70.7	Sunny	0.7
18-Jul-19	10:56	66.8	61.5	67.5		66.8	Sunny	0.3
24-Jul-19	10:19	66.1	61.5	67.0		66.1	Sunny	0.7
30-Jul-19	15:56	68.0	63.5	69.0		68.0	Sunny	0.3
10-Aug-19	14:00	70.1	63.0	72.5		70.1	Fine	0.0
16-Aug-19	14:15	61.3	57.5	63.0		61.3	Sunny	0.0
22-Aug-19	11:29	69.8	64.2	74.6		69.8	Fine	1.4
28-Aug-19	9:43	66.3	63.0	69.0	66.3	Fine	0.5	
3-Sep-19	13:47	71.6	63.5	74.0	71.6	Fine	0.8	
13-Sep-19	14:11	61.8	58.0	63.5	61.8	Sunny	0.0	
19-Sep-19	14:44	70.8	63.0	73.5	70.8	Fine	0.8	
25-Sep-19	11:10	61.7	55.0	65.5	61.7	Sunny	0.0	
5-Oct-19	12:18	64.7	63.5	66.0	64.7	Sunny	0.4	
12-Oct-19	10:22	67.6	63.0	69.0	67.6	Sunny	0.0	
18-Oct-19	14:13	65.3	58.0	69.0	65.3	Fine	0.0	
24-Oct-19	9:33	61.2	58.5	64.0	61.2	Sunny	0.2	
30-Oct-19	10:32	64.1	60.5	66.5	64.1	Sunny	0.0	
5-Nov-19	8:44	66.5	62.0	67.5	66.5	Fine	1.1	
15-Nov-19	11:27	62.8	58.5	65.0	62.8	Sunny	0.7	
22-Nov-19	11:24	66.4	63.5	69.0	66.4	Fine	0.3	
28-Nov-19	9:33	64.5	60.0	69.8	64.5	Sunny	0.7	

### NMS 24 Shatin Plaza

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	13:57	63.3	61.5	65.0	75	63.3	Sunny	1.2
10-Dec-18	14:57	63.5	60.5	64.5		63.5	Sunny	1.0
14-Dec-18	12:20	64.4	60.5	66.5		64.4	Fine	1.2
20-Dec-18	12:04	63.0	61.0	64.5		63.0	Fine	0.7
27-Dec-18	13:30	65.9	62.5	68.5		65.9	Fine	0.5
4-Jan-19	9:07	68.7	67.0	70.0		68.7	Cloudy	0.8
10-Jan-19	12:20	67.4	64.8	69.7		67.4	Fine	0.8
16-Jan-19	14:55	69.0	65.5	73.5		69.0	Cloudy	1.2
22-Jan-19	15:05	69.0	65.0	72.5		69.0	Fine	1.1
29-Jan-19	9:00	63.1	61.0	64.0		63.1	Fine	0.6
4-Feb-19	8:30	62.7	60.5	63.5		62.7	Fine	0.4
11-Feb-19	14:17	63.6	61.5	65.0		63.6	Fine	0.1
18-Feb-19	9:05	67.5	62.0	70.5		67.5	Fine	1.2
25-Feb-19	10:21	63.8	62.0	65.0		63.8	Fine	0.3
4-Mar-19	10:33	63.5	61.5	65.5		63.5	Fine	0.1
11-Mar-19	8:35	72.5	62.0	74.5		72.5	Fine	1.1
18-Mar-19	8:40	73.0	62.5	75.5		73.0	Fine	1.2
25-Mar-19	9:15	71.5	61.5	73.5		71.5	Sunny	1.6
1-Apr-19	15:22	71.6	66.5	75.0		71.6	Overcast	1.0
11-Apr-19	9:34	71.6	60.5	72.5		71.6	Overcast	0.7
17-Apr-19	9:35	70.8	67.0	73.5		70.8	Sunny	1.1
23-Apr-19	9:32	70.1	60.5	74.0		70.1	Sunny	0.6
29-Apr-19	9:33	72.1	62.0	75.0		72.1	Overcast	0.8
10-May-19	9:36	63.7	61.0	66.0		63.7	Sunny	0.2
16-May-19	9:07	71.8	67.0	74.0		71.8	Sunny	1.2
22-May-19	8:35	72.1	66.5	75.5		72.1	Fine	0.9
28-May-19	8:00	70.6	66.0	73.5		70.6	Overcast	1.4
3-Jun-19	9:04	71.2	65.5	74.5		71.2	Overcast	0.7
13-Jun-19	9:04	72.1	67.0	75.5		72.1	Overcast	0.8
19-Jun-19	8:31	64.2	62.0	65.0		64.2	Sunny	0.2
25-Jun-19	9:09	69.7	63.5	71.5		69.7	Fine	1.1
5-Jul-19	13:32	62.5	61.0	64.0		62.5	Sunny	0.0
11-Jul-19	9:08	70.6	66.0	72.0		70.6	Sunny	0.8
17-Jul-19	8:31	70.6	64.0	71.5		70.6	Sunny	0.8
23-Jul-19	9:11	72.1	65.0	73.5		72.1	Sunny	0.6
29-Jul-19	8:26	71.6	66.0	74.0		71.6	Sunny	0.9
9-Aug-19	8:44	61.7	60.0	63.5		61.7	Sunny	0.2
15-Aug-19	8:30	69.1	66.0	72.0		69.1	Sunny	0.4
21-Aug-19	8:42	61.4	28.0	63.0		61.4	Sunny	0.0
27-Aug-19	9:09	68.9	65.0	72.5		68.9	Fine	0.7
2-Sep-19	14:24	64.3	62.0	66.5	64.3	Overcast	0.3	
12-Sep-19	11:30	69.4	66.5	72.0	69.4	Fine	0.0	
18-Sep-19	8:31	69.4	66.5	72.5	69.4	Fine	0.4	
24-Sep-19	9:09	69.9	67.0	71.5	69.9	Sunny	0.5	
4-Oct-19	13:10	64.5	58.5	67.5	64.5	Fine	0.0	
11-Oct-19	9:08	67.6	65.0	71.5	67.6	Sunny	0.8	
17-Oct-19	9:06	69.8	66.0	72.5	69.8	Sunny	1.2	
23-Oct-19	13:00	72.1	66.5	75.0	72.1	Fine	0.9	
29-Oct-19	9:08	71.1	66.0	73.5	71.1	Fine	1.1	
4-Nov-19	9:15	69.4	67.0	73.0	69.4	Fine	1.1	
14-Nov-19	16:44	70.6	67.0	73.5	70.6	Sunny	0.7	
21-Nov-19	9:06	72.6	67.5	75.5	72.6	Sunny	1.2	
27-Nov-19	13:05	71.1	67.5	75.0	71.1	Fine	0.7	

**NMS 25A Sheung Wo Che**

Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
4-Dec-18	14:44	68.5	58.0	73.0	75	68.5	Sunny	1.0
10-Dec-18	10:06	65.3	63.5	66.5		65.3	Sunny	1.2
14-Dec-18	10:43	73.6	65.0	80.0		73.6	Fine	1.1
20-Dec-18	9:01	66.3	59.0	70.5		66.3	Fine	0.6
27-Dec-18	14:38	70.5	64.5	73.0		70.5	Fine	0.7
4-Jan-19	9:51	66.7	59.2	70.6		66.7	Cloudy	0.5
10-Jan-19	8:31	69.0	57.5	73.0		69.0	Fine	0.5
16-Jan-19	8:30	66.5	50.5	70.5		66.5	Cloudy	0.2
22-Jan-19	11:50	70.4	67.0	72.0		70.4	Fine	1.3
29-Jan-19	8:40	71.4	60.0	76.5		71.4	Fine	0.7
4-Feb-19	8:30	62.1	60.4	63.8		62.1	Fine	0.0
11-Feb-19	14:58	70.2	67.0	71.5		70.2	Fine	0.4
18-Feb-19	16:40	72.1	68.5	74.0		72.1	Fine	1.5
25-Feb-19	14:23	66.0	60.0	69.0		66.0	Fine	0.1
4-Mar-19	13:38	68.6	61.0	70.5		68.6	Fine	0.3
11-Mar-19	11:35	69.2	60.0	71.5		69.2	Fine	1.2
18-Mar-19	11:40	70.4	61.0	72.5		70.4	Fine	0.6
25-Mar-19	8:00	72.4	63.0	76.0		72.4	Sunny	0.8
1-Apr-19	8:30	69.2	61.0	72.0		69.2	Overcast	0.0
11-Apr-19	9:00	71.2	63.0	75.0		71.2	Overcast	1.1
17-Apr-19	16:34	70.4	62.0	74.5		70.4	Sunny	0.7
23-Apr-19	13:40	72.1	64.0	75.5		72.1	Sunny	0.8
29-Apr-19	9:12	70.6	66.5	72.0		70.6	Overcast	0.7
10-May-19	17:02	70.4	67.0	72.0		70.4	Sunny	0.3
16-May-19	16:40	69.2	62.0	73.0		69.2	Sunny	1.2
22-May-19	13:34	70.5	63.0	72.0		70.5	Fine	1.2
28-May-19	13:40	71.2	64.0	73.5		71.2	Overcast	1.2
3-Jun-19	13:37	69.5	66.0	72.5		69.5	Overcast	1.1
13-Jun-19	13:03	72.6	66.5	74.5		72.6	Overcast	0.4
19-Jun-19	8:35	66.7	61.5	69.0		66.7	Sunny	0.3
25-Jun-19	9:11	72.1	65.5	74.0		72.1	Fine	0.6
5-Jul-19	12:05	67.7	57.0	70.0		67.7	Sunny	0.0
11-Jul-19	13:02	72.1	66.0	75.5		72.1	Sunny	0.4
17-Jul-19	13:00	72.6	66.0	75.5		72.6	Sunny	0.4
23-Jul-19	9:50	68.6	61.5	71.0		68.6	Sunny	0.4
29-Jul-19	16:36	70.6	63.0	74.0		70.6	Sunny	0.7
9-Aug-19	9:23	68.4	66.0	70.5		68.4	Sunny	0.1
15-Aug-19	17:13	69.9	66.0	73.0		69.9	Sunny	0.3
21-Aug-19	12:37	66.1	59.5	70.5		66.1	Sunny	0.0
27-Aug-19	9:30	72.1	65.5	74.0		72.1	Fine	0.3
2-Sep-19	11:51	70.7	67.0	72.5		70.7	Overcast	0.1
12-Sep-19	12:17	69.7	66.5	72.5		69.7	Fine	0.0
18-Sep-19	17:20	71.1	66.5	74.0		71.1	Fine	1.1
24-Sep-19	16:52	72.4	67.0	74.5		72.4	Sunny	0.6
4-Oct-19	14:18	62.8	55.5	65.5		62.8	Fine	0.0
11-Oct-19	14:32	72.1	67.0	76.0	72.1	Sunny	1.2	
17-Oct-19	8:33	67.6	63.0	69.5	67.6	Sunny	1.0	
23-Oct-19	9:20	72.6	65.0	75.0	72.6	Fine	1.1	
29-Oct-19	9:47	72.6	65.0	75.5	72.6	Fine	0.7	
4-Nov-19	13:00	72.6	65.0	76.0	72.6	Fine	0.0	
14-Nov-19	15:32	73.1	69.5	76.5	73.1	Sunny	0.3	
21-Nov-19	9:48	74.2	70.0	78.5	74.2	Sunny	0.7	
27-Nov-19	9:58	73.4	66.9	76.8	73.4	Fine	0.8	

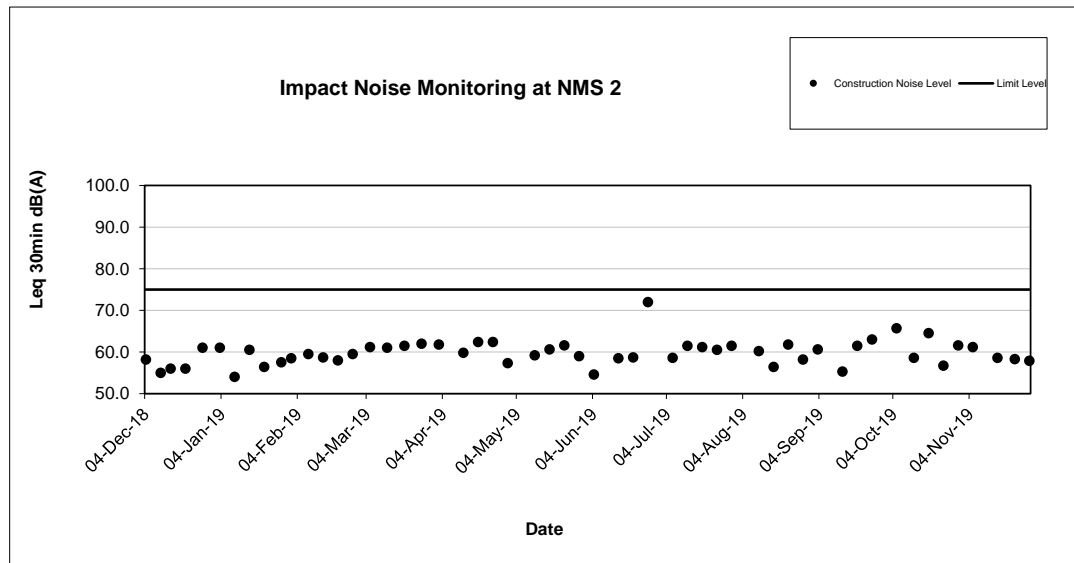
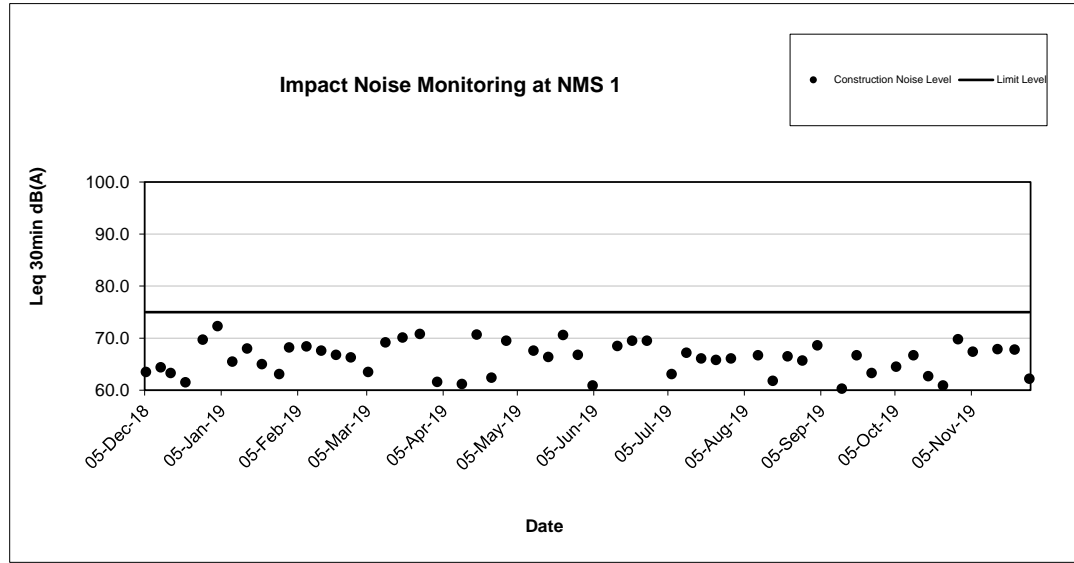


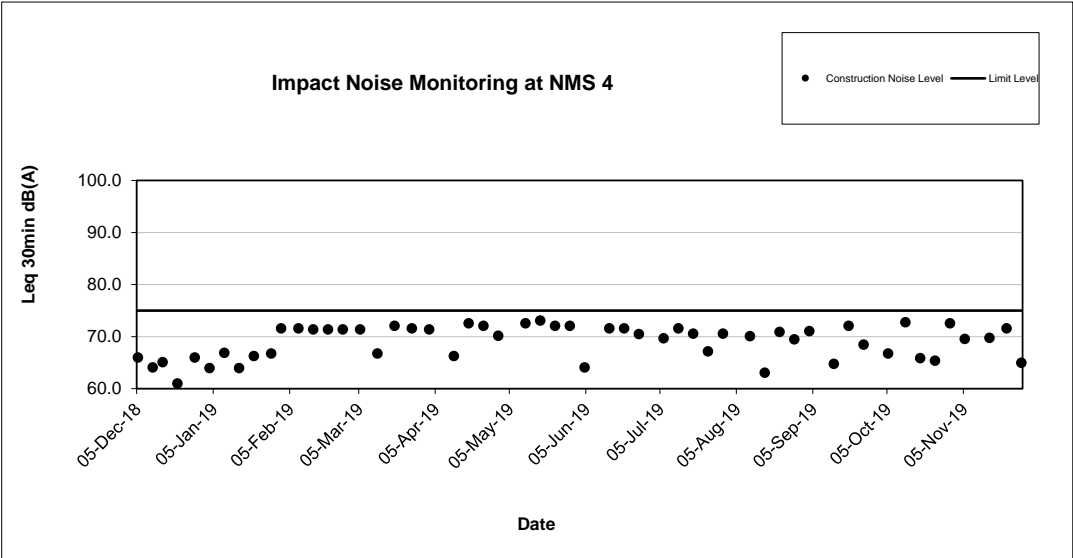
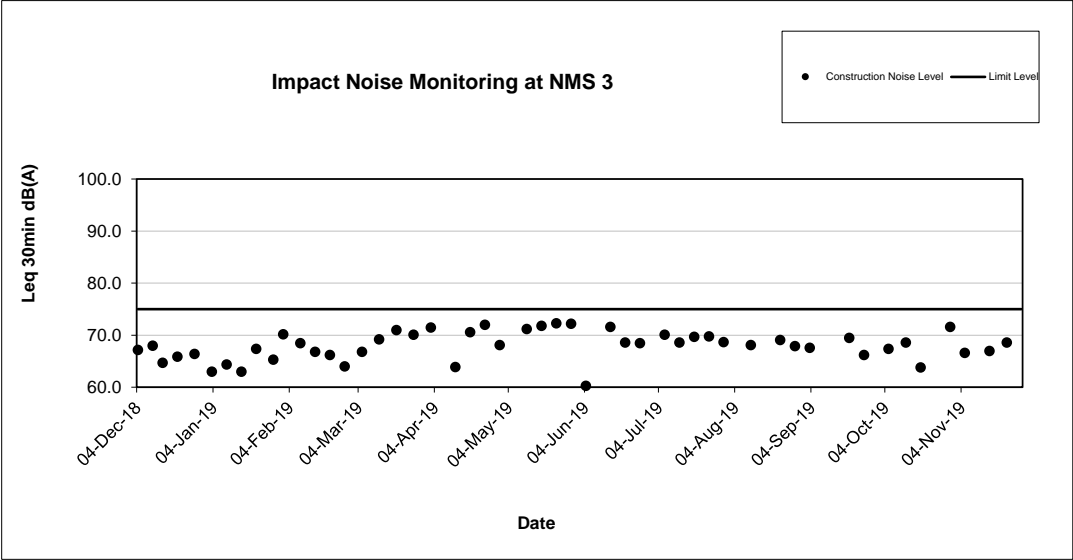
**NMS 26 Wo Che Estate**

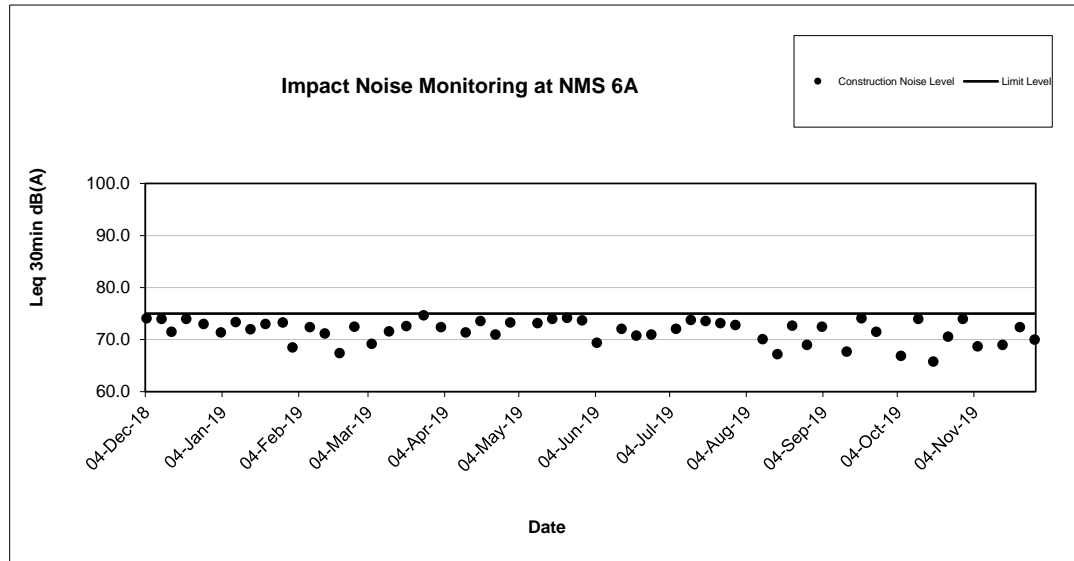
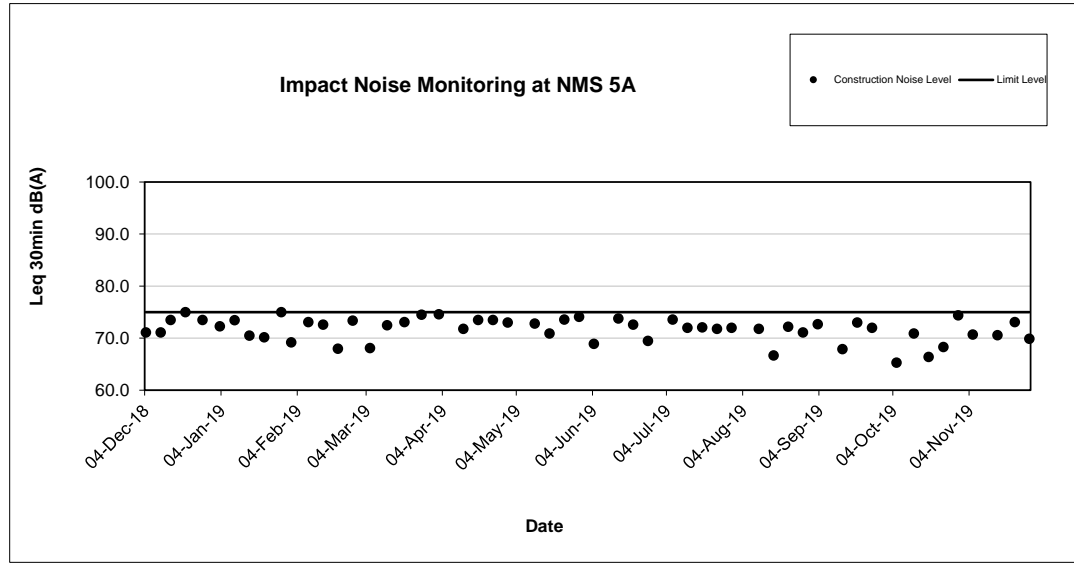
Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>				
Unit: dB(A) 30 Mins								
5-Dec-18	14:18	72.6	68.5	75.0	75	72.6	Cloudy	1.0
11-Dec-18	11:40	74.4	71.5	76.0		74.4	Fine	1.3
15-Dec-18	11:02	68.2	65.0	70.5		68.2	Fine	0.7
21-Dec-18	10:40	68.6	66.0	70.5		68.6	Fine	0.7
28-Dec-18	10:54	69.6	67.0	71.5		69.6	Fine	0.7
4-Jan-19	11:37	68.4	61.5	73.0		68.4	Cloudy	0.9
10-Jan-19	10:15	72.5	68.0	75.0		72.5	Fine	0.7
16-Jan-19	10:20	70.4	68.0	73.0		70.4	Cloudy	0.2
22-Jan-19	13:50	71.2	67.0	73.5		71.2	Fine	1.1
29-Jan-19	11:03	71.6	67.5	74.5		71.6	Fine	0.4
4-Feb-19	10:16	70.0	66.5	72.0		70.0	Fine	0.0
11-Feb-19	15:49	68.3	66.0	70.0		68.3	Fine	0.5
18-Feb-19	13:00	74.6	64.5	77.0		74.6	Fine	1.3
25-Feb-19	16:30	68.0	65.5	70.0		68.0	Fine	0.3
4-Mar-19	15:23	68.7	66.5	70.5		68.7	Fine	0.3
11-Mar-19	10:45	74.0	71.5	76.0		74.0	Fine	0.8
18-Mar-19	10:30	73.6	70.0	76.5		73.6	Fine	1.5
25-Mar-19	14:45	74.6	71.5	77.0		74.6	Sunny	1.4
1-Apr-19	12:02	74.5	71.0	77.0		74.5	Overcast	1.0
11-Apr-19	10:55	74.1	71.0	78.0		74.1	Overcast	1.2
17-Apr-19	13:01	73.8	70.5	76.5		73.8	Sunny	1.2
23-Apr-19	9:02	72.1	68.5	74.5		72.1	Sunny	1.1
29-Apr-19	10:52	73.6	68.5	77.0		73.6	Overcast	1.1
10-May-19	16:26	68.2	65.5	70.5		68.2	Sunny	0.2
16-May-19	13:00	74.1	69.5	77.0		74.1	Sunny	1.3
22-May-19	14:22	73.6	53.5	78.0		73.6	Fine	0.7
28-May-19	14:16	74.5	68.5	78.0		74.5	Overcast	1.0
3-Jun-19	10:52	73.8	69.5	78.5		73.8	Overcast	1.2
13-Jun-19	9:08	73.6	69.0	78.0		73.6	Overcast	0.6
19-Jun-19	10:31	72.9	67.0	76.0		72.9	Sunny	0.7
25-Jun-19	10:32	74.1	69.5	78.5		74.1	Fine	0.6
5-Jul-19	9:17	66.2	61.0	68.0		66.2	Sunny	0.0
11-Jul-19	14:48	73.7	69.5	77.0		73.7	Sunny	0.5
17-Jul-19	14:46	74.5	69.0	78.0		74.5	Sunny	0.6
23-Jul-19	14:58	74.1	69.5	77.0		74.1	Sunny	0.6
29-Jul-19	13:02	73.7	70.0	77.0		73.7	Sunny	0.5
9-Aug-19	10:43	68.8	66.0	70.5		68.8	Sunny	0.2
15-Aug-19	13:42	73.6	70.0	76.0		73.6	Sunny	0.8
21-Aug-19	11:23	70.6	67.5	73.0		70.6	Sunny	0.0
27-Aug-19	11:22	73.7	69.5	77.5		73.7	Fine	0.6
2-Sep-19	13:37	69.1	66.0	71.0	69.1	Overcast	0.2	
12-Sep-19	13:08	72.8	69.5	74.0	72.8	Fine	0.0	
18-Sep-19	13:00	72.8	69.0	75.5	72.8	Fine	0.4	
24-Sep-19	13:04	74.1	71.0	76.5	74.1	Sunny	0.2	
4-Oct-19	13:46	73.6	69.5	75.5	73.6	Fine	0.9	
11-Oct-19	9:12	73.6	71.0	77.5	73.6	Sunny	1.1	
17-Oct-19	10:22	73.6	69.3	76.0	73.6	Sunny	0.8	
23-Oct-19	10:24	74.4	70.0	77.5	74.4	Fine	0.8	
29-Oct-19	10:54	73.3	68.5	76.0	73.3	Fine	0.8	
4-Nov-19	10:11	74.1	70.0	78.0	74.1	Fine	0.9	
14-Nov-19	10:21	73.9	71.0	77.5	73.9	Sunny	0.8	
21-Nov-19	10:55	73.3	70.5	76.5	73.3	Sunny	0.6	
27-Nov-19	10:36	73.5	68.9	76.2	73.5	Fine	0.9	

### NMS 27 Jockey Club Ti-I College

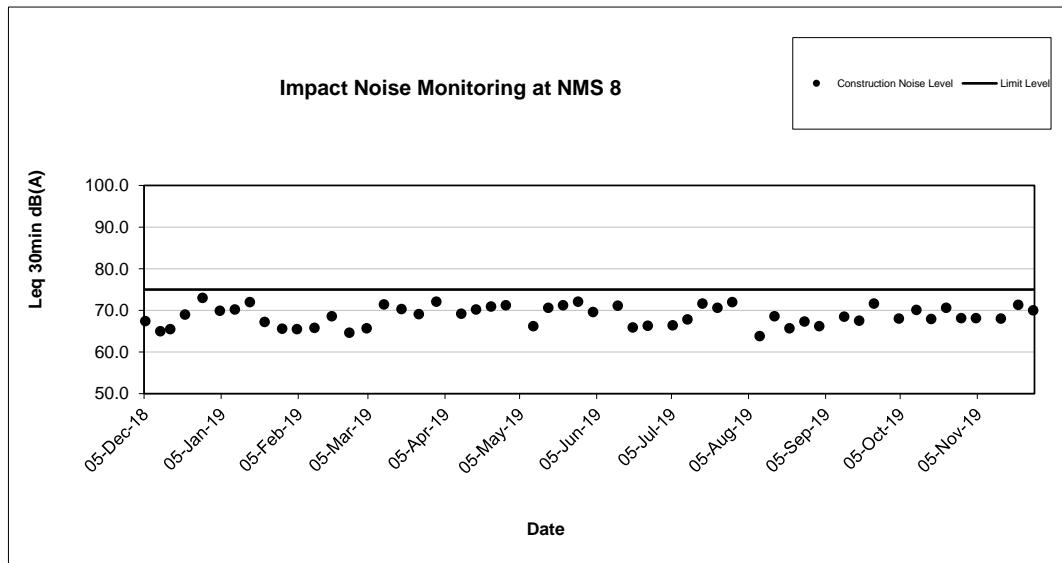
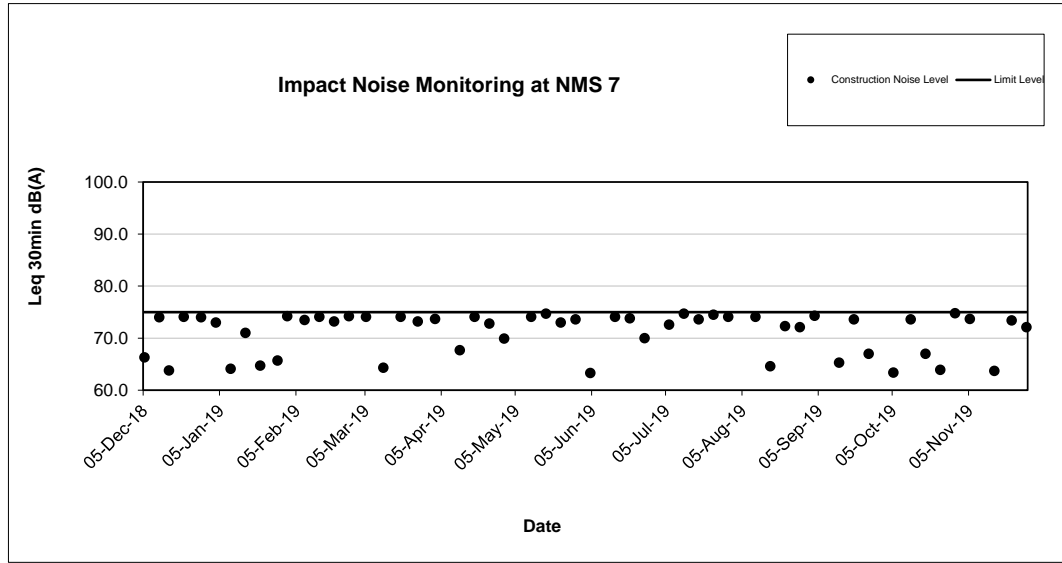
Date	Start Time	Measured Noise Level			Limit Level	Construction Noise Level	Weather	Wind Speed (m/s)	
		L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>					
Unit: dB(A) 30 Mins									
5-Dec-18	12:55	69.9	68.0	73.0	70	69.9	Cloudy	0.8	
11-Dec-18	14:32	69.6	65.0	71.5		69.6	Fine	1.0	
15-Dec-18	12:30	64.6	62.0	66.5		64.6	Fine	0.4	
21-Dec-18	12:35	68.0	66.0	69.5		68.0	Fine	1.2	
28-Dec-18	12:37	65.0	64.0	66.5		65.0	Fine	1.0	
3-Jan-19	12:50	64.6	57.5	67.0	65	64.6	Fine	1.3	
9-Jan-19	14:00	64.8	62.5	66.5		64.8	Fine	0.0	
15-Jan-19	13:45	64.5	60.0	66.5		64.5	Cloudy	0.8	
21-Jan-19	17:37	64.0	60.8	68.3		64.0	Fine	0.0	
28-Jan-19	15:02	69.6	65.5	71.0		69.6	Fine	0.9	
1-Feb-19	16:15	63.6	58.5	64.5	70	63.6	Fine	1.2	
8-Feb-19	15:00	63.5	56.5	65.0		63.5	Fine	1.2	
14-Feb-19	15:05	63.8	58.0	64.5		63.8	Fine	1.4	
20-Feb-19	13:50	63.5	58.0	65.5		63.5	Fine	1.4	
26-Feb-19	13:50	64.2	58.5	65.5		64.2	Sunny	1.2	
5-Mar-19	14:25	63.2	58.5	64.5		63.2	Fine	1.3	
12-Mar-19	11:57	64.5	63.0	67.0		64.5	Fine	1.2	
19-Mar-19	11:40	63.5	59.5	65.5		63.5	Fine	1.3	
26-Mar-19	10:30	64.6	59.0	67.0		64.6	Sunny	0.9	
2-Apr-19	14:30	62.1	58.0	66.5		62.1	Fine	1.1	
12-Apr-19	13:20	69.5	67.0	71.0		69.5	Hazy	0.7	
18-Apr-19	9:27	63.9	61.5	67.5		63.9	Sunny	0.7	
24-Apr-19	10:00	63.3	56.5	65.0		63.3	Sunny	1.2	
30-Apr-19	10:06	68.4	59.0	71.5		68.4	Overcast	0.9	
11-May-19	9:10	62.1	57.5	64.0		62.1	Fine	1.0	
17-May-19	13:40	63.9	57.5	65.0		63.9	Sunny	0.6	
23-May-19	9:30	64.7	56.5	66.0		64.7	Fine	1.2	
29-May-19	9:35	63.0	58.0	64.5		63.0	Overcast	1.0	
4-Jun-19	17:04	63.8	62.0	67.0		65	63.8	Sunny	0.1
14-Jun-19	14:28	62.6	58.0	64.0			62.6	Overcast	0.6
20-Jun-19	14:01	64.1	60.5	66.0	64.1		Sunny	0.6	
26-Jun-19	16:41	66.0	64.5	70.0	66.0		Fine	0.2	
6-Jul-19	14:28	64.1	60.0	65.5	64.1		Fine	0.7	
12-Jul-19	16:18	64.4	60.0	66.0	70	64.4	Sunny	0.9	
18-Jul-19	10:24	64.2	61.0	65.5		64.2	Sunny	0.9	
24-Jul-19	9:04	64.7	61.0	66.0		64.7	Sunny	0.8	
30-Jul-19	16:50	64.3	59.5	66.0		64.3	Sunny	0.5	
10-Aug-19	8:34	64.1	60.0	67.0		64.1	Fine	0.4	
16-Aug-19	16:53	61.9	60.0	64.0		61.9	Sunny	0.2	
22-Aug-19	13:00	63.3	58.6	67.8		63.3	Fine	1.0	
28-Aug-19	9:04	64.3	61.0	66.5		64.3	Fine	0.6	
3-Sep-19	8:30	64.8	61.0	66.0		64.8	Fine	0.4	
13-Sep-19	16:49	61.8	60.0	64.5		61.8	Sunny	0.3	
19-Sep-19	8:45	64.7	61.0	66.0		64.7	Fine	0.4	
25-Sep-19	14:00	60.5	54.5	64.0		60.5	Sunny	0.0	
5-Oct-19	10:36	61.9	60.0	63.5		61.9	Sunny	0.7	
12-Oct-19	15:06	64.1	61.0	66.0		64.1	Sunny	0.8	
18-Oct-19	16:11	64.3	60.0	69.5		64.3	Fine	0.5	
24-Oct-19	13:41	61.6	60.0	65.0		61.6	Sunny	0.2	
30-Oct-19	14:24	64.7	63.0	67.0		64.7	Sunny	1.1	
5-Nov-19	13:39	64.1	61.0	66.0		64.1	Fine	0.7	
15-Nov-19	13:17	64.3	61.5	68.5		65	64.3	Sunny	0.7
22-Nov-19	8:40	64.2	61.5	66.5		70	64.2	Fine	0.7
28-Nov-19	13:31	62.8	60.8	67.3	62.8		Sunny	0.7	

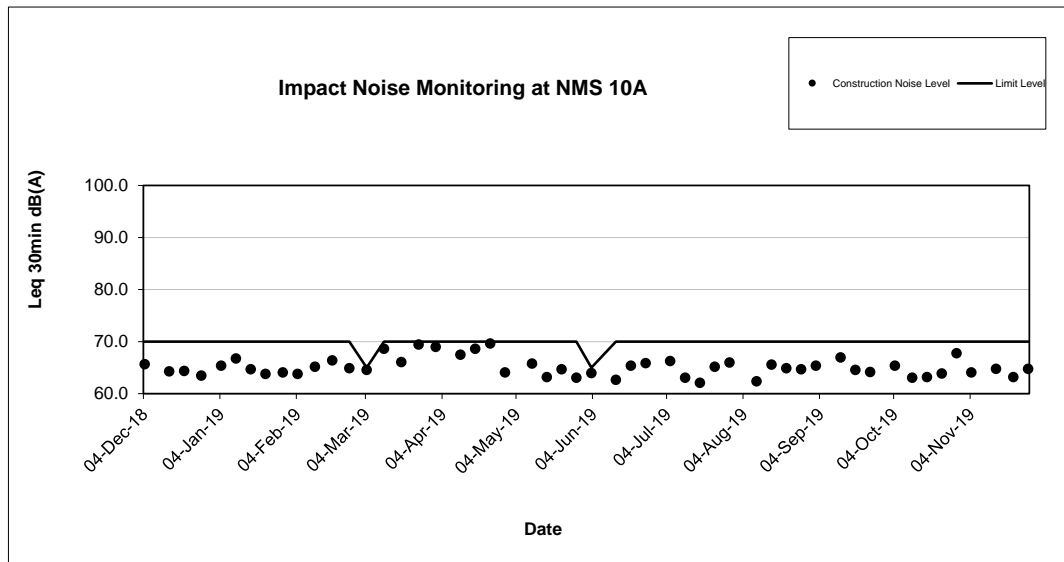
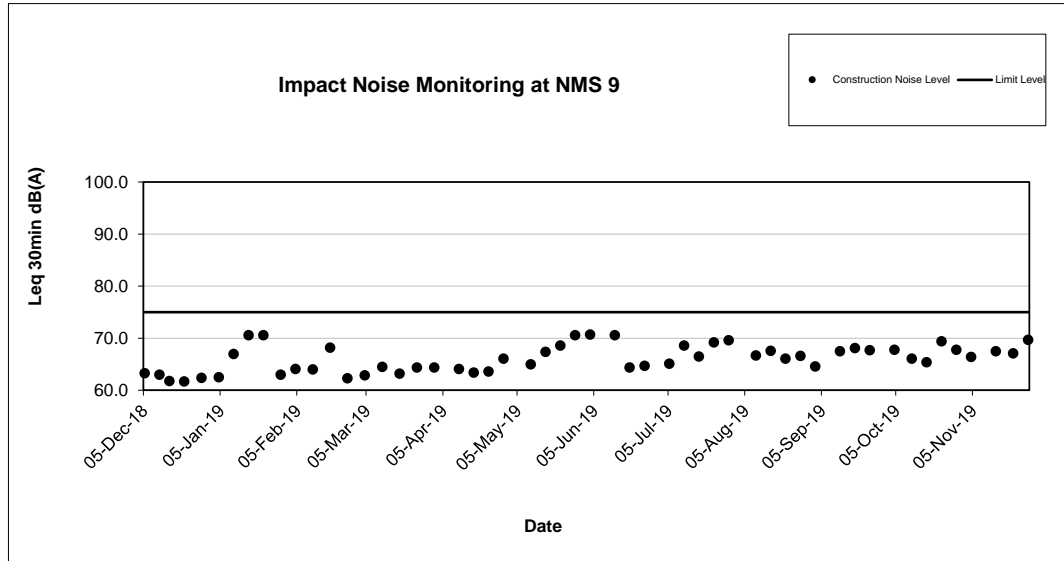




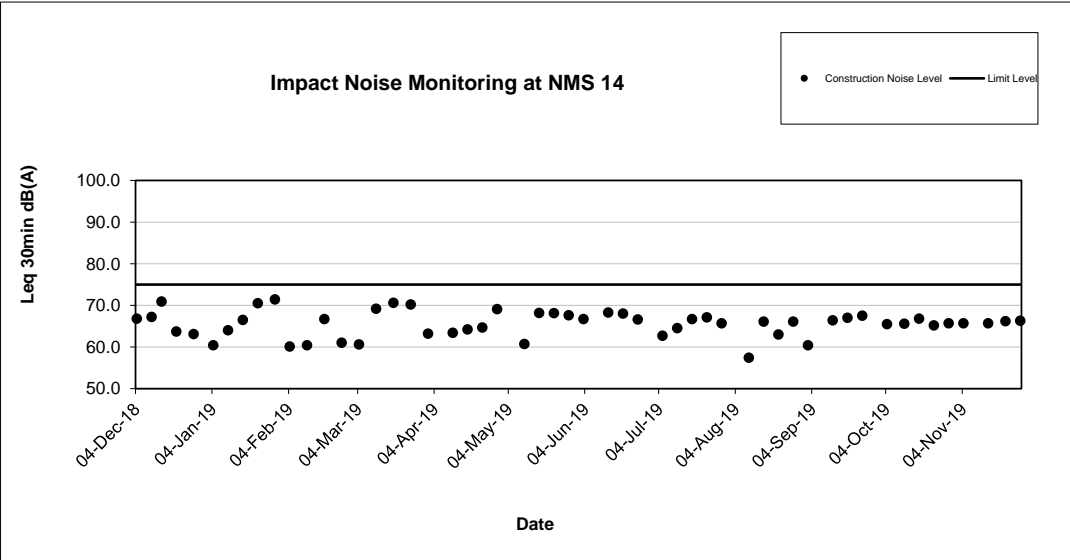
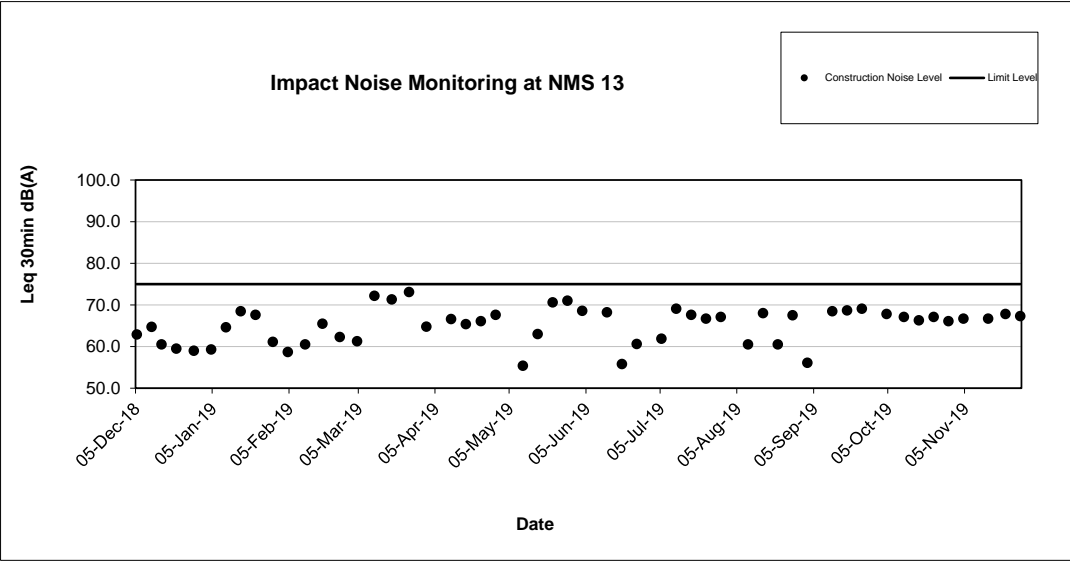


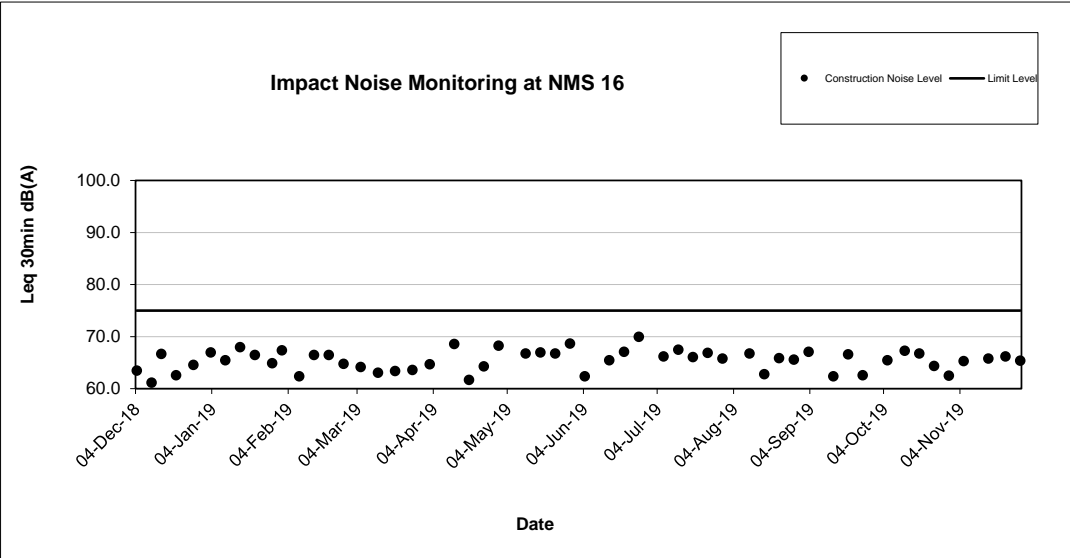
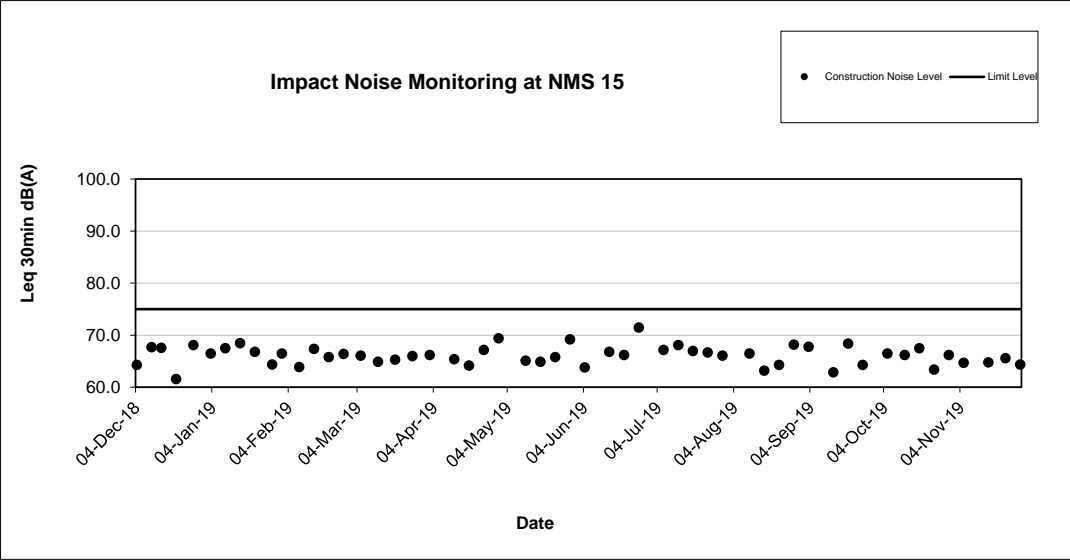




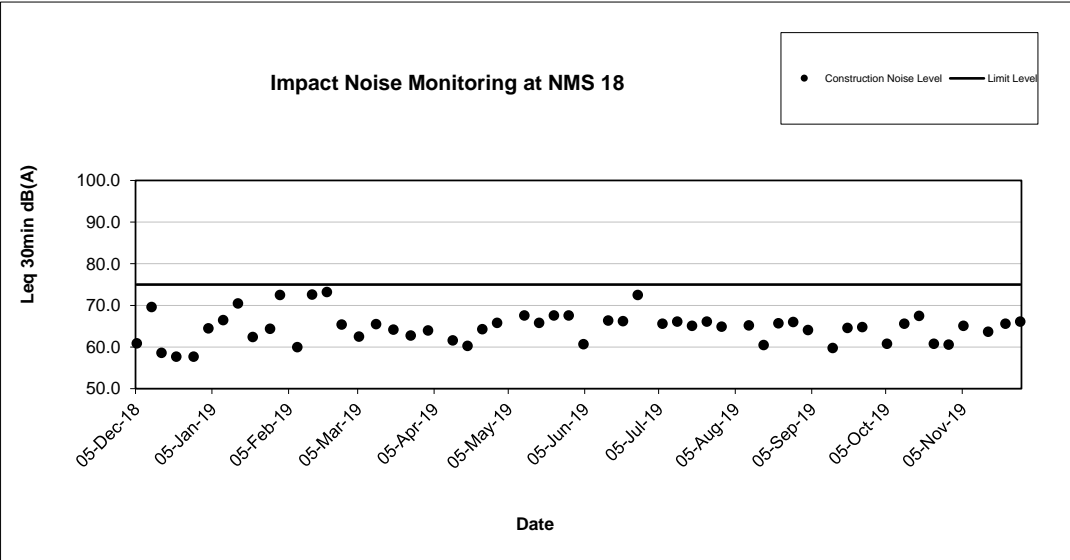
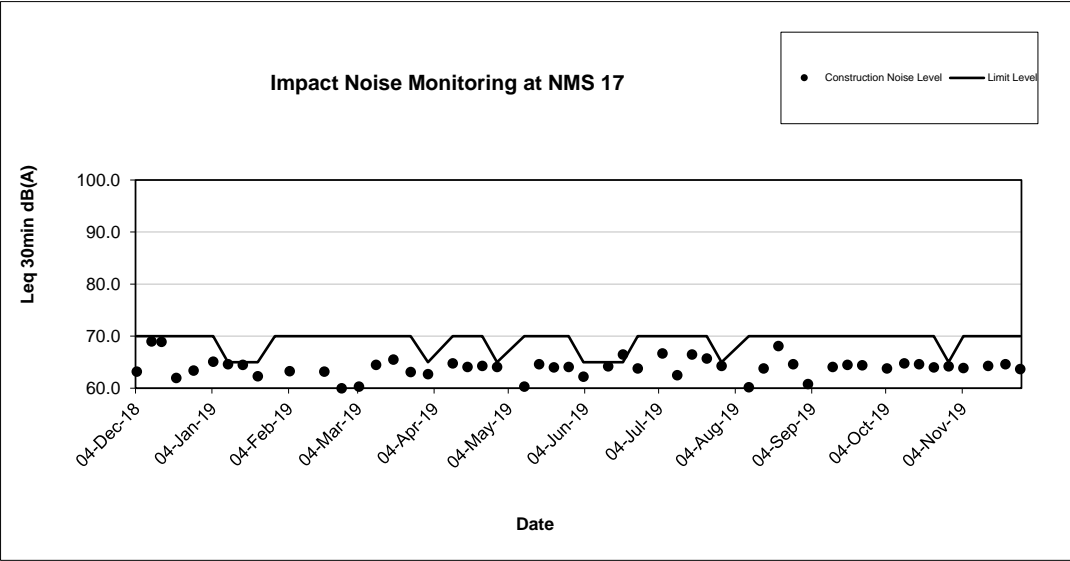


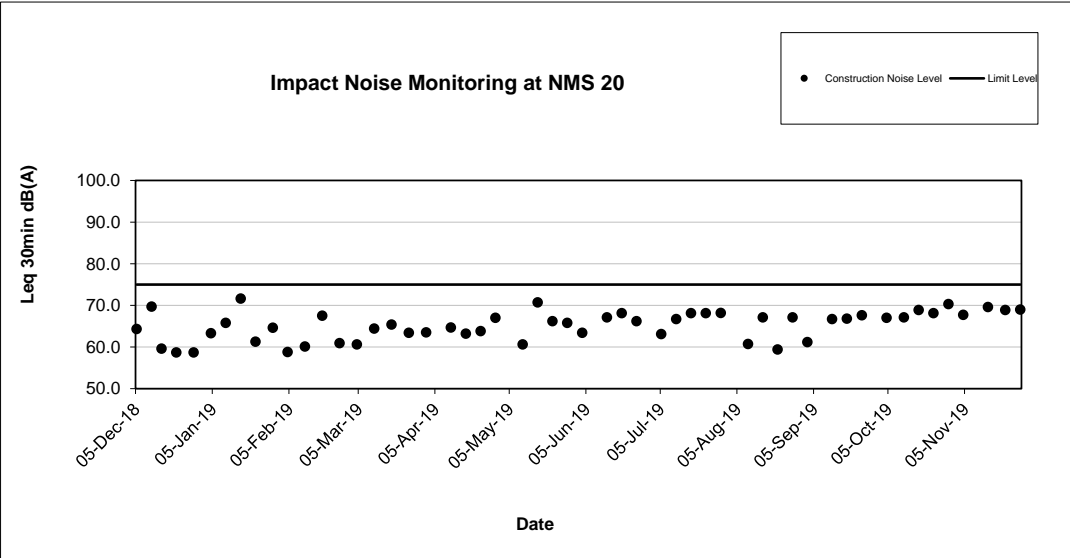
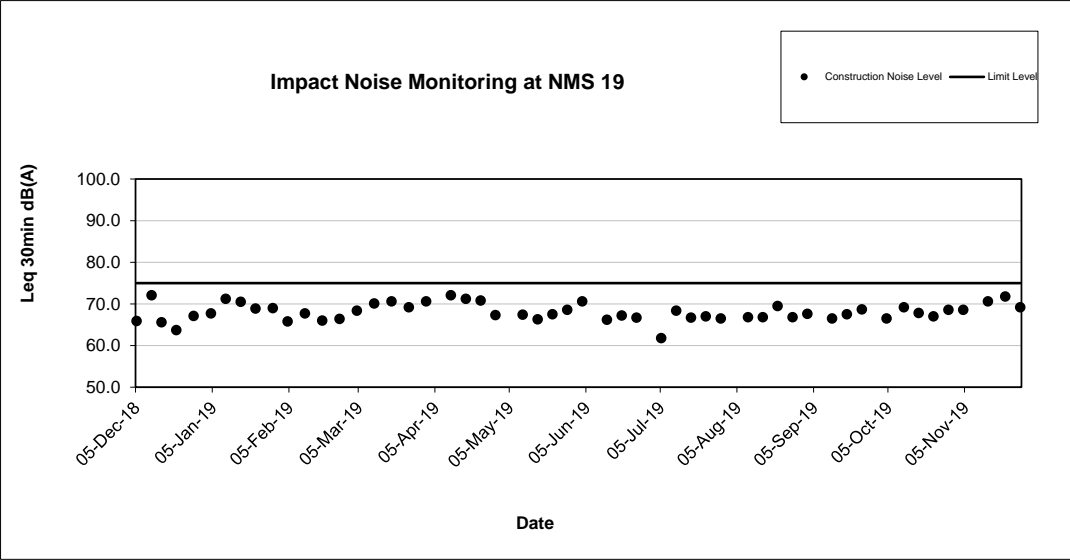


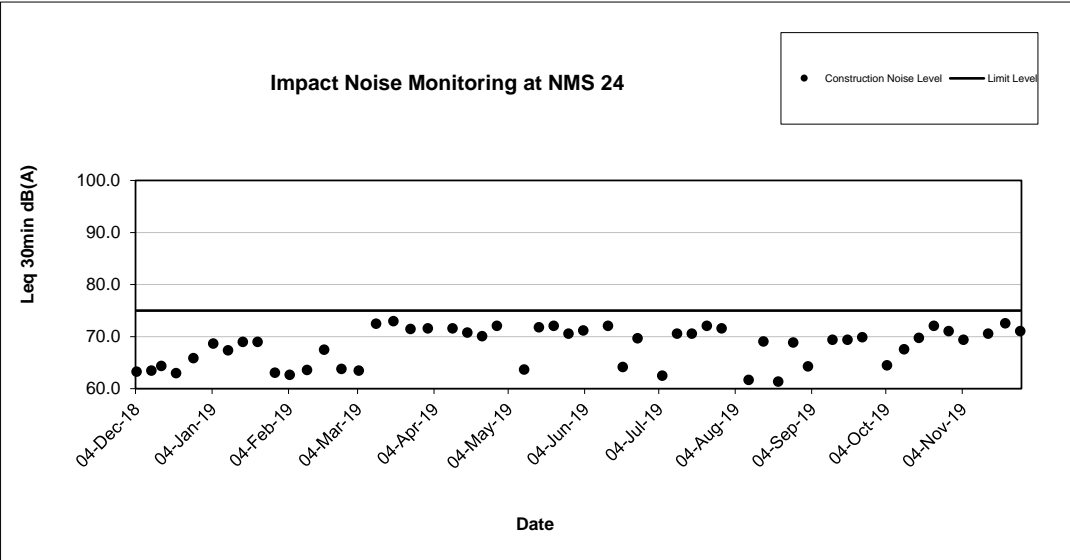
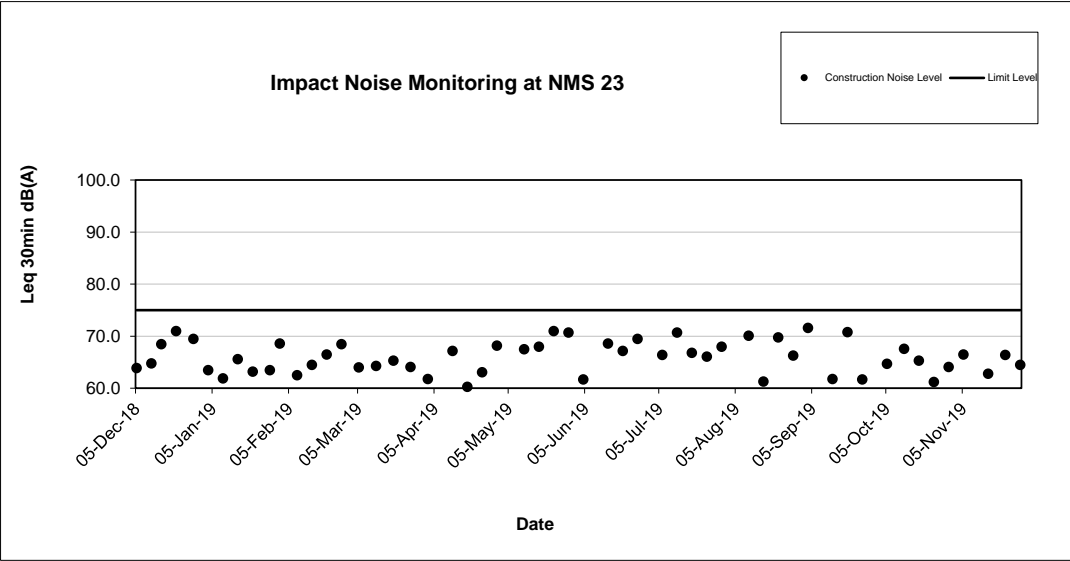


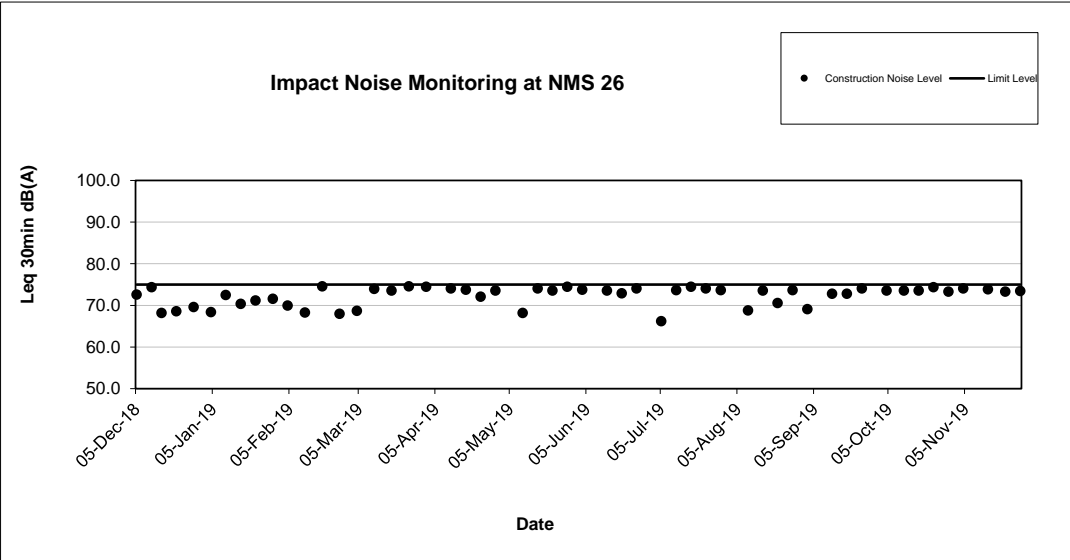
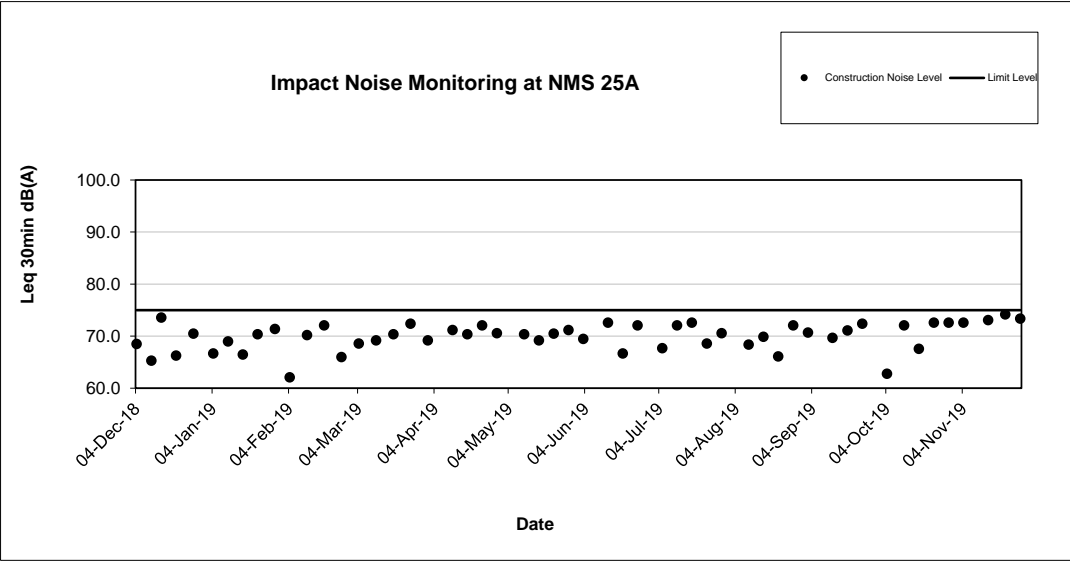




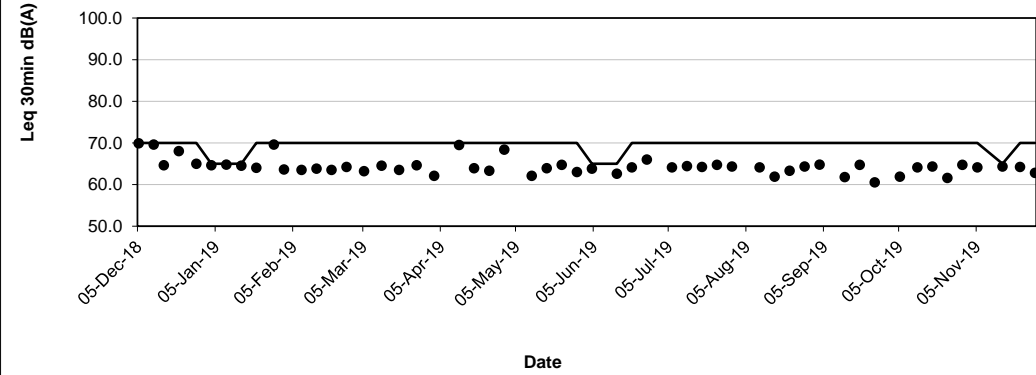
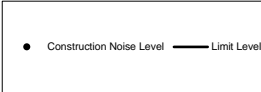








Impact Noise Monitoring at NMS 27





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### **Appendix E**

#### **Waste Flow Table**

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Waste Flow Table for Year 2018											
Months	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of Non-inert C&D Wastes Generated Monthly				
	Total Quantity Generated (T)	Hard Rock and Large Broken Concrete (A)	Reused in the Contract (B)	Reused in other Projects (C)	Disposed as Public Fill (D)	Imported Fill	Metals	Paper/ cardboard packaging	Plastics <sup>2</sup>	Chemical Waste	Others, e.g. general refuse
	(in '000Ton)	(in '000kg)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000Ton)
2018 Jan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Sub-Total</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
2018 Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013
2018 Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
2018 Dec	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001
<b>Total</b>	<b>0.001</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.001</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.018</b>

Note:

- 1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- 2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.
- 3) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m<sup>3</sup>.

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Waste Flow Table for Year 2019											
Months	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of Non-inert C&D Wastes Generated Monthly				
	Total Quantity Generated (T)	Hard Rock and Large Broken Concrete (A)	Reused in the Contract (B)	Reused in other Projects (C)	Disposed as Public Fill (D)	Imported Fill	Metals	Paper/ cardboard packaging	Plastics <sup>2</sup>	Chemical Waste	Others, e.g. general refuse
	(in '000Ton)	(in '000kg)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000Ton)
2019 Jan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021
2019 Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049
2019 Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048
2019 Apr	0.100	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.089
2019 May	0.150	0.000	0.000	0.000	0.150	0.000	0.000	0.000	0.000	0.000	0.175
2019 Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.082
<b>Sub-Total</b>	<b>0.250</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.250</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.464</b>
2019 Jul	0.141	0.000	0.000	0.000	0.141	0.000	0.000	0.000	0.000	0.000	0.069
2019 Aug	0.431	0.000	0.221	0.000	0.210	0.000	0.000	0.000	0.000	0.000	0.154
2019 Sep	0.712	0.000	0.223	0.000	0.489	0.297	0.000	0.000	0.000	0.000	0.046
2019 Oct	0.663	0.000	0.306	0.000	0.357	1.085	0.001	0.027	0.009	0.000	0.027
2019 Nov	1.154	0.000	0.143	0.000	1.011	0.428	0.000	0.019	0.000	0.000	0.095
2019 Dec											
<b>Total</b>	<b>3.351</b>	<b>0.000</b>	<b>0.893</b>	<b>0.000</b>	<b>2.458</b>	<b>1.810</b>	<b>0.001</b>	<b>0.046</b>	<b>0.009</b>	<b>0.000</b>	<b>0.855</b>

Note:

- 1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- 2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.
- 3) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m<sup>3</sup>.
- (4) (T) = (A) + (B) + (C) + (D)

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### **Appendix F**

#### **Cumulative Statistics on Exceedances, Complaints, Notifications of Summons and Successful Prosecutions**

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## Environmental Complaints Log

Reference No.	Date of Complaint Received	Received From	Nature of Complaint	Investigation/Mitigation Action	Outcome	Status
COM-2019-005	2/2/2019	EPD	Regarding to continuous noise nuisance starting from around 1 a.m. near Lek Yuen Estate Kwai Wo House.	According to the photo taken from the complainant, the complaint was related to the project. Although the tree felling works were covered by the valid CNP (GW-RN0783-18), Contractor was reminded to strictly follow and fully comply with the CNP conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. Contractor was recommended to increase the frequency of using the electrical chain saw instead of the diesel chain saw for reducing the noise impact. Environmental Team conducted additional ad-hoc noise monitoring on 19:00 14th February 2019 to 07:00 15th February 2019 for evaluate the effectiveness on the proposed mitigation measures. No project-related noise exceedance case on 14-15 Feb 2019 Contractor's night tree-felling and removal works. The proposed mitigation measures were effective for noise impact.	Project-related	Closed
COM-2019-006	22/2/2019	Project Hotline of NE/2017/05	Regarding to continuous noise generated from the tree felling works during the midnight 12:00am near Lek Yuen Estate Kwai Wo House.	According to the location of complainant from Kwai Wo House, the complaint was related to the project. Although the tree felling works were covered by the valid CNP (GW-RN0783-18), Contractor was reminded to strictly follow and fully comply with the CNP conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are	Project-related	Closed



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Reference No.	Date of Complaint Received	Received From	Nature of Complaint	Investigation/Mitigation Action	Outcome	Status
				operating during restricted hour. An extended barrier at the top acts as a cantilever shape was recommended to modify the existing semi-enclosure installed in the cherry picker Also, three sides with top as a semi-enclosure to be used and those tree felling activities should be inside the semi-enclosure in the ground slope. The main contractor had been recommended to review their works program and methods of tree felling as to minimize the night time tree felling activities.		
COM-2019-0010	28/3/2019	Project Hotline of NE/2017/05	Regarding nuisance noise at 03:35am.	The complaint case should be related to the MTR night time maintenance works. Main Contractor used portable phones and head-set only for communication, and none of loudspeakers were allowed to be used. Main Contractor handled of tree debris into the lorry skip in care when loading. Besides, a layer of soft material (soil/tree debris) was observed leaving inside the skip of the grab lorry to reduce the loading noise. Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0132-19) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour.	Project-not related	Closed

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Reference No.	Date of Complaint Received	Received From	Nature of Complaint	Investigation/Mitigation Action	Outcome	Status
COM-2019-0033	26/7/2019	Police visit on-site	Regarding to noise nuisance	The complaint is related to the project. The Main Contractor comply with CNP No.: GW-RN0443-19 allowable construction site and within the site boundary to carry out night work on tree felling and the clearance of felled tree debris during the restricted hour. Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0443-19) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. Contractor was recommended to increase the frequency of using the electrical chain saw instead of the diesel chain saw for reducing the noise impact. Contractor was reminded to reschedule of tree felling arrangement that most of the fell branches and trunks were temporary laid on slope and arranged to cut smaller on Day Time to minimize the noise nuisance to the nearby NSRs.	Project-related	Closed
COM-2019-0045	30/8/2019	1823	Regarding to noise nuisance near Hilton Plaza and Scenery Court at 11:10 pm.	The complaint is related to the project. Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0443-19) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. Contractor should	Project-related	Closed

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Reference No.	Date of Complaint Received	Received From	Nature of Complaint	Investigation/Mitigation Action	Outcome	Status
				strictly follow the use of acoustic enclosure as in condition 3.d.5. of the CNP during the operation of breaker, hand-held, mass <=10kg (CNP023) shall only be operated inside the acoustic enclosure composed of four side-panels and one top-panel, so that no part of such equipment is visible from any nearby noise sensitive receiver. The panels shall be made of minimum 10mm thick plywood or 1mm thick steel outer skin and minimum 50mm thick sound absorbing lining, or equivalent construction. Contractor was reminded to use portable phones and head-set only for communication, and none of loudspeakers is allowed for night work activities.		
COM-2019-0056	9/10/2019	Project Hotline of NE/2017/05and EPD	Noise	The complaint of the construction noise especially the breaker noise is project related. Due to the concern of road safety, the Contractor conducted the emergency road repair works under an Emergency Excavation Permit (EXP) of Plan ID: EO13123 issued by Highways Department (HyD). The main contractor's PR / hotline staff was reminded to enhance communication with sufficient information provided for replying any enquiry / complaint in the future. The main contractor	Project-related	Closed

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Reference No.	Date of Complaint Received	Received From	Nature of Complaint	Investigation/Mitigation Action	Outcome	Status
				was also reminded that noise mitigation measures should be provided as far as practicable subject to the emergency situation. For construction works covered by the CNP issued by EPD, the main contractor should fully complied with the conditions as stipulated and provided all noise mitigation measures as required under the conditions of the CNP. For works subject to the emergency situation, noise mitigation measures such as noise barrier, enclosure etc. should be provided as far as practicable to minimise the noise nuisance to the NSRs.		
COM-2019-0057	9/10/2019	EPD	Noise	The complaint of the generator noise nuisance is related to the project. The concerned portable generator is supplying electric power for the Variable Message Sign (VMS) showing the speed limit in 50 km/hr. It is switched on and off manually by manpower, and would only be operated between daytime 07:00-19:00. No construction noise permit (CNP) should be required as the portable generator is not operating in restricted hours. The main contractor was reminded to strictly follow the use of their proposed semi-enclosure as the mitigation measures for the portable	Project-related	Closed

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Reference No.	Date of Complaint Received	Received From	Nature of Complaint	Investigation/Mitigation Action	Outcome	Status
				generator and the generator operates in daytime 07:00-19:00 only.		
COM-2019-0066	6/11/2019	EPD	Noise	The complaint of the emergency road repair work is related to the project. The works on on 5 <sup>th</sup> November 2019 between 22:00 and 06:00 the next day at southbound slow lane of Tai Po Road outside Wai Wah Centre, including breaking operation. The main contractor should inform the EPD in advance of any emergency opening works of the Project in future to facilitate the effective handling of noise complaint that may arise.	Project-related	Closed



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## Cumulative Statistics on Complaints

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints in the Reporting Period												Cumulative Project-to-Date
		Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	
Air	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Noise	0	0	0	2	1	0	0	0	1	1	0	2	1	8
Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	2	1	0	0	0	1	1	0	2	1	8

## Cumulative Statistics on Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Reporting Period												Cumulative Project-to-Date
		Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	
Air	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Noise	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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### **Appendix G**

#### **Environmental Mitigation Implementation Schedule (EMIS)**

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
<b>Noise Measures</b>				
<b>3.10.2, 3.10.3, 3.10.14, 3.10.15 and Table 3.10</b>	Within the boundaries of all construction sites.	• Scheduling the construction activities carefully according to the actual site work situation, avoid of concurrent activities and construction works fronting the affected schools, to minimize the total noise generated (max as 102dB (A)).	Contractor	Implemented
		• PME is recommended to operate in sub-grouping, and different sub-groups shall not be operated concurrently within any half hour period	Contractor	Implemented
		• The construction activities should be carried out in the daytime hours (0700-1900). Construction Noise Permit (CNP) for construction activities is required during evening or night time hours.	Contractor	Implemented
		• Construction work programme should be considered before actual construction work is undertaken, and noise mitigation measures should be implemented to minimize the potential construction noise impact. Selection and optimization of construction programmes, avoidance and reduction of parallel operation of noisy PME during noise sensitive periods.	Contractor	Implemented
		• Use of well-maintained and regularly-serviced plant during the works.	Contractor	Implemented
		• Plant operating on intermittent basis should be turned off or throttled down when not in active use.	Contractor	Implemented
		• Plant that is known to emit noise strongly in one direction should be orientated to face away from the NSRs.	Contractor	Implemented
		• Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the works.	Contractor	Partially Implemented
		• Fixed plants should be sited away from NSRs where possible.	Contractor	Not Applicable
		• Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.	Contractor	Not Applicable
<b>3.10.4, 3.10.5 and Table 3.3</b>		• The use of particular plant with equipment quieter than those specified in the GW-TM are recommended to reduce the noise levels generated by the plant.	Contractor	Not Applicable
		• Other type of quiet PME are allowed to use for their needs based on the actual construction conditions and programmes	Contractor	Not Applicable
<b>3.10.6 to 3.10.9</b>		• Temporary noise barriers provide noise attenuation by screening NSRs from stationary and mobile plants from direct line-of-sight in shadow zone.	Contractor	Not Applicable
		• The use of 3m high moveable barriers with skid footing and a small cantilevered upper portion should be adopted. The barrier material shall have a surface mass of not less than 14kg/m <sup>2</sup> on skid footing with 25mm thick internal sound absorptive lining to achieve the maximum screening effect.	Contractor	Not Applicable

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3.10.10		• These temporary noise barriers should be located immediately adjacent to working area.	Contractor	Not Applicable
		• The temporary noise barriers should be located along the working area to make sure the construction plant could be screened during all kinds of construction activities as far as practicable.	Contractor	Not Applicable
		• Noise jacket/muffler shall be used to cover the noisy part of the engine or at the engine exhaust of particular mobile plants respectively when temporary noise barriers are not practicable or noise reduction achieved is insufficient.	Contractor	Not Applicable
		• For the stationary plant bored pile oscillator, temporary noise barriers of sufficient height with skid footing and small cantilevered upper portion should be provided.	Contractor	Not Applicable
		• Barrier material of surface density of at least 14 kg/m <sup>2</sup> is recommended in order to achieve the necessary screening effect.	Contractor	Not Applicable
		• Full noise enclosures should cover the PME or fixed plants such as air compressor.	Contractor	Not Applicable
3.10.3		• Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the works;	Contractor	Not Applicable
		• Where possible fixed plants should be sited away from NSRs; and	Contractor	Not Applicable
		• Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.	Contractor	Not Applicable
<u>Air Quality Measures</u>				
4.12.1 and 4.12.2	Within the boundaries of all construction sites.	• The Contractor shall notify any specific construction works as stated in the Air Pollution Control (Construction Dust) Regulation to the Authority before the commencement of such work. Dust mitigation measures stipulated in the Air Pollution Control (Construction Dust) Regulation should be implemented to control dust emissions from all construction work sites.	Contractor	Partially Implemented
		• The Contractor shall undertake at all times to prevent dust nuisance as a result of his activities. Dust suppression measures such as the water spraying are necessary and should be installed to ensure that the air quality at the boundary of the site and at any sensitive receivers complies with the Hong Kong Air Quality Objectives.	Contractor	Partially Implemented
		• The Contractor shall apply for a license or permit under the requirements of the relevant legislation (e.g. Air Pollution Control Ordinance and its subsidiary regulations) wherever applicable.	Contractor	Implemented
		• Watering of unpaved areas, access roads, construction areas and dusty stockpiles shall be undertaken at least eight times daily during dry and windy weather. Watering of the haul road shall be undertaken four to eight times daily during dry or windy weather. Water sprays may be either fixed or mobile to follow individual areas to be wetted as and when required. Application of	Contractor	Implemented

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		suitable wetting agents, such as dust suppression chemicals, shall be used in addition to water, especially during the dry season (October to December). It is also suggested that watering with complete coverage of active construction area eight times a day.		
		• Effective water sprays shall be used during the delivery and handling of all raw sand and aggregate, and other similar materials, wet dust is likely to be created and to dampen all stored materials during dry and windy weather.	Contractor	Implemented
		• Stockpiles of sand, aggregate or any other dusty materials greater than 20m <sup>3</sup> shall be enclosed on three sides, with walls extending above the pile and 1 meter beyond the front of the pile.	Contractor	Implemented
		• Suitable chemical wetting agent such as dust suppression chemical shall be used on completed cuts and fills to reduce wind erosion.	Contractor	Not Observed
		• Areas within the construction site where there is a regular movement of vehicles shall have a paved surface and be kept clear of loose surface material.	Contractor	Partially Implemented
		• The Contractor shall restrict all motorized vehicles within the construction site, excluding those on public roads, to maximum speed of 20 km per hour and confine haulage and delivery vehicles to designated roadways inside the Site.	Contractor	Implemented
		• Construction working areas should be restricted to a minimum practicable size.	Contractor	Implemented
		• The Contractor shall ensure that no earth, rock or debris is deposited on public or private rights of way as result of his activities, including any deposits arising from the movement of plant or vehicles.	Contractor	Implemented
		• The Contractor shall provide a wheel washing facility at the exits from work areas to the satisfaction of the Engineer and to the requirements of the Commissioner of Police. Water in wheel washing facilities and sediment shall be changed and removed respectively at least once a month.	Contractor	Not Applicable
		• The Contractor shall submit details of the wheel washing facilities, which shall be usable prior to any earthworks excavation activity on the construction site. The Contractor shall also provide a hard-surfaced road between any washing facility and the public road.	Contractor	Not Applicable
		• In the event of any spoil or debris from construction works being deposited on adjacent land, or steams, or any slit being washed down to any area, then all such spoil, debris or material and silt shall be immediately removed and the affected land and areas restored to their natural state by the Contractor to the satisfaction of the Engineer.	Contractor	Not Applicable
4.12.1				



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4.12.1, 4.13.1 and Table 8.2		• If spoil cannot be immediately transported out of the Site, stockpiles should be stored in sheltered areas.	Contractor	Implemented
		• Plant and vehicles shall be inspected annually to ensure that they are operating efficiently and that exhaust emissions are not causing a nuisance. All site vehicle exhausts should be directed vertically upwards or directed away from ground.	Contractor	Implemented
		• Construction dust monitoring shall be carried out at representative monitoring locations during the construction period.	Contractor	Implemented
		• Path for complaints and handling procedures should be set up and implement.	Contractor	Implemented
NA		• Dark smoke emission shall be control in accordance with the Air Pollution Control (Smoke) Regulation and ETWB TCW 19/2005.	Contractor	Implemented
		• Plant and equipment should be well maintained to prevent dark smoke emission.	Contractor	Partially Implemented
		• Only approved or exempted Non-road Mobile Machineries (NRMMS) including regulated machines and non-road vehicles with proper labels are allowed to be used in specified activities on-site.	Contractor	Implemented
<u>Water Quality Measures</u>				
5.7	Within the boundaries of all construction sites.	• Silt-laden surface run-off should be prevented from directly entering the sensitive receivers during the construction works. The mitigation measures described below for the construction phase are in accordance with ProPECC PN 1/94:	Contractor	Partially Implemented
		• Construction works should be programmed so as to minimise excavation during the wet season (April to September). If this is not possible then measures should be taken to minimise the areas exposed by covering temporary exposed slopes with tarpaulins or similar material, the protection of temporary road surfaces with gravel or crushed stone and the early reinstatement of final surfaces with hydro seed grass/shrub mixture. This latter measure would have the added benefit of reducing the windblown dust during the dry season. Where temporary covering of slopes is required this should be carried out before the onset of the rainfall or storm.	Contractor	Implemented
		• Existing and newly constructed open manholes should be covered and sealed to prevent run off and water borne debris entering the drainage network without having previously passed through a sediment trap.	Contractor	Implemented

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		<ul style="list-style-type: none"> <li>Stock piles of construction materials, sand and gravel or excavated material should be covered with tarpaulins prior to rainstorms. The washing of material from the stockpiles directly into the storm drains should be prevented by passing the run off through a sediment trap.</li> </ul>	Contractor	Partially Implemented
		<ul style="list-style-type: none"> <li>The surface water from the site should be discharged into storm water drain after passing through sand and silt traps designed to accommodate the maximum discharge from the site. Within the site channels, bunds or sandbags should be used to direct run off into the traps. Storm water from outfit the site should be prevented from washing over the site by the construction of interceptor channels at the site boundary. Both perimeter channels and the sedimentation traps should be constructed prior to the commencement of site formation and earthworks.</li> </ul>	Contractor	Partially Implemented
		<ul style="list-style-type: none"> <li>The efficiency of the interceptor channels, traps and sedimentation chambers should be maintained by regular cleaning of accumulated silt and sand. Particular attention should be paid to maintenance following heavy rainfall and immediately after the issue of heavy rainfall warning by the Hong Kong Observatory.</li> </ul>	Contractor	Partially Implemented
		<ul style="list-style-type: none"> <li>The ingress of rainwater into trenches should be minimised by the construction of bunds to prevent water flowing into the trench and covering by tarpaulins to prevent direct entry. The lengths of excavated trenches should be minimised and backfilled at the earliest opportunity. Water pumped from the trenches should be discharged to the storm water drains following passage through a suitable silt trap.</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>Any ground water seeping into any trenches or foundation works should be passed through a silt trap prior to discharge to the storm water drains.</li> </ul>	Contractor	Partially Implemented
		<ul style="list-style-type: none"> <li>The water used for the washing down of mixing drums used for onsite batching of concrete and delivery lorries for off-site batched concrete should be recycled whenever possible. Wastewater generated from the washing which is discharged should be passed through a silt trap before discharge to the storm water system.</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>The wastewater from the washing of the wheels and subframe of vehicles returning from the site onto public roads will contain suspended solids and debris. A washing bay should be provided at the exit from the site and should, where practicable, incorporate water recirculation. Water from the washing bay which is discharged to the storm water system should first be passed through a silt trap which also includes an oil/grease removal weir.</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>Plant maintenance areas should be paved to prevent waste oils soaking into the ground. Where possible the area should be undercover to minimise the formation of runoff and any runoff</li> </ul>	Contractor	Not Applicable

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		from the paved area passed through an oil trap before being discharged to the storm drains. Fuel storage tanks should be surrounded by bunds with a capacity of at least 150% of the storage capacity. The bunded areas should be able to be drained of rain water through the petrol interceptor and accumulated rain removed at regular intervals.		
		<ul style="list-style-type: none"> <li>Waste oils from the site should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance and absorbent cloths and granules should be available for the cleanup of spillages.</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>Sewage from toilets and kitchens should be discharged directly into a foul sewer. If it is not possible to locate the site offices within easy access of a foul sewer a septic tank and soakaway should be constructed before the offices are occupied. Chemical toilets should be emptied on a daily basis and the contents taken to a foul sewer or the Sha Tin Sewage Treatment Works for disposal. Wastewater collected from canteen kitchens should be discharged to the foul sewers via grease traps which provide a minimum of 20 minutes retention during peak flow. All discharges into foul sewers and storm sewers should have to be complied with TM standards under WPCO.</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>Run off from roofed surfaces of site facilities should be collected and diverted to a storm water drain. Passage through a silt trap is only required if the water is diverted via open channels which might accumulate solids during non-rainy periods or which intercept surface run off from unpaved areas.</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>Discharges from the site shall be required to meet the terms and conditions of a valid WPCO Water Pollution Control Ordinance (WPCO).</li> </ul>	Contractor	Implemented
Section 12.6 of the Approved EIA Report		<ul style="list-style-type: none"> <li>Regular site inspection of the construction works shall be carried out to determine compliance with the recommended mitigation measures. Inspection should be included:</li> </ul>		
		(i) The functioning of onsite surface water collection channels and sediment traps.	Contractor	Partially Implemented
		(ii) The functioning of interception channels at the boundary of the works areas	Contractor	Partially Implemented
		(iii) The covering of stockpiles of fill and construction materials and the routing of any run off through the sediment traps.	Contractor	Partially Implemented
		(iv) The pumping procedures for emptying trenches and other excavations and the use of silt traps prior to the discharge of the water to the storm water system.	Contractor	Partially Implemented
		(v) The use of washwater for hosing down concrete mixing and delivery vehicles and other vehicles leaving the site and the routine of excess water from the facility through sediment traps.	Contractor	Not Applicable

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		(vi) The operation of the plant maintenance areas to control small spillages and the correct management of the fuel storage bunded area.	Contractor	Not Applicable
		(vii) The connection of the site office wastewater discharge to an existing foul sewer if appropriate or the operation of the kitchen wastewater grease trap and the regular emptying of the chemical toilets	Contractor	Not Applicable
		(viii) The operation of the roof rain water collection and drainage system.	Contractor	Not Applicable
<b><u>Landscape and Visual Mitigation Measures</u></b>				
<b>Construction Phase</b>				
Table 6.5	During construction within the Project Boundary.	• Existing trees shall be preserved as much as possible. Detailed tree preservation and transplanting proposals shall be submitted to relevant government departments for approval in accordance with DEVB TC (W) No. 7/2015.	Contractor	Implemented
		• Topsoil will be conserved as far as possible during the road improvement works and utilized during the replanting operations. The stock piling height of the topsoil will not be more than 2m.	Contractor	Implemented
		• Old and valuable trees (OVTs) identified in the Project Boundary shall be protected in accordance with ETWB TCW no. 29/2004.	Contractor	Implemented
		• Night-time lighting glare shall be properly managed and control during construction so as to minimize any adverse visual impact on adjacent VSRs.	Contractor	Partially Implemented
		• Decorative screen hoarding with design compatible with the surrounding landscape setting shall be erected along the southern boundary of Tai Po Road to mitigate any potential adverse impact on adjacent Pedestrian and Cyclists on Footpath/Bicycle Track.	Contractor	Not Applicable
<b>Operation Phase</b>				
Table 6.5	During construction within the Project Boundary.	• Compensatory planting shall be provided within and outside the project boundary where possible. Detailed compensatory planting proposal will be prepared in accordance with DEVB TC (W) No. 7/2015.	Contractor	Not Applicable
		• Planting shall be undertaken at the earliest practical time in the construction period. The planting proposal shall aim to strengthen the existing tree species and supplement the existing tree planting to provide an effective screen to ameliorate any potential landscape and visual impacts. The proposed species to be utilized for road improvement works shall be agreed with LCSD and future maintenance authorities. All the proposed species for compensatory planting shall be suitable for roadside streetscape planting.	Contractor	Not Applicable

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		<ul style="list-style-type: none"> <li>Provision of visually pleasing noise barriers and enclosures design shall be proposed. The design of these structures aims to minimize any potential visual impact and visually integrate the proposed structures into the adjacent landscape context. This should be achieved through the use of form, color, tones, materials and planting materials.</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>Aesthetically pleasing hard landscape treatment of the carriageway and roadside furniture shall be proposed, including development of chromatic themes in the architectural treatment of engineering structures, and the consideration of landscape lighting and special landscape features.</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>Shrubs and climbers planting are proposed on the facade of Noise Enclosures and Barriers to mitigate any adverse impact on adjacent VSRs in area where space for tree planting is not feasible.</li> </ul>	Contractor	Not Applicable
<b><u>Waste Management Measures</u></b>				
7.6.2 to 7.6.4	Within the boundaries of all construction sites.	<ul style="list-style-type: none"> <li>In accordance with ETWB TC (W) No. 19/2005-Environmental Management on Construction Sites", the Contractor shall prepare and implement a Waste Management Plan (WMP) as part of the Environmental Management Plan (EMP). The EMP shall describe the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from the construction activities. Such a management plan should incorporate site specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval.</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>The Contractor should implement the waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor.</li> </ul>	Contractor	Implemented
7.6.5 to 7.6.6		<ul style="list-style-type: none"> <li>Recommendations of good site practices and waste reduction measures should be stated in order to achieve avoidance and minimization of waste generation in the hierarchy.</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>Environmental Management Plan (EMP) and trip-ticket system shall be implemented for monitoring management of waste.</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>Specific measures targeting the mitigation of impacts in works areas and the transportation of spoil off-site should be provided to minimize the potential impacts to the surrounding environment.</li> </ul>	Contractor	Implemented
7.6.7	Within the boundaries of	<ul style="list-style-type: none"> <li>To facilitate adoption of the best-practice philosophy, training shall be provided to all personnel working on site. The training shall promote the concept of general site cleanliness</li> </ul>	Contractor	Implemented

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	all construction sites as well as transportation routes to designed areas for off-site disposal of materials/Prior to and during construction activities.	and clearly explain the appropriate waste management procedures defined in the EMP. Overall, the training should encourage all workers to reduce, reuse and recycle wastes.		
7.6.8 to 7.6.9		<ul style="list-style-type: none"> <li>The contractor's environmental performance shall be monitored and controlled through the weekly environmental walks. The items after the environmental walks shall include:</li> </ul>		
		<ul style="list-style-type: none"> <li>A review of the EMP in particular the suitability of the environmental measures on nuisance abatement and waste management adopted by the contractor;</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>The environmental performance of the contractor and his sub-contractors;</li> </ul>	Contractor	Partially Implemented
		<ul style="list-style-type: none"> <li>The effectiveness of the environmental measures on nuisance abatement and waste management implemented on the site, and any complaints received; and</li> </ul>	Contractor	Partially Implemented
		<ul style="list-style-type: none"> <li>The promptness of rectification or improvement actions of the Contractor on the defects and deficiencies identified during inspections of the site.</li> </ul>	Contractor	Partially Implemented
		<ul style="list-style-type: none"> <li>Waste shall only be disposed of at licensed sites and the WMP should include procedures to ensure that illegal disposal of wastes does not occur. Only waste haulers authorized to collect the specific category of waste concerned should be employed and a trip ticket system shall be implemented for offsite disposal of inert C&amp;D materials and non-inert C&amp;D materials at public fill reception facilities and landfills, respectively. Appropriate measures should be employed to minimize windblown litter and dust during transportation by either covering trucks or transporting wastes in enclosed containers.</li> </ul>	Contractor	Implemented
7.6.10		<ul style="list-style-type: none"> <li>Work site(s) shall be arranged and managed to facilitate the proper management of wastes and materials. The WMP shall include plans indicating specific areas designated for the storage of particular types of waste, reusable and recyclable materials as well as areas and management proposals for any stockpiling areas. Waste storage areas should be well maintained and cleaned regularly. Specific provisions for different types of material are outlined below. In general, these areas should be designed to avoid cross contamination of materials as well as pollution of the surrounding environment.</li> </ul>	Contractor	Partially Implemented
7.6.11 to 7.6.14		<ul style="list-style-type: none"> <li>In order to minimize the impact resulting from collection and transportation of C&amp;D material for off-site disposal, the excavated fill materials should be reused on site as backfill material as far as possible.</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>Careful design, planning and good site management should be maintained in order to minimise over ordering and generation of surplus materials such as concrete, mortars and cement grouts. The design of formwork should maximise the use of standard wooden panels so</li> </ul>	Contractor	Partially Implemented

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		that high reuse levels can be achieved. Alternatives such as steel formwork or plastic facing should be considered to increase the potential for reuse.		
		<ul style="list-style-type: none"> <li>• C&amp;D materials should be segregated on site into different waste and material types. The Contractor should clearly demonstrate in the EMP how he intends to maximise the reuse of C&amp;D material on-site. Where reuse of materials on site is not feasible, the Contractor should explore opportunities for recycling materials off-site, and inert C&amp;D materials shall be reused on site as much as possible.</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>• Paving bricks arising from existing pavement should be recycled on site as much as possible.</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>• Existing marginal roadside barriers comprise pre-cast units should be reused in the following widening works as much as possible,</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>• Existing bridge parapets comprise aluminum post and railings, which have a recyclable value and should be sold for reconditioning or reused for scrap metal as much as possible</li> </ul>	Contractor	Not Applicable
		<ul style="list-style-type: none"> <li>• Any stockpile should be sited away from existing watercourses and suitably covered to prevent wind erosion and impacts on air and water quality.</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>• Chemical waste shall be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows. Containers used for the storage of chemical wastes should:</li> </ul>		
		<ul style="list-style-type: none"> <li>• be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed;</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>• have a capacity of less than 450L unless the specifications have been approved by the EPD; and</li> <li>• display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354C).</li> </ul>	Contractor	Implemented
		7.6.15 to 7.6.17		The storage area for chemical wastes should:
		<ul style="list-style-type: none"> <li>• be clearly labelled and used solely for the storage of chemical waste;</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>• be enclosed on at least 3 sides;</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>• have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest;</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>• have adequate ventilation;</li> </ul>	Contractor	Implemented
		<ul style="list-style-type: none"> <li>• be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste if necessary); and</li> </ul>	Contractor	Partially Implemented
		<ul style="list-style-type: none"> <li>• be arranged so that incompatible materials are adequately separated.</li> </ul>	Contractor	Implemented

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		The Contractor shall register with EPD as a Chemical Waste Producer. Waste oils and other chemical wastes as defined in the Waste Disposal (Chemical Waste) (General) Regulation will require disposal by appropriate means and could require pre-notification to EPD prior to disposal. Appropriate means include disposal:		
		• via a licensed waste collector; and	Contractor	Partially Implemented
		• to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility which also offers a chemical waste collection service and can supply the necessary storage containers; or	Contractor	Implemented
7.6.18 to 7.6.20		• to a reuser of the waste, under approval from EPD.	Contractor	Not Applicable
		• General refuse generated on-site should be stored in enclosed bins or compaction units separate from construction and chemical wastes. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily or every second day basis to minimize odour, pest and litter impacts. The burning of refuse on construction sites is prohibited by law.	Contractor	Partially Implemented
		• Separate labelled bins should be provided if feasible.	Contractor	Partially Implemented
7.7.1		• Office waste can be reduced through recycling of paper if volume is large enough to warrant collection. Participation in a local collection scheme should be considered if one is available.	Contractor	Not Observed
		• All wastes produced during the construction of the Project shall be handled, stored, and disposed of in accordance with good waste management practices and relevant regulations and requirements.	Contractor	Partially Implemented
EP 1.5		• The mitigation measures recommended in the EIA/EIA review report should form a basis of the WMP to be developed by the Contractor in the construction phase of the Project.	Contractor	Implemented
		<u>General Condition</u>		
N.A	During construction within the Project Boundary.	• The Permit Holder shall display conspicuously a copy of this Permit on the Project site(s) at all vehicular site entrance/exits or at a convenient location for public information at all times. The Permit Holder shall ensure that the most updated information about the Permit, including any amended Permit, is displayed at such locations. If the Permit Holder surrenders a part or the whole of the Permit, the notice he sends to the Director shall also be displayed at the same locations as the original Permit. The suspended, varied or cancelled Permit shall be removed from display at the Project site(s).	Contractor	Partially Implemented

Implementation status: Implemented / Partially Implemented / Not Implemented / Not Observed / Not Applicable

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