


**Environmental Protection Department**

Contract No. HY/2012/06

**Widening of Fanling Highway  
- Tai Hang to Wo Hop Shek  
Interchange**

**Quarterly EM&A Report  
for February 2018 to April 2018**

[5/2018]

	Name	Signature
Prepared & Checked:	Sammi Lam	
Reviewed & Approved:	Y W Fung	

Version:	Rev. 0	Date: 25 May 2018
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AECOM Asia Co. Ltd.  
15/F, Grand Central Plaza, Tower 1, 138 Shatin Rural Committee Road, Shatin, NT, Hong Kong  
Tel: (852) 3922 9000 Fax: (852) 2317 7609 www.aecom.com

Hyder-Arup-Black & Veatch Joint Venture  
c/o Arcadis  
20/F, AXA Tower, Landmark East,  
100 How Ming Street,  
Kwun Tong, Hong Kong  
Attn: Mr. James Penny

**Your Reference**

**EM&A for Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2 (between Tai Hang to Wo Hop Shek Interchange)**

**Our Reference**

JFP/EC/ST/p/I/T329380/22  
.05/L-0216

**Environmental Permit No. EP-324/2008/E**

**Quarterly EM&A Summary Report for February 2018 to April 2018 for the portion of Stage 2 works under Contract No. HY/2012/06**

20/F AIA Kowloon Tower  
Landmark East  
100 How Ming Street  
Kwun Tong  
Kowloon  
Hong Kong

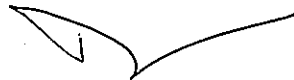
25 May 2018

By Fax (2805 5028) & Hand

T +852 2828 5757  
F +852 2827 1823  
mottmac.hk

We refer to the Quarterly EM&A Summary Report for February 2018 to April 2018 for the captioned Project received on 16 May 2018 submitted by ET via email. We confirm we have no comment.

Yours faithfully  
for MOTT MACDONALD HONG KONG LIMITED



Steven Tang  
Independent Environmental Checker

c.c.  
HyD  
AECOM

Mr. Ricky Yeung  
Mr. Y W Fung

By Fax (2714 5198)  
By Fax (3922 9797)

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## EXECUTIVE SUMMARY

The proposed widening of Tolo Highway and Fanling Highway between Island House Interchange and Fanling (the Project) is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO). An Environmental Impact Assessment (EIA) Report (the approved EIA Report) together with an Environmental Monitoring and Audit (EM&A) Manual (the approved EM&A Manual) were completed and approved under the EIAO on 14 July 2000 (Register Number: EIA-043/2000).

The objective of the Project “Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling” is to widen Tolo Highway and Fanling Highway to dual 4-lane carriageway in order to alleviate the current traffic congestion problems and to cope with the increasing transport demands to and from the urban areas and also cross boundary traffic.

The construction works for this Project will be delivered in 2 stages i.e. Stage 1 (between Island House Interchange and Tai Hang) and Stage 2 (between Tai Hang and Wo Hop Shek Interchange). Stage 2 would be implemented under three works contracts. Contract No. HY2012/06 “Widening of Fanling Highway – Tai Hang to Wo Hop Shek Interchange” and the entrusted portion to CEDD under Contract No. CV/2012/09 “Liantang/Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works – Contract 3”. In addition, Contract No. “Provision of Bus-Bus Interchange on Fanling Highway Kowloon Bound” was carried out within the site boundary of Contract No. 02/HY/2015. This report focuses on Contract No. HY/2012/06 “Widening of Fanling Highway – Tai Hang to Wo Hop Shek Interchange” in Stage 2 of the Project and “Provision of Bus-Bus Interchange on Fanling Highway Kowloon Bound” under Works Order Nos. CB128520-5 and CB128519-0 in Contract No. 02/HY/2015 “Highway Department Term Contract (Management and Maintenance of Roads in Tai Po and North District excluding High Speed Roads 2016-2022)”.

Pursuant to the EP (EP-324/2008/E) Condition 2.7, the Capture Survey Trip Report for Ma Wat River Northern Meander (Version 2) for the Project was submitted on 24 December 2013 by the Environmental Team (ET) and verified by the Independent Environmental Checker (IEC) on 6 January 2014.

The construction phase of the Contract under the EP and the Environmental Monitoring and Audit (EM&A) programme of the contract commenced on 21 November 2013. The impact environmental monitoring and audit includes air quality and noise monitoring.

This report documents the findings of EM&A works conducted in the period between 1 February 2018 and 30 April 2018. As informed by the Contractor, construction activities of Contract No. HY/2012/06 in the reporting period were as follows:

- Site clearance
- Ground investigation
- Pipe laying
- Retaining wall construction
- Noise barrier
- Excavation
- Backfilling
- Drainage
- Footbridge demolition
- Bridge construction
- Piling

As informed by the Contractor, construction activities of Works Order Nos. CB128520-5 and CB128519-0 under Contract No. 02/HY/2015 in the reporting period were:

- Construction of footpath & bus lay-by
- Erection of NB panels
- Erection of NB posts



- KMB works
- Metal frame for BBI
- Metal frame & roof cladding of bus shelter

### **Reporting Change**

There was no reporting change required in the reporting period.

### **Breaches of Action and Limit Levels for Air Quality**

No exceedance of Action and Limit Level was recorded for 1-hour and 24-hour TSP monitoring in the reporting period.

### **Breaches of Action and Limit Levels for Noise**

No Action Level exceedance of construction noise was recorded in the reporting month. No noise complaints related to 0700 – 1900 hours on normal weekdays was received and followed by Environmental Team in the reporting period.

One (1) Limit Level exceedance was recorded on 9 April 2018 for noise monitoring at M3 in the reporting period. The exceedance is still under investigation.

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

No notification of summons and successful prosecution was received in the reporting period.

One (1) noise-related complaint was received on 1 March 2018 and followed up by the Environmental Team. The full complaint investigation report is annexed in Appendix M of the Monthly EM&A Report for March 2018.

### **Future Key Issues**

Key issues to be considered in the coming month include:

- Properly store and label oils and chemicals on site;
- Chemical, chemical waste and waste management;
- Collection of construction waste should be carried out regularly;
- Properly maintain all drainage facilities and wheel washing facilities on site;
- Exposed slopes should be covered up properly if no temporary work will be conducted;
- Quieter powered mechanical equipment should be used;
- Suppress dust generated from excavation activities and haul road traffic; and
- Tree protective measures for all retained trees should be well maintained.

## 1 INTRODUCTION

### 1.1 Project Organization and Contacts of Key Management

1.1.1 The project organization structure is shown in Appendix A. The key personnel contact names and numbers are summarized in Table 1.1.

**Table 1.1 Contact Information of Key Personnel**

Party	Position	Name	Telephone	Fax
<b>ER</b> (Hyder-Arup-Black & Veatch Joint Venture)	Chief Resident Engineer	Edwin Chung	6115 0818	2638 0950
<b>IEC</b> (Mott MacDonald Hong Kong Limited)	Independent Environmental Checker	Steven Tang	2828 5920	2827 1823
<b>Contractor of [HY/2012/06]</b>  (China State Construction Engineering (Hong Kong) Limited)	Environmental Officer	Michael Tsang	9277 4956	2672 2501
		C C Chow	9679 6315	2672 2501
<b>Contractor of [02/HY/2015]</b>  (Chiu Hing Construction & Transportation Company Limited)	Safety Officer	Marty Tai	9106 5318	-
<b>ET</b> (AECOM Asia Company Limited)	ET Leader	Y W Fung	3922 9393	3922 9797

### 1.2 Programme

1.2.1 The Construction Programme is shown in Appendix B.

### 1.3 Summary of Construction Works

1.3.1 Details of the construction works of Contract No. HY/2012/06 carried out by the Contractor in this reporting period are listed below:

- Site clearance
- Ground investigation
- Pipe laying
- Retaining wall construction

- Noise barrier
- Excavation
- Backfilling
- Drainage
- Footbridge demolition
- Bridge construction
- Piling

Details of the construction works of Works Order Nos. CB128520-5 and CB128519-0 under Contract No. 02/HY/2015 carried out by the Contractor in this reporting period are listed below:

- Construction of footpath & bus lay-by
  - Erection of NB panels
  - Erection of NB posts
  - KMB works
  - Metal frame for BBI
  - Metal frame & roof cladding of bus shelter
- 1.3.2 The general layout plan of the Project site of Contract No. HY/2012/06 and Works Order Nos. CB128520-5 and CB128519-0 under 02/HY/2015 showing the contract areas are shown in Figure 1.1 and Figure 1.2 respectively.
- 1.3.3 The environmental mitigation measures implementation schedule are presented in Appendix C.

## 2 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

### 2.1 Monitoring Parameters

- 2.1.1 The updated EM&A Manual has designated 1 air quality monitoring station and 2 noise monitoring stations to monitor environmental impacts on air quality and noise due to Stage 2 of the Project.
- 2.1.2 The updated EM&A Manual also requires environmental site inspections for air quality, noise, water quality, chemical, waste management, ecology and landscape and visual impacts.

### 2.2 Monitoring Locations

- 2.2.1 For air quality monitoring, the monitoring station was set up at Fanling Government Secondary School, in accordance with updated EM&A Manual. The location is shown in Figure 1.3a.
- 2.2.2 For noise monitoring, the monitoring stations M2 and M3 were set up at West Tai Wo and Fanling Government Secondary School respectively in accordance with updated EM&A Manual. Figure 1.3a-b shows the locations of the monitoring stations.

### 2.3 Environmental Quality Performance Limits (Action/Limit Levels)

- 2.3.1 The environmental quality performance limits (i.e. Action/Limit Levels) of air quality monitoring were derived from the baseline air quality monitoring results at the monitoring station (AM2); while the environmental quality performance limits of noise monitoring were defined in the EM&A Manual.
- 2.3.2 The environmental quality performance limits are given in Appendix D.

### 2.4 Environmental Mitigation Measures

- 2.4.1 Relevant environmental mitigation measures were stipulated in the Particular Specification and EP for the Contractor to adopt. A list of environmental mitigation measures and their implementation statuses are given in Appendix C.

## 3 AIR QUALITY MONITORING

- 3.1.1 In accordance with the updated EM&A Manual, baseline 1-hour and 24-hour TSP levels at one air quality monitoring station was established. Impact 1-hour TSP monitoring was conducted for at least three times every 6 days, while impact 24-hour TSP monitoring was carried out for at least once every 6 days.
- 3.1.2 The weather was mostly sunny, occasionally fine and rainy in the reporting quarter. Weather information including the wind speed and wind direction is annexed in Appendix F. The information was obtained from the Hong Kong Observatory Tai Po and Tai Mei Tuk Automatic Weather Stations.
- 3.1.3 The monitoring results for 1-hour TSP and 24-hour TSP monitoring are summarized in Tables 3.1 and 3.2 respectively. Detailed impact air quality monitoring results are presented in Appendix E.

**Table 3.1 Summary of 1-hour TSP Monitoring Results in the Reporting Period**

Location	Average ( $\mu\text{g}/\text{m}^3$ )	Range ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
<b>AM2</b> (Fanling Government Secondary School)	69.0	60.6 – 80.6	317.8	500

**Table 3.2 Summary of 24-hour TSP Monitoring Results in the Reporting Period**

Location	Average ( $\mu\text{g}/\text{m}^3$ )	Range ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
<b>AM2</b> (Fanling Government Secondary School)	40.3	19.5 – 66.1	200.7	260

- 3.1.4 The major dust sources in the reporting period included construction activities from Stage 2 of the Project, as well as nearby traffic emissions.
- 3.1.5 All 1-hour and 24-hour TSP results were below the Action and Limit Level in the reporting quarter.
- 3.1.6 Detailed impact air quality monitoring results are presented in Appendix E.

## 4 NOISE MONITORING

- 4.1.1 In accordance with the EM&A Manual, impact noise monitoring was conducted for at least once per week during the construction phase of the Contract.
- 4.1.2 The monitoring results for construction noise are summarized in Table 4.1 and the monitoring data are provided in Appendix G.

**Table 4.1 Summary of Construction Noise Monitoring Results in the Reporting Period**

	Average (dB(A))	Range (dB(A))	Limit Level (dB(A))
	$L_{\text{eq}}$ (30 mins)	$L_{\text{eq}}$ (30 mins)	$L_{\text{eq}}$ (30 mins)
<b>M2*</b> (West Tai Wo)	68.5	66.0 – 70.8	75
<b>M3#</b> (Fanling Government Secondary School)	64.7	59.5 – 67.4	65/70

\*+3dB(A) Façade correction included

# Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period.

- 4.1.3 The major noise sources during the noise monitoring included nearby road traffic noise.
- 4.1.4 No Action Level exceedance of construction noise was recorded in the reporting month. No noise complaints related to 0700 – 1900 hours on normal weekdays was received and followed by Environmental Team in the reporting period.
- 4.1.5 One (1) Limit Level exceedance was recorded on 9 April 2018 for noise monitoring at M3 in the reporting period. The exceedance is still under investigation.
- 4.1.6 The graphical plots of the trends of the monitoring results are provided in Appendix G.

## 5 ADVICE ON THE SOLID AND LIQUID WASTE MANAGEMENT STATUS

5.1.1 As advised by the Contractor of Contract No. HY/2012/06, 9,492 m<sup>3</sup> of inert C&D material was generated in the reporting period 808m<sup>3</sup> was broken concrete, 3,670m<sup>3</sup> was reused in the Contract, 3,257m<sup>3</sup> was reused in other Projects and 1,757m<sup>3</sup> was disposed as public fill to Tuen Mun 38). 255 kg of general refuse was disposed of at NENT landfill. 13,324 kg of metals, 180 kg of paper and 1,225 kg of plastics were collected by recycling Contractors, and 0 kg of chemical wastes were collected by licensed Contractors in the reporting period.

5.1.2 The actual amounts of different types of waste generated by the activities of the Project in the reporting quarter are summarized in Table 5.1.

Table 5.1 Summary of Waste Flow Table for Contract No. HY/2012/06

Waste Type	Actual Amount	Disposal/Reuse Locations
Inert C&D materials disposed as public fill	1,757 m <sup>3</sup>	Tuen Mun 38
Broken concrete	808 m <sup>3</sup>	Tuen Mun 38
C&D wastes disposed as general refuse	255 m <sup>3</sup>	NENT Landfill
Paper/cardboard packaging	180 kg	Recycling Facilities
Plastics	1,225 kg	Recycling Facilities
Metals	13,324 kg	Recycling Facilities
C&D materials reused on site	3,670 m <sup>3</sup>	Site Area
C&D materials reused in other projects	3,257 m <sup>3</sup>	Other projects
Chemical wastes	0 kg	Licensed Contractors

5.1.3 As advised by the Contractor of Works Order Nos. CB128520-5 and CB128519-0 under Contract No. 02/HY/2015, 2 m<sup>3</sup> of inert C&D material was generated in the reporting month (0 m<sup>3</sup> disposed of as public fill to Tuen Mun 38, 0 m<sup>3</sup> of inert C&D materials was reused on site, 0 m<sup>3</sup> of inert C&D materials was reused in other projects and 2 m<sup>3</sup> was broken concrete). For C&D wastes, 0 m<sup>3</sup> of general refuse was disposed of at NENT landfill, 2 kg of paper/cardboard packaging, 2 kg of plastics and 0 kg of metals were collected by recycling Contractors in the reporting period.

5.1.4 The actual amounts of different types of waste generated by the activities of the Project in the reporting period are shown in Table 5.2.

Table 5.2 Summary of Waste Flow Table for Contract No. 02/HY/2015 (Works Order Nos. CB128520-5 and CB128519-0)

Waste Type	Actual Amount	Disposal/Reuse Locations
Inert C&D materials disposed as public fill	0 m <sup>3</sup>	Tuen Mun 38
Broken concrete	2 m <sup>3</sup>	Tuen Mun 38
C&D wastes disposed as general refuse	0 m <sup>3</sup>	NENT Landfill
Paper/cardboard packaging	2 kg	Recycling Facilities
Plastics	2 kg	Recycling Facilities
Metals	0 kg	Recycling Facilities
C&D materials reused on site	0 m <sup>3</sup>	Site Area
C&D materials reused in other projects	0 m <sup>3</sup>	Other projects

## **6 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT**

- 6.1.1 All 1-hour and 24-hour TSP monitoring results complied with the Action / Limit Levels in the reporting quarter.
- 6.1.2 No Action Level exceedance of construction noise was recorded in the reporting month. No noise complaints related to 0700 – 1900 hours on normal weekdays was received and followed by Environmental Team in the reporting period.
- 6.1.3 One (1) Limit Level exceedance was recorded on 9 April 2018 for noise monitoring at M3 in the reporting period. The exceedance is still under investigation.

## **7 SUMMARY OF COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS**

- 7.1.1 No notification of summons and successful prosecution was received in the reporting period.
- 7.1.2 One (1) noise-related complaint was received on 1 March 2018 and followed up by the Environmental Team. The full complaint investigation report is annexed in Appendix M of the Monthly EM&A Report for March 2018.
- 7.1.3 The statistics on complaints, notifications of summons and successful prosecutions are summarized in Appendix H.
- 7.1.4 A 24-hour complaint hotline at 6628 8366 has been established for the Project. The hotline number is displayed at the site entrances, fencings and project signboards, as well as printed on publications such as newsletters for the public.

## 8 COMMENTS, RECOMMENDATIONS AND CONCLUSIONS

### 8.1 Comments

8.1.1 According to the environmental site inspections performed in the reporting period, the following comments are made to the Contractor for precautionary and rectification purposes:

Contract No. HY/2012/06

#### ***Air Quality Impact***

- The Contractor was advised to cover the exposed stockpile of dusty materials entirely with impervious sheeting for dust suppression.
- The Contractor was advised to provide valid NRMM label for all equipment before operation.
- The Contractor was advised to remove the mud trail and ensure the vehicle entrance and wheel washing area clear of dusty materials.
- The Contractor was advised to clean up the dust on public access road regularly.
- The Contractor was advised to clear the dusty materials near vehicle exit points and pave the wheel washing area with hardcore.
- The Contractor was advised to clear the dusty materials at the vehicle exit points and ensure all vehicles are properly wheel-washed before leaving the site.

#### ***Construction Noise Impact***

- Nil.

#### ***Water Quality Impact***

- The Contractor was advised to provide proper protection for the drainage system.
- The Contractor was advised to remove the general refuse and wastes in the drainage and ensure proper protection for drainage system is provided.
- The Contractor was advised to clean up the public access road near site boundary and implement effective measures to prevent muddy surface runoff being spilled from the site to public area.

#### ***Chemical and Waste Management***

- The Contractor was advised to provide drip tray and proper label for all chemicals and store the chemical waste at a proper storage area.
- The Contractor was advised to plug the opening of the drip tray to prevent potential leakage.

#### ***Landscape and Visual Impact***

- Nil.

#### ***Miscellaneous***

- The Contractor was advised to remove the stagnant water to prevent mosquito breeding.

Contract No. 02/HY/2015 (Works Order Nos. CB128520-5 and CB128519-0)

#### ***Air Quality Impact***

- The Contractor was advised to cover the exposed stockpile of dusty materials entirely with impervious sheeting for dust suppression.

#### ***Construction Noise Impact***

- Nil.

#### ***Water Quality Impact***

- Nil.



***Chemical and Waste Management***

- The Contractor was advised to improve the housekeeping condition and keep the site clean and tidy.

***Landscape and Visual Impact***

- Nil.

***Miscellaneous***

- Nil.

## **8.2 Recommendations**

- 8.2.1 The impact air quality and noise monitoring programme ensures that any deterioration in environmental condition is readily detected and timely actions are taken to rectify any non-compliances. Assessment and analysis of monitoring results collected demonstrated the environmental acceptability of the Project. The weekly environmental site inspections ensure that all the environmental mitigation measures recommended in the ERR are effectively implemented.
- 8.2.2 The EM&A programme effectively monitored the environmental impacts from the construction activities and no particular recommendations were advised for the improvement of the programme.

## **8.3 Conclusions**

- 8.3.1 All 1-hour and 24-hour TSP monitoring results complied with the Action / Limit Levels in the reporting quarter.
- 8.3.2 No Action Level exceedance of construction noise was recorded in the reporting month. No noise complaints related to 0700 – 1900 hours on normal weekdays was received and followed by Environmental Team in the reporting period.
- 8.3.3 One (1) Limit Level exceedance was recorded on 9 April 2018 for noise monitoring at M3 in the reporting period. The exceedance is still under investigation.
- 8.3.4 No notification of summons and successful prosecution was received in the reporting period.
- 8.3.5 One (1) noise-related complaint was received on 1 March 2018 and followed up by the Environmental Team. The full complaint investigation report is annexed in Appendix M of the Monthly EM&A Report for March 2018.

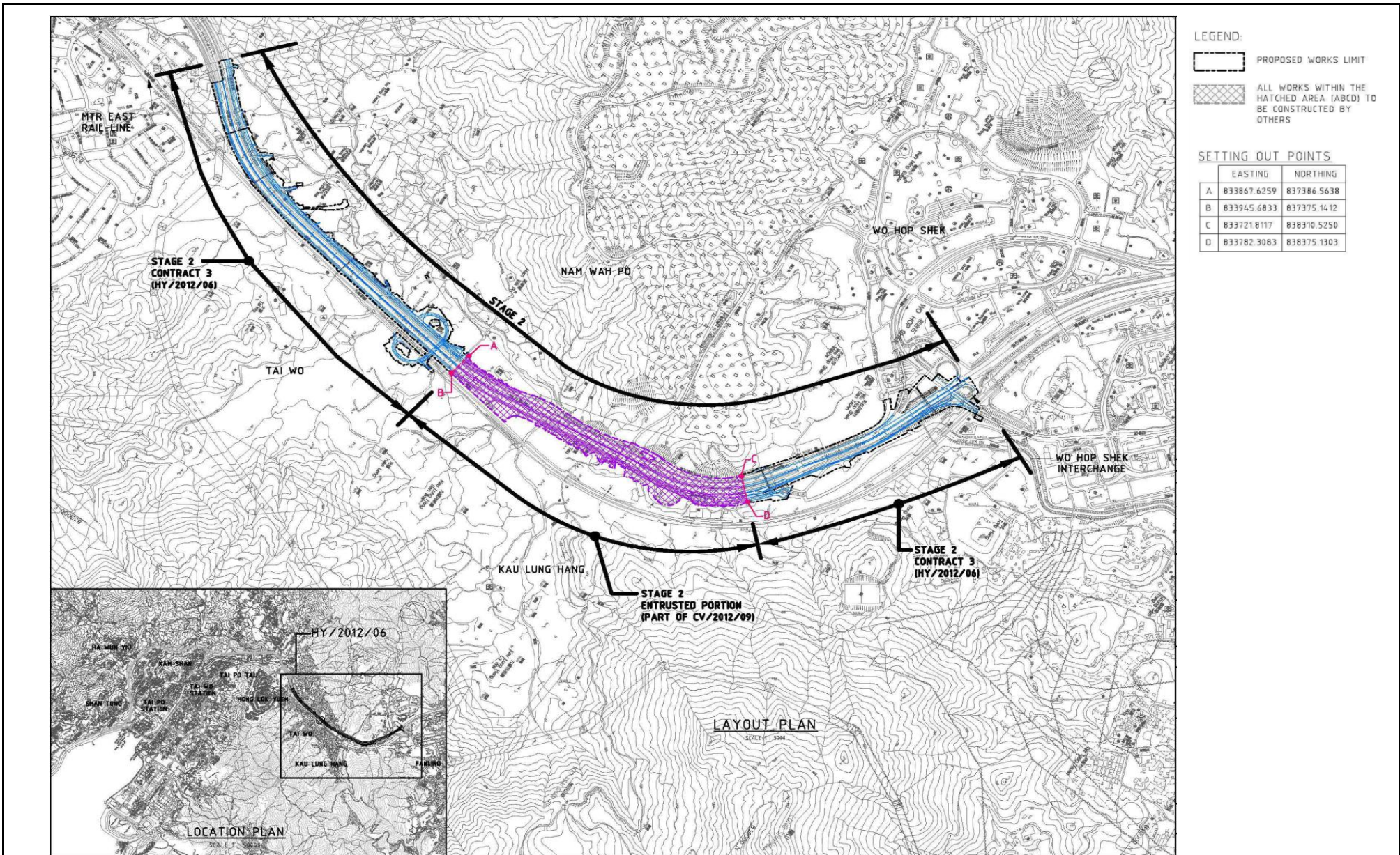
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## FIGURES

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CONTRACT NO. HY/2012/06  
 WIDENING OF FANLING HIGHWAY  
 - TAI HANG TO WO HOP SHEK INTERCHANGE

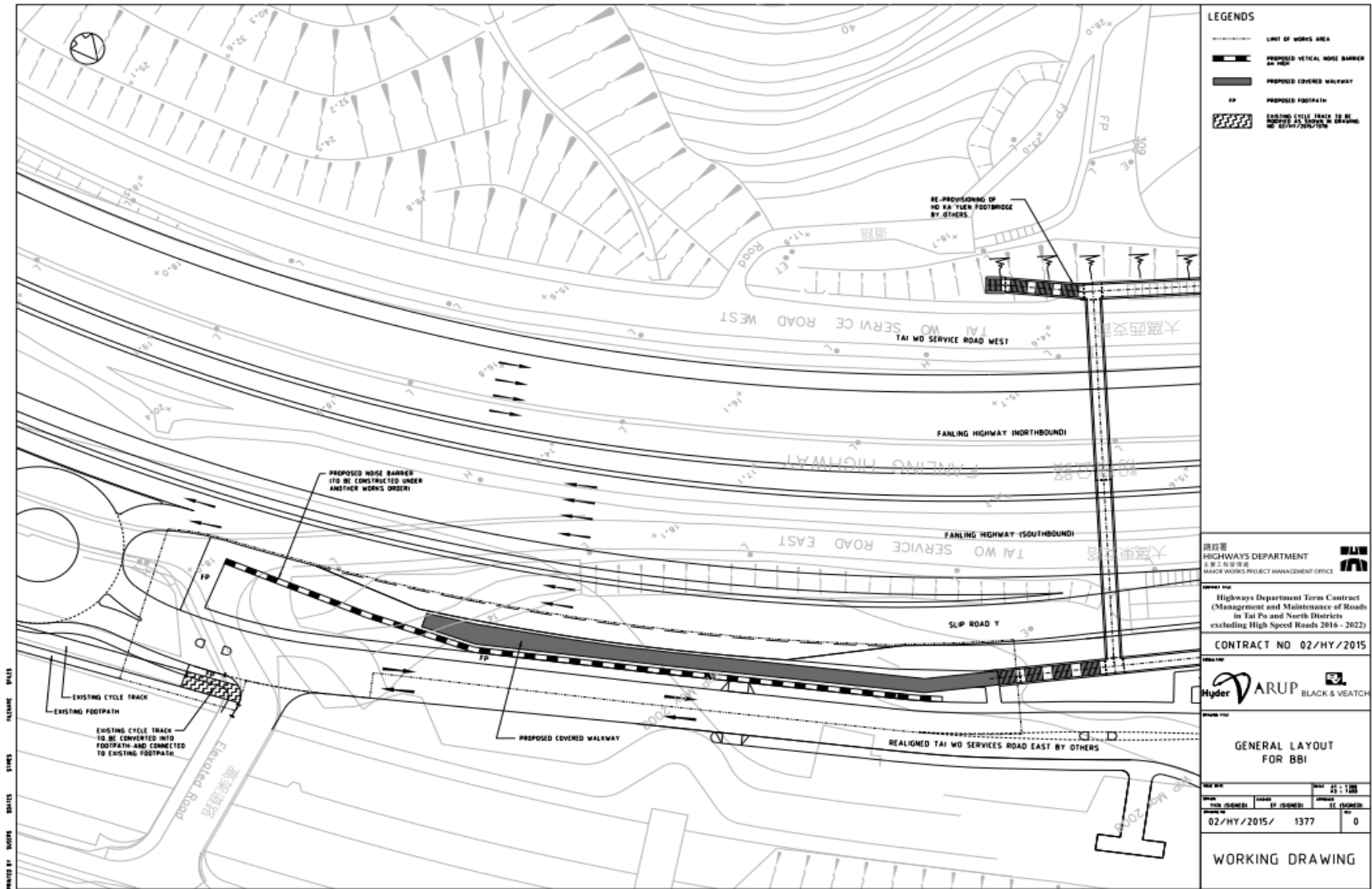


Layout Plan

Date: Dec 2013

Figure 1.1





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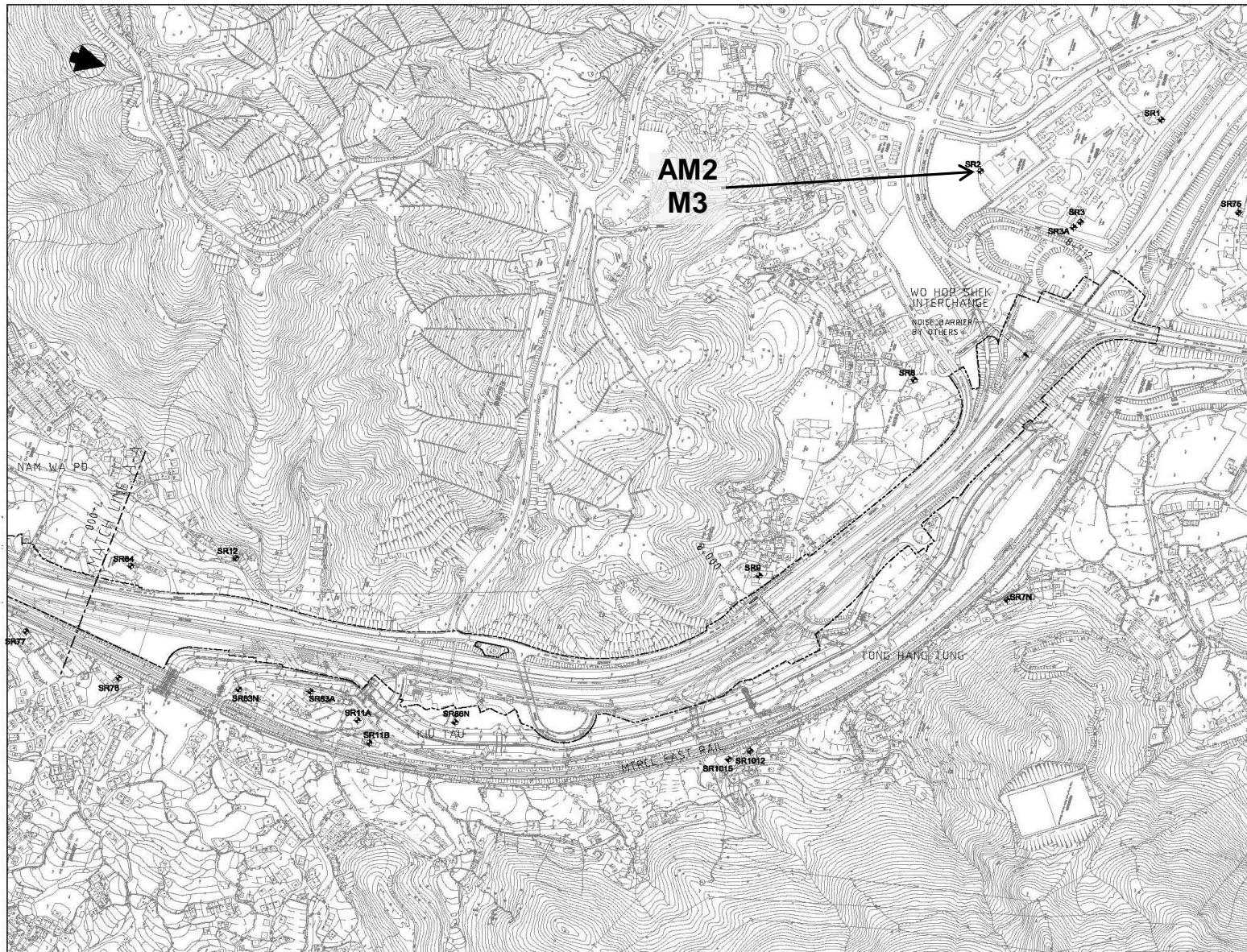
CONTRACT NO. 02/HY/2015  
 PROVISION OF BUS-BUS INTERCHANGE ON FANLING HIGHWAY KOWLOON BOUND



Layout Plan

Date: Apr 2017

Figure 1.2



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CONTRACT NO. HY/2012/06  
 WIDENING OF FANLING HIGHWAY  
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Locations of Monitoring Station

Date: Dec 2013

Figure 1.3a



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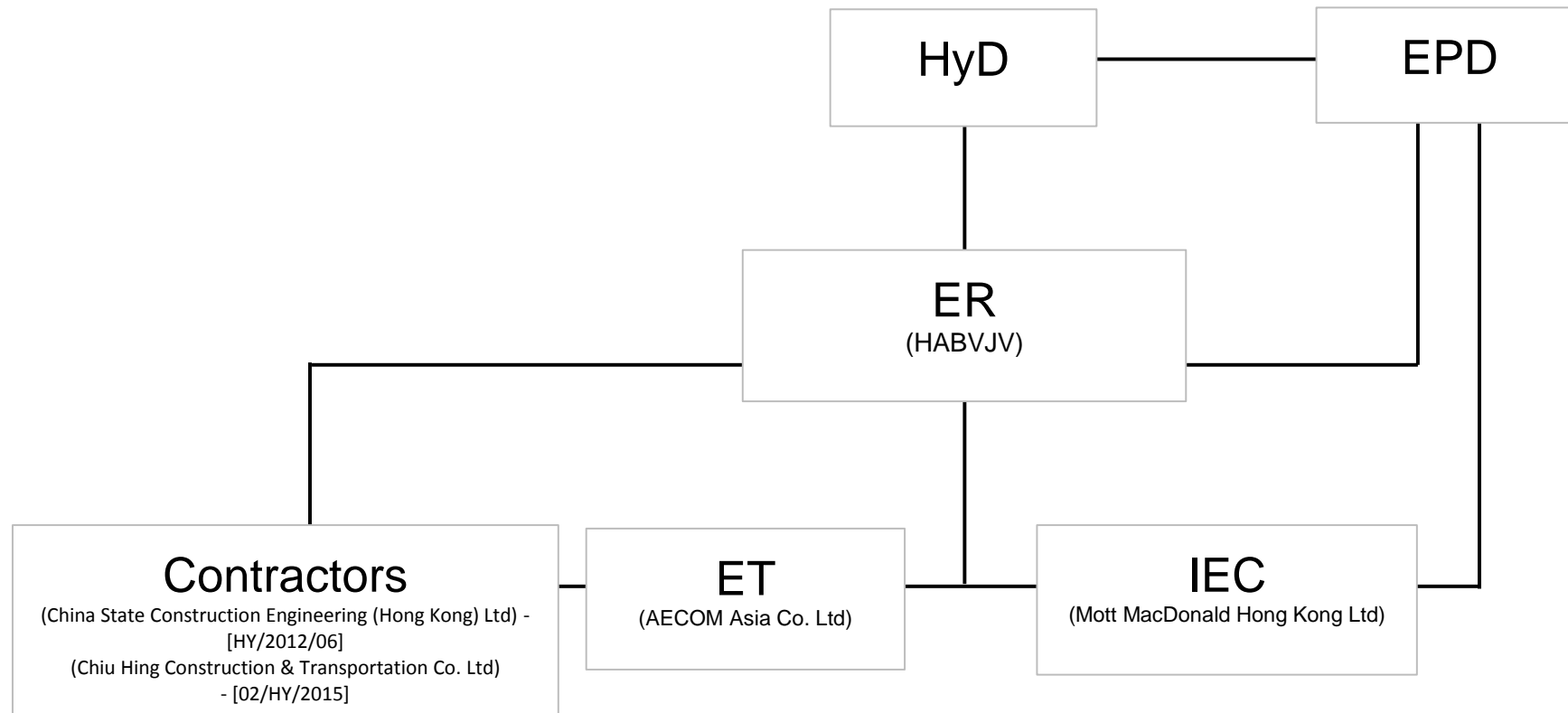
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**APPENDIX A  
PROJECT ORGANIZATION STRUCTURE**

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CONTRACT NO. HY/2012/06  
 WIDENING OF FANLING HIGHWAY  
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Project Organization Structure

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**APPENDIX B  
CONSTRUCTION PROGRAMMES**

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**CONSTRUCTION PROGRAMME OF  
FEBRUARY 2018**

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Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								Feb	Mar	Apr	May	
<b>Contract Condition</b>												
<b>General</b>												
<b>Contract Condition</b>												
<b>Contract Condition</b>												
KD14	KD-14 1523d) - S4: Achievement: Rd widening of Fanling Highway @	0%	0	0	20-Feb-18	20-Feb-18	112					
KD18	KD-18(1380d) -N4: Achieve: Eastern Rd widening works at Fanling	0%	0	0	23-Mar-18	23-Mar-18	22					
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Feb-18		870					
POSSA327	Site Area SA327 (180d)	0%	0	0	20-Feb-18*		-1146					
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-Feb-18*		-948					
POSSA345	Site Area SA345 (0d)	0%	0	0	20-Feb-18*		-813					
<b>ZONE 1 (Ch. 5640 to 5880)</b>												
<b>Noise Barrier Along Fanling Highway N/B</b>												
<b>NB43B (Ch.5640-5880)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB01220	NB43B-1 - Footing & Wall Structure	15%	34	40	08-Jan-18 A	03-Apr-18	14					
NB01225	NB43B-1 (0-100m) - Drainage Works	0%	24	24	04-Apr-18	03-May-18	14					
NB01230	NB43B-1 - backfilling	0%	12	12	04-May-18	17-May-18	104					
NB01240	NB43B-1 - NB production	0%	45	45	04-Apr-18	18-May-18	367					
NB01250	NB43B-1 - NB post & panel installation	0%	5	5	19-May-18	25-May-18	298					
NB01270	NB43B-2 - Footing & Wall Structure	0%	40	40	13-Jan-18 A	11-Apr-18	30					
NB01275	NB43B-2 (100-200m) - Drainage Works	0%	24	24	04-May-18	01-Jun-18	14					
NB01290	NB43B-2 - NB production	0%	45	45	12-Apr-18	26-May-18	359					
NB01320	NB43B-3 - Footing & Wall Structure	36.07%	39	61	25-Nov-17 A	10-Apr-18	31					
NB01340	NB43B-3 - NB production	0%	45	45	11-Apr-18	25-May-18	360					
<b>ZONE 2 (Ch. 5880 to 6930)</b>												
<b>General</b>												
<b>DRM Proposal</b>												
<b>DRM Proposal</b>												
ADVZ20284	Demolish existing TW bridge & TH bridge	0%	10	10	27-Feb-18*	09-Mar-18	6					
ADVZ20285	Road work for Lane 2,3,4 from TH to TW bridge	0%	19	19	10-Mar-18*	04-Apr-18	6					
ADVZ20286	Road work for TWSR-W to FLHY transition	0%	7	7	06-Apr-18	13-Apr-18	6					
ADVZ20288	TTA stage 3 - All N/B NB working space available	0%	0	0	14-Apr-18		6					
ADVZ20290	NB at FLHY N/B construction Period (Zone 2)	20.33%	239	300	20-Nov-17 A	07-Dec-18	-11					
ADVZ20310	NB at FLHY N/B construction Period (Zone 1)	42.44%	118	205	05-Oct-17 A	16-Jul-18	56					
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>												
<b>NB54A (Ch.6290-6350)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB00790	NB54A - NB post & panel installation	0%	10	5	15-Jan-18 A	02-Mar-18	344					
<b>Noise Barrier Along Fanling Highway N/B</b>												
<b>NB43A (Ch.5880-6060)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB001080	NB43A- ID1-2 piling (0.19m -18no)-1 rigs	0%	18	18	20-Feb-18	12-Mar-18	46					
NB001090	NB43A - ID1-2 Sheet piling & Excavation	0%	10	10	12-Apr-18	23-Apr-18	30					
NB001100	NB43A - ID1-2 Footing & Wall Structure	0%	40	40	24-Apr-18	11-Jun-18	30					
NB01520	NB43A-1 - Footing & Wall Structure	55.56%	36	81	25-Nov-17 A	06-Apr-18	30					
NB01540	NB43A-1 - NB production	0%	45	45	07-Apr-18	21-May-18	339					
NB01560	NB43A-2 (86.8-166.7m) - Sheet piling & Excavation	0%	18	18	07-Apr-18	27-Apr-18	30					
NB01570	NB43A-2 - Footing & Wall Structure	0%	60	60	28-Apr-18	11-Jul-18	30					
<b>NB50 (Ch.6060-6130)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB001150	NB50 -piling (0.19m -28no)	0%	28	28	14-Apr-18	17-May-18	6					
NB001160	NB50 -Sheet piling & Excavation	0%	15	15	18-May-18	05-Jun-18	23					
<b>NB50A (Ch.6130-6450)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB001220	NB50A - ID2-2 piling (0.19m -18no)	0%	18	18	18-May-18	08-Jun-18	6					
NB01606	NB50A (0-108m)(NB50A/1-11, 0.19m -60nos) Piling (s3)	0%	60	60	14-Apr-18	26-Jun-18	42					
NB01654	NB50A (132-228m)(NB50A/12-20) & FVMS1 Pre-drilling	0%	20	20	20-Feb-18	14-Mar-18	44					
NB01656	NB50A (132-228m)(NB50A/12-S2, 0.19m -44nos) & FVMS1 (8 nos)	0%	52	52	14-Apr-18	15-Jun-18	22					
NB01706	NB50A (228-309m)(NB50A/S4-S5, 0.19m -18nos) & ADS1 (8nos)Piling	0%	26	26	14-Apr-18	15-May-18	66					
NB01710	NB50A (225-311m) - Sheet piling & Excavation	0%	12	12	16-May-18	30-May-18	76					
<b>NB60 (Ch.6450-6920)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB01770	NB60 (15-63m)(NB60/1-4, 0.19m -16nos) Piling	0%	16	16	16-May-18	04-Jun-18	66					
NB01840	NB60-2 (63-174m)(NB60/5-15, 0.19m -64nos) Piling	20%	51	64	15-Jan-18 A	25-Apr-18	21					
NB01850	NB60-2 (63-174m) - Sheet piling & Excavation	0%	18	18	25-Apr-18	17-May-18	21					
NB01860	NB60-2 - Footing & Wall Structure	0%	60	60	17-May-18	30-Jul-18	21					
NB01910	NB60 ID3-2 (174-192m) 0.19m -18nos Piling	0%	18	18	20-Feb-18	12-Mar-18	-13					

	Project ID: WP Rev 06 (1802)	<b>Contract No. HY/2012/06</b> <b>Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange</b> <b>3 Month Rolling Program(20-Feb-18)</b>		Date	Revision	C.A...
	Layout: 3 Month Rolling Program			28-Aug-15	WP Rev 2	
	Page 1 of 5			07-Apr-16	WP Rev 3	
				08-Nov-16	WP Rev 4	
	17-Aug-17	WP Rev 5				
	26-Jan-18	WP Rev 6				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								Feb	Mar	Apr	May	
NB01920	NB60-ID3-2 ((174-192m) - Sheet piling & Excavation	0%	18	18	13-Mar-18	06-Apr-18	-13					
NB01930	NB60-ID3-2 - Footing & Wall Structure	0%	50	50	07-Apr-18	06-Jun-18	-13					
NB01980	NB60 (192-300m)(NB60/16-25, 0.19m -40nos) Piling	10%	36	40	01-Feb-18 A	06-Apr-18	37					
<b>Bridge Construction</b>												
<b>New Tai Hang Footbridge</b>												
<b>TWSR-West/ FL Highway N/B Side Section</b>												
THBF0620	Finishes Work	79.15%	64	307	27-Feb-17 A	10-May-18	290					
THBF0625	Bridge Structure complete (THFB-TWSR-W side)	0%	0	0		10-May-18	290					10-May-18 ♦ Bridge
<b>Crossing Fanling Highway Section</b>												
THBF0590	Finishes Work	0%	60	60	20-Feb-18	05-May-18	294					
THBF0600	Bridge Structure complete (THFB-Cross fanling highway)	0%	0	0		05-May-18	294					05-May-18 ♦ Bridge Struc
<b>TWSR-East FL Highway S/B Side Section</b>												
THBF0470	THAB1 - pile cap & abutment wall	88.97%	45	408	21-Nov-16 A	12-Jun-18	183					
THBF0800	ABWF work	0%	30	30	20-Feb-18	26-Mar-18	324					
<b>Lift at TWSR-W Side</b>												
L1530	Structural Laminated glass wall installation	0%	30	30	20-Feb-18	26-Mar-18	221					
L1550	Metal cover on RC platform	0%	30	30	20-Feb-18	26-Mar-18	204					
L1555	Glass canopy on ground level	0%	30	30	27-Mar-18	05-May-18	294					
L1560	Lift installation (NF115)	0%	70	70	27-Mar-18	23-Jun-18	221					
L1590	E&M and Finishes work	0%	120	120	27-Mar-18	22-Aug-18	204					
L1600	CLP Power available (by CLP)	94.47%	32	579	21-Jun-16 A	23-Mar-18	361					
<b>Lift at FLHY S/B</b>												
L1370	Lift shaft & roof	88.89%	46	414	20-Sep-16 A	18-Apr-18	104					
L1380	Structural Laminated glass wall installation	0%	30	30	19-Apr-18	25-May-18	134					
L1390	RC Platform connect to bridge (THSC-2 & TH-P2)	0%	30	30	19-Apr-18	25-May-18	104					
L1450	CLP Power available (by CLP)	89.48%	61	580	21-Jun-16 A	21-Apr-18	282					
<b>New Tai Wo Footbridge</b>												
<b>General</b>												
TWFB1090	Steel Bridge prefabrication (TWFB)	91.49%	37	435	15-Aug-16 A	07-Apr-18	182					
TWFB1100	Steel Bridge available on site (TWFB)	0%	0	0	09-Apr-18		182					♦ Steel Bridge available on site (TWFB)
<b>TWSR-West/ FL Highway N/B Side Section</b>												
TWFB1390	Finishes Work	75.11%	59	237	20-May-17 A	04-May-18	281					
TWFB1400	Bridge Structure complete (TWFB-TWSR-W side)	0%	0	0		04-May-18	281					04-May-18 ♦ Bridge Struc
<b>Crossing Fanling Highway Section</b>												
TWFB1440	TWP2 - Pile cap	0%	30	30	14-Apr-18	19-May-18	88					
<b>TWSR-East FL Highway S/B Side Section</b>												
TWFB1480	Precautionary work for MTRC I&P area	0%	45	45	20-Feb-18	17-Apr-18	81					
TWFB1550	TWP3 - Pre-bored H pile (6 nos)	0%	18	18	18-Apr-18	09-May-18	81					
TWFB1570	TWP3 - Pile cap, Pier and Pier Head	0%	75	75	10-May-18	08-Aug-18	81					
<b>Lift at TWSR-W Side</b>												
L1670	Lift shaft & roof	95.4%	22	478	21-Jun-16 A	16-Mar-18	138					
L1680	Structural Laminated glass wall installation	0%	30	30	17-Mar-18	25-Apr-18	181					
L1690	RC Link slab connect to bridge	0%	30	30	17-Mar-18	25-Apr-18	138					
L1700	Metal cover on RC platform	0%	30	30	26-Apr-18	01-Jun-18	138					
L1730	Lift submission & ordering period	94.36%	26	461	02-Jul-16 A	21-Mar-18	207					
L1780	CLP Power available (by CLP)	92.06%	42	529	20-Aug-16 A	02-Apr-18	330					
<b>Temporary Tai Wo Footbridge</b>												
<b>Construction Works</b>												
TWFB-T1220	Temp TW bridge complete & pedestrian diversion	0%	0	0		28-Feb-18	0					28-Feb-18* ♦ Temp TW bridge complete & pedestrian diversion
<b>Demolition of Existing Tai Wo Footbridge</b>												
<b>Crossing Fanling Highway Section</b>												
TWFB-DE1060	Erect Temp platform for bridge demolition	0%	10	10	20-Feb-18	02-Mar-18	6					
TWFB-DE1070	Demolish existing Tai Wo Footbridge	0%	4	4	03-Mar-18	07-Mar-18	6					
TWFB-DE1090	Demolish remaining columns	0%	2	2	08-Mar-18	09-Mar-18	6					
TWFB-DE1110	Demolish existing Tai Wo Footbridge complete (across FH)	0%	0	0		09-Mar-18	6					09-Mar-18 ♦ Demolish existing Tai Wo Footbridge complete (across FH)
<b>Noise Barrier Along Fanling Highway S/B</b>												
<b>NB51 (Ch.5935-6055)-FH S/B Side</b>												
<b>Noise Barrier Works</b>												
NB02300	NB51 ID1-3 (0-25m) - NB production	93.86%	14	228	20-May-17 A	05-Mar-18	416					
NB02310	NB51 ID1-3 (0-25m) - NB post & panel installation	0%	5	5	06-Mar-18	10-Mar-18	337					
<b>NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02430	Precautionary Measure installation	0%	26	26	20-Feb-18	21-Mar-18	155					
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	22-Mar-18	25-Apr-18	192					
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	26-Apr-18	09-Jul-18	192					
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	22-Mar-18	06-Apr-18	155					
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs	0%	27	27	07-Apr-18	09-May-18	155					
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	10-May-18	04-Jun-18	155					
NB02590	NB53 (125-180m) - NB production	97.64%	14	593	20-May-16 A	05-Mar-18	416					
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	06-Mar-18	10-Mar-18	337					
<b>NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02660	NB55 - NB production	94.63%	40	745	15-Jan-16 A	31-Mar-18	390					

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Feb	Mar	Apr	May
NB02670	NB55 - NB post & panel installation	0%	5	5	03-Apr-18	09-Apr-18	316				
<b>NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02730	NB56 - NB production	97.95%	14	683	20-Feb-16 A	05-Mar-18	416				
NB02740	NB56 - NB post & panel installation	0%	5	5	06-Mar-18	10-Mar-18	337				
<b>NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02790	NB61 (0-50m)- backfilling	44%	28	50	20-Jan-18 A	23-Mar-18	326				
NB02800	NB61 (0-50m) - NB production	68.89%	14	45	20-Jan-18 A	05-Mar-18	416				
NB02810	NB61 (0-50m) - NB post & panel installation	0%	5	5	06-Mar-18	10-Mar-18	337				
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Feb-18	05-Apr-18	385				
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	06-Apr-18	11-Apr-18	314				
<b>NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02920	NB61A(0-50m) - NB production	93.7%	45	714	20-Feb-16 A	05-Apr-18	385				
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	06-Apr-18	11-Apr-18	314				
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	93.34%	57	856	01-Apr-15 A	02-May-18	257				
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	03-May-18	26-May-18	272				
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	03-May-18	16-Jun-18	313				
NB03040	NB61A(75-190m) - NB production	97.81%	15	684	20-Feb-16 A	06-Mar-18	415				
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	07-Mar-18	12-Mar-18	336				
<b>Fanling Highway Construction</b>											
<b>Drainage &amp; Road Works</b>											
<b>Ch 5880-6740</b>											
RDZ41210	Z2 (CH5880-6740) : Fanling Highway N/B - D&R works (lane	0%	30	30	20-Feb-18	26-Mar-18	11				
RDZ41240	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 4)	85.71%	11	77	25-Oct-17 A	03-Mar-18	133				
RDZ41250	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 3)	0%	60	60	05-Mar-18	18-May-18	133				
RDZ41260	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 2)	0%	60	60	19-May-18	31-Jul-18	133				
<b>Other Works</b>											
<b>TCSS Works</b>											
<b>FVMS1 (Deleted by DWG HY/2012/06/SK/0866)</b>											
TCSS1430	Predrilling (6no, 0.19m mini pile)	0%	12	12	20-Feb-18	05-Mar-18	264				
TCSS1432	Piling (6nos, 0.19m mini pile)	0%	0	0	06-Mar-18	06-Mar-18	264				
TCSS1434	Sheeting & excavation (4m)	0%	12	12	06-Mar-18	19-Mar-18	264				
TCSS1436	Fast lane footing - FVMS1 (CH6280, N/B)	0%	18	18	20-Mar-18	13-Apr-18	264				
TCSS1438	Back filling & reinstatemtn road work (2m)	0%	18	18	14-Apr-18	05-May-18	264				
<b>ADS1</b>											
TCSS1970	Back filling & reinstatemtn road work (2m)	0%	18	18	20-Feb-18	12-Mar-18	276				
<b>South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)</b>											
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>											
<b>NB64 &amp; NB64A (Ch.6860-6920)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB003350	Bus Shelter footing & shelter near NB64 - VO86	0%	40	40	20-Feb-18	11-Apr-18	314				
<b>Noise Barrier Along Fanling Highway N/B</b>											
<b>NB60 (Ch.6450-6920)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB02040	NB60 (300-408m)(NB60/26-S4, 0.19m -26nos) Piling	15.38%	22	26	27-Jan-18 A	16-Mar-18	20				
NB02050	NB60-4 (300-408m) - Sheet piling & Excavation	0%	12	12	27-Mar-18	13-Apr-18	12				
NB02060	NB60-4 - Footing & Wall Structure	0%	50	50	14-Apr-18	13-Jun-18	12				
NB02100	NB60 (408-468m)(NB60/35-39, 0.19m -32nos) Piling	0%	32	32	17-Mar-18	27-Apr-18	86				
NB02101	NB60 (408-468m) FADS1 (8nos) Piling	0%	8	8	28-Apr-18	08-May-18	86				
NB02105	NB60 (408-468m) Staircase S1 - Pre-bored H Pile (16 nos)	39.66%	35	58	06-Feb-18 A	04-Apr-18	113				
<b>NB66 (Ch.6920-6930)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB02150	NB66 - Sheet piling & Excavation	50%	9	18	20-Jan-18 A	01-Mar-18	12				
NB02160	NB66 - Footing & Wall Structure	0%	21	21	02-Mar-18	26-Mar-18	12				
NB02165	NB66 - Drainage Works	0%	18	18	27-Mar-18	20-Apr-18	56				
NB02170	NB66- backfilling	0%	15	15	07-May-18	24-May-18	153				
NB02180	NB66 - NB production	0%	45	45	27-Mar-18	10-May-18	350				
NB03320	Bus Shelter footing - VO86	0%	30	30	27-Mar-18	05-May-18	153				
<b>Bridge Construction</b>											
<b>Kau Lung Hang Vehicular Bridge</b>											
<b>KLH Bridge - West Ramp</b>											
KLH.1290	West Ramp - Planting	0%	21	21	20-Feb-18	15-Mar-18	333				
<b>KLH Bridge - Deck 1</b>											
KLH.3430	Deck 1 - Planting	0%	21	21	20-Feb-18	15-Mar-18	333				
<b>KLH Bridge - Deck 3</b>											
KLH.3500	Deck 3 - Planting	0%	21	21	20-Feb-18	15-Mar-18	365				
<b>KLH Bridge - East Ramp</b>											
KLH.3590	East Ramp - Planting	0%	34	34	20-Feb-18	03-Apr-18	673				
<b>KLH Bridge - Ramp R1</b>											
Z2.KLH.3610	Ramp R1 - Steel roof	96.07%	11	280	19-Jan-17 A	03-Mar-18	343				
<b>KLH Bridge - Ramp R2</b>											
Z2.KLH.1550	Ramp R2 - Steel roof	93.5%	16	246	14-Mar-17 A	09-Mar-18	338				
<b>KLH Bridge - Staircase S1</b>											



Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018						
								Jan	Feb	Mar	Apr	May		
Z2.KLH.1460	S1 - Staircase steel work, handrail Shop drawing submission &	0%	90	90	16-Apr-18	14-Jul-18	-17							
<b>Bridge Road Work</b>														
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	20-Feb-18	18-Jul-18	234							
<b>Lift at TWSR-W Side</b>														
L01070	Structural Laminated glass wall installation	0%	11	11	16-Mar-18*	28-Mar-18	233							
L01090	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	20-Feb-18	20-Feb-18	265							
L01094	Lift submission & ordering period	99.03%	4	414	01-Aug-16 A	23-Feb-18	261							
L01100	Lift installation	0%	70	70	29-Mar-18	26-Jun-18	233							
L01130	Finishes work	0%	88	88	29-Mar-18	18-Jul-18	234							
L01140	CLP Power available (by CLP)	90.13%	62	628	04-Apr-16 A	22-Apr-18	348							
<b>Lift at FLHY S/B</b>														
L01230	Structural Laminated glass wall installation	0%	12	12	15-Mar-18*	28-Mar-18	262							
L01250	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	20-Feb-18*	20-Feb-18	294							
L01260	Lift installation	0%	45	45	29-Mar-18	26-May-18	263							
L01290	Finishes work	0%	60	60	29-Mar-18	13-Jun-18	262							
L01300	CLP Power available (by CLP)	91.24%	63	719	04-Apr-16 A	23-Apr-18	353							
<b>Signalized Junction</b>														
<b>Kau Lung Hang Vehicular Bridge</b>														
<b>KLH Bridge - West Ramp</b>														
Z2.KLH.1032	Installation of Traffic Signal Poles at TWSR-W N/B (KLHVB)	0%	21	21	20-Feb-18*	15-Mar-18	327							
Z2.KLH.1062	E-prom ordering by EMSD (KLHVB)	0%	90	90	03-May-18	31-Jul-18	183							
<b>Noise Barrier Along Fanling Highway S/B</b>														
<b>NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&amp;P Area)</b>														
<b>Noise Barrier Works</b>														
NB03110	NB62 (0-80m) - NB production	0%	45	45	20-Feb-18	05-Apr-18	385							
NB03120	NB62 (0-80m) - NB post & panel installation	0%	5	5	06-Apr-18	11-Apr-18	314							
NB03150	NB62 (80-110m) Under bridge - backfilling	0%	14	14	20-Feb-18	07-Mar-18	335							
NB03160	NB62 (80-110m) Under bridge - NB production	0%	45	45	20-Feb-18	05-Apr-18	385							
NB03170	NB62 (80-110m) Under bridge - NB post & panel installation	0%	5	5	06-Apr-18	11-Apr-18	314							
NB03200	NB62 (110-170m) - backfilling	0%	20	20	20-Feb-18	14-Mar-18	329							
NB03210	NB62 (110-170m) - NB production	0%	45	45	20-Feb-18	05-Apr-18	385							
NB03220	NB62 (110-170m) - NB post & panel installation	0%	5	5	06-Apr-18	11-Apr-18	314							
<b>Fanling Highway Construction</b>														
<b>Drainage &amp; Road Works</b>														
<b>Ch 6740-6930</b>														
RDZ20490	Z2 (CH6740-6930) : Fanling Highway S/B - D&R works (lane 4)	61.04%	30	77	25-Oct-17 A	26-Mar-18	324							
RDZ20500	Z2 (CH6740-6930) : Fanling Highway S/B - D&R works (lane 3)	0%	24	24	05-Mar-18	04-Apr-18	319							
RDZ20510	Z2 (CH6740-6930): Fanling Highway S/B - D&R works (lane 2)	0%	24	24	19-May-18	16-Jun-18	259							
<b>North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)</b>														
<b>Bridge Construction</b>														
<b>New Ho Ka Yuen Footbridge</b>														
<b>TWSR-West/ FL Highway N/B Side Section</b>														
HKY1440	Remaining Finishes works of HKYFB	84.76%	57	374	21-Nov-16 A	02-May-18	284							
HKY1520	VO11 - slope improvement work	0%	45	45	03-May-18	26-Jun-18	284							
<b>TWSR-East FL Highway S/B Side Section</b>														
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	73.68%	100	380	13-Oct-16 A	23-Jun-18	286							
<b>ZONE 4 (Ch. 7925 to 8700)</b>														
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>														
<b>Underground Utility Works</b>														
<b>DN450 DI Watermain "A" (Ch 1989-2529)</b>														
DI0160	DN450 DI watermain laying (300-350m)	0%	30	30	01-Feb-18 A	26-Mar-18	186							
DI0170	DN450 DI watermain laying (350-400m)	0%	30	30	27-Mar-18	05-May-18	186							
DI0180	DN450 DI watermain laying (400-450m)	0%	30	30	07-May-18	11-Jun-18	186							
<b>Noise Barrier Along Fanling Highway N/B</b>														
<b>NB75 (Ch.7930-8090)-FH N/B Side</b>														
<b>Noise Barrier Works</b>														
NB4090	NB75 - NB post & panel installation (Ch7930-7990)	0%	5	5	20-Dec-17 A	24-Feb-18	216							
NB4150	NB75 - NB post & panel installation (Ch7990-8000)	0%	5	5	28-Dec-17 A	24-Feb-18	216							
NB4210	NB75 - NB post & panel installation (Ch8000-8050)	0%	5	5	20-Dec-17 A	24-Feb-18	216							
NB4260	NB75 - NB production (Ch8050-8090)	66.67%	15	45	20-Nov-17 A	06-Mar-18	250							
NB4270	NB75 - NB post & panel installation (Ch8050-8090)	0%	5	5	07-Mar-18	12-Mar-18	203							
NB4280	NB75 complete	0%	0	0		12-Mar-18	203							
<b>NB77 (Ch.8090-8450)-FH N/B Side</b>														
<b>Noise Barrier Works</b>														
NB4310	NB77 - Footing & Wall Structure (Ch8090-8190)	89.88%	17	168	20-Jul-17 A	10-Mar-18	49							
NB4320	NB77 - backfilling (Ch8090-8190)	0%	20	20	20-Apr-18	14-May-18	79							
NB4330	NB77 - NB production (Ch8090-8190)	0%	45	45	10-Mar-18	24-Apr-18	189							
NB4340	NB77 - NB post & panel installation (Ch8090-8190)	0%	15	15	15-May-18	01-Jun-18	139							
NB4370	NB77 - Footing & Wall Structure (Ch8190-8290)	71.43%	30	105	20-Sep-17 A	26-Mar-18	100							
NB4390	NB77 - NB production (Ch8190-8290)	0%	45	45	27-Mar-18	10-May-18	173							
NB4430	NB77 - Footing & Wall Structure (Ch8290-8390)	75%	27	106	03-Nov-17 A	22-Mar-18	120							
NB4450	NB77 - NB production (Ch8290-8390)	0%	45	45	22-Mar-18	06-May-18	178							
NB4482	NB77 - Footing & Wall Structure (NB77/27 - 28, N1-N2)	0%	50	50	20-Feb-18	23-Apr-18	54							

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Feb	Mar	Apr	May
NB4490	NB77 - Footing & Wall Structure (NB77/31 - 32, 0.19m & G35)	0%	50	50	24-Apr-18	23-Jun-18	54				
NB4620	NB77 Drainage Works	0%	100	100	12-Mar-18	14-Jul-18	49				
<b>Bridge Construction</b>											
<b>New Wo Hop Shek Pedstrian &amp; Cycle Bridge</b>											
<b>TWSR-West/ FL Highway N/B Side Section</b>											
WHS1380	WHSAB2, P8, P9 - pile cap & abutment wall	84.7%	28	183	20-Jun-17 A	23-Mar-18	116				
WHS1390	WHSAB2, P8, P9 - Backfilling (~3m)	0%	20	20	24-Mar-18	20-Apr-18	116				
WHS1400	2nd half Steel Ramp ready for erection (WHS-TWSR-W side)	0%	0	0		20-Apr-18	116				20-Apr-18 ♦ 2nd half Steel Ramp read
WHS1410	Erect 2nd half Ramp	0%	60	60	11-May-18	23-Jul-18	100				
WHS2120	Ramp fabrication	11.11%	64	72	07-Feb-18 A	10-May-18	100				
<b>Crossing Fanling Highway Section</b>											
WHS1510	TTA for new WHS bridge submission & approval	0%	60	60	20-Feb-18	05-May-18	290				
WHS1520	Remove railing	0%	12	12	07-May-18	19-May-18	290				
<b>VO - Wall 76A Construction</b>											
<b>Retaining Wall W76A</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
W76A1060	Road work for Caltex access road	53.33%	70	150	16-Jan-18 A	17-May-18	316				
<b>Fanling Highway Construction</b>											
<b>Drainage &amp; Road Works</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RDZ41086	Construct FH S/B Lane 1 & 2 (Ch7925-8000)(SA346) (after HKY	0%	28	28	20-Feb-18	23-Mar-18	15				
RDZ41102	Construct FH N/B Lane 1 (at NBZ2)	0%	20	20	20-Feb-18	14-Mar-18	86				
RDZ41104	Construct FH N/B Lane 2 (at NBZ2)	0%	20	20	15-Mar-18	11-Apr-18	86				
RDZ41106	Construct FH N/B Lane 3 (at NBZ2)	0%	20	20	12-Apr-18	05-May-18	86				
RDZ41108	Construct FH N/B Lane 4 (at NBZ2)	0%	20	20	07-May-18	30-May-18	86				
RDZ41131	Drainage work at central divider (Ch8100-8600)	71.33%	43	150	10-Oct-17 A	14-Apr-18	113				
RDZ41135	Construct FHS/B Lane 4 (Ch8100-8600)	0%	45	45	16-Apr-18	08-Jun-18	113				
<b>Other Works</b>											
<b>Retaining Wall W78</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RWZ4.0910	Demolition of existing retaining wall (Instructed in 2-Jun-17 ad-hoc site	0%	35	35	14-May-18	25-Jun-18	1				
RWZ4.1010	Base slab & Wall (6-11m high)- RW78 (Ch.0-50)	40%	66	110	02-Jan-18 A	12-May-18	1				
RWZ4.1030	Base slab & Wall (0-6m high)- RW78 (Ch.50-129)	0%	100	100	14-May-18	10-Sep-18	36				
<b>Slope Works</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
S1030	Slope S53-Fill ~5m	0%	110	110	20-Feb-18	06-Jul-18	111				
S1040	Slope S54A-Cut ~4m	0%	40	40	20-Feb-18	11-Apr-18	310				
S1050	Slope S54B-Cut ~5m	0%	40	40	20-Feb-18	11-Apr-18	310				
<b>TCSS Works</b>											
<b>TCSS Pre-Construction Works</b>											
TCSS0120	Prepare Shop Drawing-TCSS	80%	6	30	20-Dec-17 A	26-Feb-18	73				
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	27-Feb-18	19-Mar-18	92				
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	20-Mar-18	13-Apr-18	72				
TCSS0150	Confirm Shop drawing & ready for material ordering & factory	0%	0	0		13-Apr-18	72				13-Apr-18 ♦ Confirm Shop drawing & ready f
TCSS0160	Raw material procurement	23.33%	138	180	09-Jan-18 A	07-Jul-18	4				
<b>G34</b>											
TCSS1530	Fast lane footing - G34 (CH7990, N/B)	0%	30	30	20-Feb-18	26-Mar-18	114				
TCSS1780	TTA application & Approval - G34 (Z4)	0%	90	90	25-Apr-18	11-Aug-18	3				
<b>G35</b>											
TCSS1560	Fast lane footing - G35 (CH8410, N/B)	0%	5	5	20-Feb-18	24-Feb-18	259				
<b>DS50</b>											
TCSS1600	Slip road island footing - DS50 (CH7940, S/B)	0%	30	30	20-Feb-18	26-Mar-18	174				
TCSS1610	Fast lane footing - DS50 (CH7940, S/B)	0%	5	5	20-Feb-18	24-Feb-18	199				
<b>FADS8</b>											
TCSS1630	Fast lane footing - FADS8 (CH8220, S/B)	0%	30	30	16-Apr-18	21-May-18	161				
<b>FVMS2 (Deleted by RFI-138, Pending for VO)</b>											
TCSS1640	Slow lane footing - FVMS2 (CH8400, S/B)- Deleted by RFI-138	0%	30	30	20-Feb-18	26-Mar-18	234				
TCSS1650	Fast lane footing - FVMS2 (CH8400, S/B)	0%	30	30	20-Feb-18	26-Mar-18	234				



CHIU HING CONSTRUCTION AND TRANSPORTATION CO. LTD.

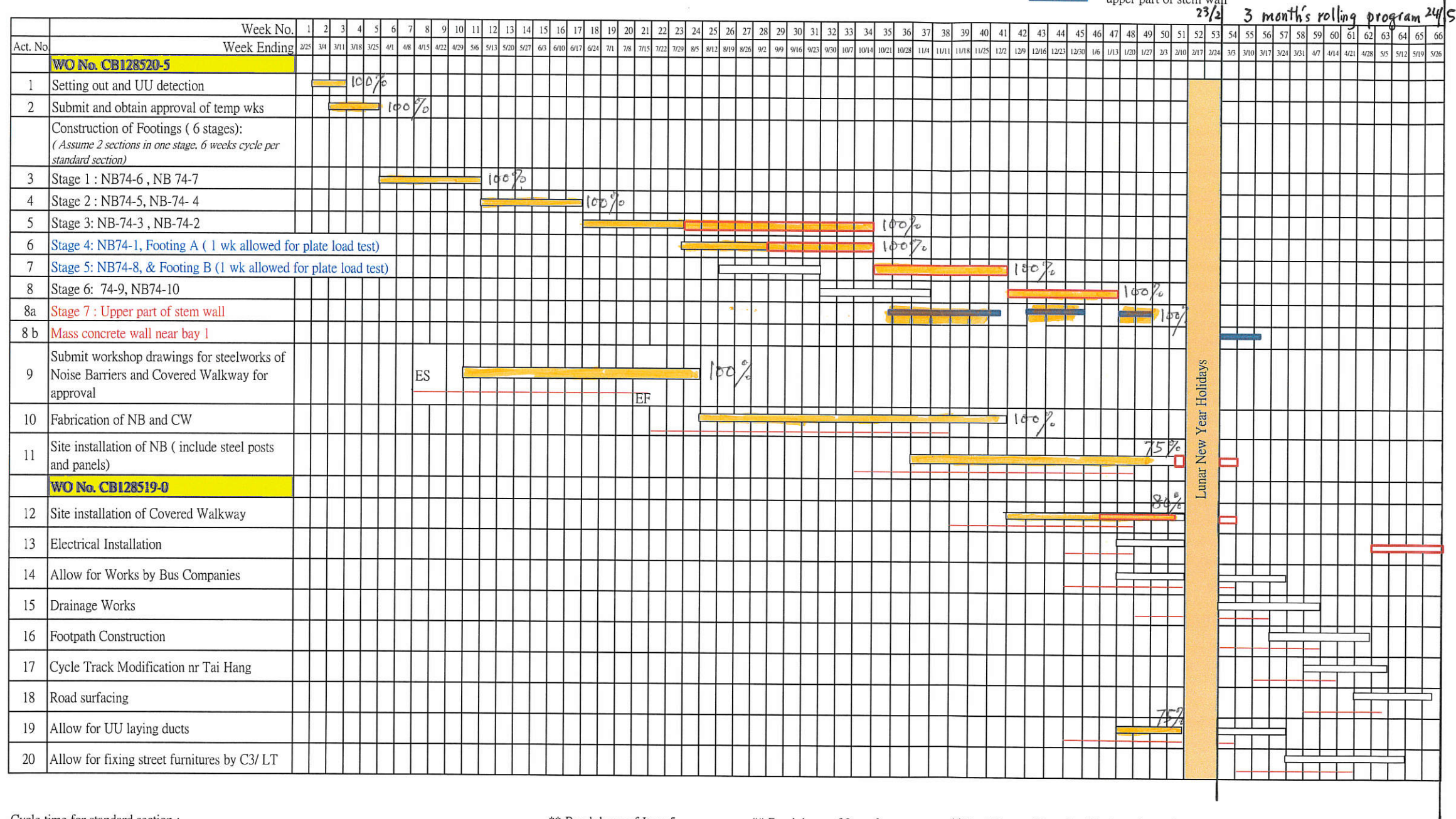
Contract No. 02/HY/2015

Works Order Nos: CB128519-0 & CB128520-5

Programme of Construction of Noise Barrier and Pedestrian Covered Walkway at Tai Wo Service Road East near Ho Ka Yuen

- Revised Program Duration
- Programmed Duration
- Actual Progress
- Critical Path Activities
- Early Start & Early Finish
- Float = 3 weeks
- upper part of stem wall

Rev	Date	Description
00	28/02/17	initial issue
01	29/03/17	refer RE's comments
02	22/5/17	add plate load test program
03	28/9/2017	revise program of task 5-8
04	23/1/2018	add mass wall & revise installation of NB & BBI



Cycle time for standard section :

Item	Activity	Approx Qty	Days for Construction (Calendar Days)
1	Sheet-piling with struts	24 x 7 = 168M <sup>2</sup>	10 days
2	Excavation	12 x 6 x 6 = 432 M <sup>3</sup>	7 days
3	Rock Fill ( assumed)	12 x 2 = 24 M <sup>3</sup>	2 days
4	Blinding Layer		1 day
5	Fwk-Rebar- Concreting	110 M <sup>3</sup>	10 days **
6	Posts for Covered Walkway		7 days ##
7	Backfilling	290M <sup>3</sup>	5 days
			Total = 42 days

\*\* Breakdown of Item 5

	Base Slab calendar days	Stem calendar days
Fwk	1	2
Re-bar	1	3
Concreting	1	1
Remove Fwk		1
Total :	10 days	

## Breakdown of Item 6

	Posts calendar days
Fwk	2
Re-bar	3
Concreting	1
Remove Fwk	1
Total :	7 days

\$\$ Breakdown of Item 8a ( for 2 sections of stem wall)

	Posts calendar days
Fwk	4
Re-bar	2
Concreting	1
Fix HD bolts	2
Remove Fwk	1
Total :	10 days

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**CONSTRUCTION PROGRAMME OF  
MARCH 2018**

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Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								Mar	Apr	May	Jun	
<b>Contract Condition</b>												
<b>General</b>												
<b>Contract Condition</b>												
<b>Contract Condition</b>												
KD14	KD-14 1523d) - S4: Achievement: Rd widening of Fanling Highway @	0%	0	0		20-Mar-18	84					20-Mar-18* ◆ KD-14 1523d) - S4: Achievement: Rd widening of Fanling Highway @ SBZ1 (expt. fi
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Mar-18		842					◆ Site Area SA323A (360d) (not required)
POSSA327	Site Area SA327 (180d)	0%	0	0	20-Mar-18*		-1174					◆ Site Area SA327 (180d)
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-Mar-18*		-976					◆ Site Area SA327A (730d)
POSSA345	Site Area SA345 (0d)	0%	0	0	20-Mar-18*		-841					◆ Site Area SA345 (0d)
<b>ZONE 1 (Ch. 5640 to 5880)</b>												
<b>Noise Barrier Along Fanling Highway N/B</b>												
<b>NB43B (Ch.5640-5880)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB01220	NB43B-1 - Footing & Wall Structure	35%	26	40	08-Jan-18 A	23-Apr-18	-2					
NB01225	NB43B-1 (0-100m) - Drainage Works	0%	24	24	24-Apr-18	23-May-18	-2					
NB01230	NB43B-1 - backfilling	0%	12	12	24-May-18	06-Jun-18	88					
NB01240	NB43B-1 - NB production	0%	45	45	24-Apr-18	07-Jun-18	347					
NB01250	NB43B-1 - NB post & panel installation	0%	5	5	08-Jun-18	13-Jun-18	282					
NB01270	NB43B-2 - Footing & Wall Structure	0%	40	40	13-Jan-18 A	10-May-18	6					
NB01275	NB43B-2 (100-200m) - Drainage Works	0%	24	24	24-May-18	21-Jun-18	-2					
NB01290	NB43B-2 - NB production	0%	45	45	11-May-18	24-Jun-18	330					
NB01320	NB43B-3 - Footing & Wall Structure	36.07%	39	61	25-Nov-17 A	09-May-18	7					
NB01340	NB43B-3 - NB production	0%	45	45	10-May-18	23-Jun-18	331					
<b>ZONE 2 (Ch. 5880 to 6930)</b>												
<b>General</b>												
<b>DRM Proposal</b>												
<b>DRM Proposal</b>												
ADVZ20284	Demolish existing TW bridge & TH bridge	10%	9	10	27-Feb-18 A	03-Apr-18	5					
ADVZ20285	Road work for Lane 2,3,4 from TH to TW bridge	0%	8	8	06-Apr-18	14-Apr-18	4					
ADVZ20286	Road work for TWSR-W to FLHY transition	0%	1	1	16-Apr-18	16-Apr-18	4					
ADVZ20288	TTA stage 3 - All N/B NB working space available	0%	0	0	17-Apr-18		4					◆ TTA stage 3 - All N/B NB working space available
ADVZ20290	NB at FLHY N/B construction Period (Zone 2)	31.33%	206	300	20-Nov-17 A	27-Nov-18	-2					
ADVZ20310	NB at FLHY N/B construction Period (Zone 1)	46.34%	110	205	05-Oct-17 A	03-Aug-18	40					
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>												
<b>NB54A (Ch.6290-6350)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB00790	NB54A - NB post & panel installation	0%	10	5	15-Jan-18 A	03-Apr-18	320					
<b>Noise Barrier Along Fanling Highway N/B</b>												
<b>NB43A (Ch.5880-6060)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB001080	NB43A- ID1-2 piling (0.19m -18no)-1 rigs	0%	18	18	20-Mar-18	13-Apr-18	22					
NB001090	NB43A - ID1-2 Sheet piling & Excavation	0%	10	10	11-May-18	23-May-18	6					
NB001100	NB43A - ID1-2 Footing & Wall Structure	0%	40	40	24-May-18	11-Jul-18	6					
NB01520	NB43A-1 - Footing & Wall Structure	55.56%	36	81	25-Nov-17 A	05-May-18	6					
NB01540	NB43A-1 - NB production	0%	45	45	05-May-18	19-Jun-18	310					
NB01560	NB43A-2 (86.8-166.7m) - Sheet piling & Excavation	0%	18	18	07-May-18	28-May-18	6					
NB01570	NB43A-2 - Footing & Wall Structure	0%	60	60	29-May-18	08-Aug-18	6					
<b>NB50 (Ch.6060-6130)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB001150	NB50 -piling (0.19m -28no)	0%	28	28	17-Apr-18	19-May-18	4					
NB001160	NB50 -Sheet piling & Excavation	0%	15	15	21-May-18	07-Jun-18	21					
NB001170	NB50 -Footing & Wall Structure	0%	60	60	08-Jun-18	18-Aug-18	21					
<b>NB50A (Ch.6130-6450)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB001220	NB50A - ID2-2 piling (0.19m -18no)	0%	18	18	21-May-18	11-Jun-18	4					
NB001230	NB50A - ID2-2 Sheet piling & Excavation	0%	12	12	12-Jun-18	26-Jun-18	4					
NB01606	NB50A (0-108m)(NB50A/1-11, 0.19m -60nos) Piling (s3)	0%	60	60	17-Apr-18	28-Jun-18	40					
NB01656	NB50A (132-228m)(NB50A/12-S2, 0.19m -44nos) & FVMS1 (8 nos)	0%	52	52	17-Apr-18	19-Jun-18	20					
NB01706	NB50A (228-309m)(NB50A/S4-S5, 0.19m -18nos) & ADS1 (8nos)Piling	0%	26	26	17-Apr-18	17-May-18	64					
NB01710	NB50A (225-311m) - Sheet piling & Excavation	0%	12	12	18-May-18	01-Jun-18	74					
NB01720	NB50A-3 - Footing & Wall Structure	0%	48	48	02-Jun-18	30-Jul-18	74					
<b>NB60 (Ch.6450-6920)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB01770	NB60 (15-63m)(NB60/1-4, 0.19m -16nos) Piling	0%	16	16	18-May-18	06-Jun-18	64					
NB01840	NB60-2 (63-174m)(NB60/5-15, 0.19m -64nos) Piling	56.25%	28	64	15-Jan-18 A	25-Apr-18	20					
NB01850	NB60-2 (63-174m) - Sheet piling & Excavation	0%	18	18	26-Apr-18	17-May-18	20					
NB01860	NB60-2 - Footing & Wall Structure	0%	60	60	18-May-18	30-Jul-18	20					

Project ID: WP Rev 06 (1803)  
 Layout: 3 Month Rolling Program  
 Page 1 of 5

**Contract No. HY/2012/06**  
**Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange**  
**3 Month Rolling Program(20-Mar-18)**



Date	Revision	C.A...
28-Aug-15	WP Rev 2	
07-Apr-16	WP Rev 3	
08-Nov-16	WP Rev 4	
17-Aug-17	WP Rev 5	
26-Jan-18	WP Rev 6	



Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Mar	Apr	May	Jun
NB01910	NB60 ID3-2 (174-192m) 0.19m -18nos Piling	33.33%	12	18	15-Mar-18 A	06-Apr-18	19				
NB01920	NB60-ID3-2 ((174-192m) - Sheet piling & Excavation	0%	18	18	07-Apr-18	27-Apr-18	19				
NB01930	NB60-ID3-2 - Footing & Wall Structure	0%	50	50	28-Apr-18	28-Jun-18	70				
NB01980	NB60 (192-300m)(NB60/16-25, 0.19m -40nos) Piling	50%	20	40	01-Feb-18 A	16-Apr-18	29				
NB01990	NB60-3 (192-300m) - Sheet piling & Excavation	0%	15	15	28-Apr-18	16-May-18	19				
NB02000	NB60-3 (192-300m) - Footing & Wall Structure	0%	60	60	17-May-18	28-Jul-18	19				
<b>Bridge Construction</b>											
<b>New Tai Hang Footbridge</b>											
<b>TWSR-West/ FL Highway N/B Side Section</b>											
THBF0620	Finishes Work	79.15%	64	307	27-Feb-17 A	08-Jun-18	266				
THBF0625	Bridge Structure complete (THFB-TWSR-W side)	0%	0	0		08-Jun-18	266				08-Jun-18 ♦ Bridge S
<b>Crossing Fanling Highway Section</b>											
THBF0590	Finishes Work	0%	60	60	20-Mar-18	04-Jun-18	270				
THBF0600	Bridge Structure complete (THFB-Cross fanling highway)	0%	0	0		04-Jun-18	270				04-Jun-18 ♦ Bridge Struc
<b>TWSR-East FL Highway S/B Side Section</b>											
THBF0470	THAB1 - pile cap & abutment wall	88.97%	45	408	21-Nov-16 A	12-Jul-18	159				
THBF0800	ABWF work	0%	30	30	20-Mar-18	27-Apr-18	300				
<b>Lift at TWSR-W Side</b>											
L1530	Structural Laminated glass wall installation	0%	30	30	20-Mar-18	27-Apr-18	197				
L1550	Metal cover on RC platform	0%	30	30	20-Mar-18	27-Apr-18	180				
L1555	Glass canopy on ground level	0%	30	30	28-Apr-18	04-Jun-18	270				
L1560	Lift installation (NF115)	0%	70	70	28-Apr-18	23-Jul-18	197				
L1590	E&M and Finishes work	0%	120	120	28-Apr-18	19-Sep-18	180				
<b>Lift at FLHY S/B</b>											
L1370	Lift shaft & roof	88.89%	46	414	20-Sep-16 A	17-May-18	80				
L1380	Structural Laminated glass wall installation	0%	30	30	18-May-18	23-Jun-18	110				
L1390	RC Platform connect to bridge (THSC-2 & TH-P2)	0%	30	30	18-May-18	23-Jun-18	80				
L1450	CLP Power available (by CLP)	84.14%	92	580	21-Jun-16 A	19-Jun-18	223				
<b>New Tai Wo Footbridge</b>											
<b>General</b>											
TWFB1090	Steel Bridge prefabrication (TWFB)	91.49%	37	435	15-Aug-16 A	07-May-18	158				
TWFB1100	Steel Bridge available on site (TWFB)	0%	0	0	08-May-18		158				♦ Steel Bridge available on site (TWFB)
<b>TWSR-West/ FL Highway N/B Side Section</b>											
TWFB1390	Finishes Work	75.11%	59	237	20-May-17 A	02-Jun-18	257				
TWFB1400	Bridge Structure complete (TWFB-TWSR-W side)	0%	0	0		02-Jun-18	257				02-Jun-18 ♦ Bridge Struc
<b>Crossing Fanling Highway Section</b>											
TWFB1440	TWP2 - Pile cap	0%	30	30	17-Apr-18	23-May-18	86				
TWFB1445	TWP2 - Pier and Pier Head	0%	45	45	24-May-18	17-Jul-18	86				
<b>TWSR-East FL Highway S/B Side Section</b>											
TWFB1480	Precautionary work for MTRC I&P area	53.33%	21	45	20-Feb-18 A	17-Apr-18	81				
TWFB1550	TWP3 - Pre-bored H pile (6 nos)	0%	18	18	18-Apr-18	09-May-18	81				
TWFB1570	TWP3 - Pile cap, Pier and Pier Head	0%	75	75	10-May-18	08-Aug-18	81				
<b>Lift at TWSR-W Side</b>											
L1680	Structural Laminated glass wall installation	6.67%	28	30	17-Mar-18 A	25-Apr-18	181				
L1690	RC Link slab connect to bridge	6.67%	28	30	17-Mar-18 A	25-Apr-18	138				
L1700	Metal cover on RC platform	0%	30	30	26-Apr-18	01-Jun-18	138				
L1710	Glass canopy on ground level	0%	30	30	02-Jun-18	09-Jul-18	595				
L1730	Lift submission & ordering period	0%	120	120	20-Mar-18	17-Jul-18	136				
L1770	E&M and Finishes work	0%	120	120	02-Jun-18	25-Oct-18	138				
L1780	CLP Power available (by CLP)	80.15%	105	529	20-Aug-16 A	02-Jul-18	239				
<b>Demolition of Existing Tai Wo Footbridge</b>											
<b>Crossing Fanling Highway Section</b>											
TWFB-DE1070	Demolish existing Tai Wo Footbridge	0%	10	4	20-Mar-18 A	03-Apr-18	5				
TWFB-DE1110	Demolish existing Tai Wo Footbridge complete (across FH)	0%	0	0		03-Apr-18	5				03-Apr-18 ♦ Demolish existing Tai Wo Footbridge complete (across FH)
<b>Signalized Junction</b>											
<b>New Tai Hang Footbridge</b>											
<b>TWSR-West/ FL Highway N/B Side Section</b>											
THBF0670	E-prom ordering by EMSD (Tai hang Junction)	0%	90	90	03-Jun-18	31-Aug-18	128				
<b>Noise Barrier Along Fanling Highway S/B</b>											
<b>NB51 (Ch.5935-6055)-FH S/B Side</b>											
<b>Noise Barrier Works</b>											
NB02300	NB51 ID1-3 (0-25m) - NB production	93.86%	14	228	20-May-17 A	02-Apr-18	388				
NB02310	NB51 ID1-3 (0-25m) - NB post & panel installation	0%	5	5	03-Apr-18	09-Apr-18	316				
<b>NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02430	Precautionary Measure installation	0%	26	26	20-Mar-18	23-Apr-18	131				
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	24-Apr-18	25-May-18	168				
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	26-May-18	06-Aug-18	168				
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	24-Apr-18	05-May-18	131				
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs	0%	27	27	07-May-18	07-Jun-18	131				
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	08-Jun-18	04-Jul-18	131				
NB02590	NB53 (125-180m) - NB production	97.64%	14	593	20-May-16 A	02-Apr-18	388				
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	03-Apr-18	09-Apr-18	316				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								Mar	Apr	May	Jun	
<b>NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02660	NB55 - NB production	94.63%	40	745	15-Jan-16 A	28-Apr-18	362					
NB02670	NB55 - NB post & panel installation	0%	5	5	30-Apr-18	05-May-18	294					
<b>NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02730	NB56 - NB production	97.95%	14	683	20-Feb-16 A	02-Apr-18	388					
NB02740	NB56 - NB post & panel installation	0%	5	5	03-Apr-18	09-Apr-18	316					
<b>NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02790	NB61 (0-50m)- backfilling	44%	28	50	20-Jan-18 A	25-Apr-18	302					
NB02800	NB61 (0-50m) - NB production	68.89%	14	45	20-Jan-18 A	02-Apr-18	388					
NB02810	NB61 (0-50m) - NB post & panel installation	0%	5	5	03-Apr-18	09-Apr-18	316					
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Mar-18	03-May-18	357					
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	04-May-18	09-May-18	291					
<b>NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02920	NB61A (0-50m) - NB production	93.7%	45	714	20-Feb-16 A	03-May-18	357					
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	04-May-18	09-May-18	291					
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	93.34%	57	856	01-Apr-15 A	31-May-18	233					
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	01-Jun-18	25-Jun-18	248					
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	01-Jun-18	15-Jul-18	284					
NB03040	NB61A (75-190m) - NB production	97.81%	15	684	20-Feb-16 A	03-Apr-18	387					
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	04-Apr-18	10-Apr-18	315					
<b>Fanling Highway Construction</b>												
<b>Drainage &amp; Road Works</b>												
<b>Ch 5880-6740</b>												
RDZ41210	Z2 (CH5880-6740) : Fanling Highway N/B - D&R works (lane 2)	36.67%	19	30	20-Feb-18 A	14-Apr-18	4					
RDZ41240	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 4)	85.71%	11	77	25-Oct-17 A	04-Apr-18	109					
RDZ41250	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 3)	0%	60	60	16-Apr-18	27-Jun-18	101					
<b>Other Works</b>												
<b>TCSS Works</b>												
<b>ADS1</b>												
TCSS1970	Back filling & reinstatement road work (2m)	0%	18	18	20-Mar-18	13-Apr-18	222					
<b>FADS1</b>												
TCSS2050	TTA application & Approval - FADS1	0%	90	90	01-Jun-18	15-Sep-18	63					
<b>G55</b>												
TCSS1740	TTA application & Approval - G55	0%	90	90	25-Apr-18	11-Aug-18	63					
<b>South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)</b>												
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>												
<b>NB64 &amp; NB64A (Ch.6860-6920)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB003350	Bus Shelter footing & shelter near NB64 - VO86	0%	40	40	20-Mar-18	10-May-18	290					
<b>Noise Barrier Along Fanling Highway N/B</b>												
<b>NB60 (Ch.6450-6920)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB02040	NB60 (300-408m)(NB60/26-S4, 0.19m -26nos) Piling	15.38%	22	26	27-Jan-18 A	18-Apr-18	-4					
NB02050	NB60-4 (300-408m) - Sheet piling & Excavation	0%	12	12	19-Apr-18	03-May-18	-4					
NB02060	NB60-4 - Footing & Wall Structure	0%	50	50	04-May-18	04-Jul-18	-4					
NB02100	NB60 (408-468m)(NB60/35-39, 0.19m -32nos) Piling	0%	32	32	19-Apr-18	28-May-18	62					
NB02101	NB60 (408-468m) FADS1 (8nos) Piling	0%	8	8	29-May-18	06-Jun-18	62					
NB02105	NB60 (408-468m) Staircase S1 - Pre-bored H Pile (16 nos)	39.66%	35	58	06-Feb-18 A	04-May-18	89					
<b>NB66 (Ch.6920-6930)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB02160	NB66 - Footing & Wall Structure	28.57%	15	21	18-Mar-18 A	10-Apr-18	3					
NB02165	NB66 - Drainage Works	0%	18	18	11-Apr-18	02-May-18	47					
NB02170	NB66- backfilling	0%	15	15	17-May-18	04-Jun-18	144					
NB02180	NB66 - NB production	0%	45	45	11-Apr-18	25-May-18	335					
NB02190	NB66 - NB post & panel installation	0%	5	5	05-Jun-18	09-Jun-18	265					
NB03320	Bus Shelter footing - VO86	0%	30	30	11-Apr-18	16-May-18	144					
<b>Bridge Construction</b>												
<b>Kau Lung Hang Vehicular Bridge</b>												
<b>KLH Bridge - West Ramp</b>												
KLH.1290	West Ramp - Planting	0%	21	21	20-Mar-18	17-Apr-18	309					
<b>KLH Bridge - Deck 1</b>												
KLH.3430	Deck 1 - Planting	0%	21	21	20-Mar-18	17-Apr-18	309					
<b>KLH Bridge - Deck 3</b>												
KLH.3500	Deck 3 - Planting	0%	21	21	20-Mar-18	17-Apr-18	341					
<b>KLH Bridge - East Ramp</b>												
KLH.3590	East Ramp - Planting	0%	34	34	20-Mar-18	03-May-18	649					
<b>KLH Bridge - Ramp R1</b>												
Z2.KLH.3610	Ramp R1 - Steel roof	96.07%	11	280	19-Jan-17 A	04-Apr-18	319					
<b>KLH Bridge - Ramp R2</b>												
Z2.KLH.1550	Ramp R2 - Steel roof	93.5%	16	246	14-Mar-17 A	11-Apr-18	314					
<b>KLH Bridge - Staircase S1</b>												

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								Mar	Apr	May	Jun	
Z2.KLH.1460	S1 - Staircase steel work, handrail Shop drawing submission &	0%	90	90	05-Apr-18	03-Jul-18	-6					
<b>Bridge Road Work</b>												
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	20-Mar-18	15-Aug-18	210					
<b>Lift at TWSR-W Side</b>												
L01070	Structural Laminated glass wall installation	0%	11	11	20-Mar-18*	04-Apr-18	230					
L01090	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	20-Mar-18	20-Mar-18	241					
L01100	Lift installation	0%	70	70	06-Apr-18	29-Jun-18	230					
L01130	Finishes work	0%	88	88	06-Apr-18	21-Jul-18	231					
L01140	CLP Power available (by CLP)	94.9%	32	628	04-Apr-16 A	20-Apr-18	350					
<b>Lift at FLHY S/B</b>												
L01230	Structural Laminated glass wall installation	0%	12	12	20-Mar-18*	06-Apr-18	258					
L01250	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	20-Mar-18*	20-Mar-18	270					
L01260	Lift installation	0%	45	45	07-Apr-18	31-May-18	259					
L01270	Lift T&C	0%	14	14	01-Jun-18	14-Jun-18	315					
L01280	EMSD inspection & approval (Assume 7 days is required instead)	0%	7	7	15-Jun-18	21-Jun-18	315					
L01290	Finishes work	0%	60	60	07-Apr-18	19-Jun-18	258					
L01300	CLP Power available (by CLP)	91.24%	63	719	04-Apr-16 A	21-May-18	325					
<b>Signalized Junction</b>												
<b>Kau Lung Hang Vehicular Bridge</b>												
<b>KLH Bridge - West Ramp</b>												
Z2.KLH.1032	Installation of Traffic Signal Poles at TWSR-W N/B (KLHVB)	0%	21	21	20-Mar-18*	17-Apr-18	303					
Z2.KLH.1062	E-prom ordering by EMSD (KLHVB)	0%	90	90	25-Mar-18	22-Jun-18	222					
<b>Noise Barrier Along Fanling Highway S/B</b>												
<b>NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB03110	NB62 (0-80m) - NB production	0%	45	45	20-Mar-18	03-May-18	357					
NB03120	NB62 (0-80m) - NB post & panel installation	0%	5	5	04-May-18	09-May-18	291					
NB03150	NB62 (80-110m) Under bridge - backfilling	0%	14	14	20-Mar-18	09-Apr-18	311					
NB03160	NB62 (80-110m) Under bridge - NB production	0%	45	45	20-Mar-18	03-May-18	357					
NB03170	NB62 (80-110m) Under bridge - NB post & panel installation	0%	5	5	04-May-18	09-May-18	291					
NB03200	NB62 (110-170m) - backfilling	0%	20	20	20-Mar-18	16-Apr-18	305					
NB03210	NB62 (110-170m) - NB production	0%	45	45	20-Mar-18	03-May-18	357					
NB03220	NB62 (110-170m) - NB post & panel installation	0%	5	5	04-May-18	09-May-18	291					
<b>Fanling Highway Construction</b>												
<b>Drainage &amp; Road Works</b>												
<b>Ch 6740-6930</b>												
RDZ20490	Z2 (CH6740-6930) : Fanling Highway S/B - D&R works (lane 4)	61.04%	30	77	25-Oct-17 A	27-Apr-18	300					
RDZ20500	Z2 (CH6740-6930) : Fanling Highway S/B - D&R works (lane 3)	0%	24	24	16-Apr-18	14-May-18	287					
<b>North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)</b>												
<b>Bridge Construction</b>												
<b>New Ho Ka Yuen Footbridge</b>												
<b>TWSR-West/ FL Highway N/B Side Section</b>												
HKY1440	Remaining Finishes works of HKYFB	84.76%	57	374	21-Nov-16 A	31-May-18	260					
HKY1520	VO11 - slope improvement work	0%	45	45	01-Jun-18	25-Jul-18	260					
<b>TWSR-East FL Highway S/B Side Section</b>												
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	73.68%	100	380	13-Oct-16 A	23-Jul-18	262					
<b>ZONE 4 (Ch. 7925 to 8700)</b>												
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>												
<b>Underground Utility Works</b>												
<b>DN450 DI Watermain "A" (Ch 1989-2529)</b>												
DI0170	DN450 DI watermain laying (350-400m)	0%	30	30	20-Mar-18	27-Apr-18	192					
DI0180	DN450 DI watermain laying (400-450m)	0%	30	30	28-Apr-18	04-Jun-18	192					
DI0190	DN450 DI watermain laying (450-500m)	0%	30	30	05-Jun-18	11-Jul-18	192					
<b>Noise Barrier Along Fanling Highway N/B</b>												
<b>NB75 (Ch.7930-8090)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB4090	NB75 - NB post & panel installation (Ch7930-7990)	0%	5	5	20-Dec-17 A	24-Mar-18	192					
NB4150	NB75 - NB post & panel installation (Ch7990-8000)	0%	5	5	28-Dec-17 A	24-Mar-18	192					
NB4210	NB75 - NB post & panel installation (Ch8000-8050)	0%	5	5	20-Dec-17 A	24-Mar-18	192					
NB4260	NB75 - NB production (Ch8050-8090)	66.67%	15	45	20-Nov-17 A	03-Apr-18	222					
NB4270	NB75 - NB post & panel installation (Ch8050-8090)	0%	5	5	04-Apr-18	10-Apr-18	182					
NB4280	NB75 complete	0%	0	0		10-Apr-18	182					
<b>NB77 (Ch.8090-8450)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB4310	NB77 - Footing & Wall Structure (Ch8090-8190)	89.88%	17	168	20-Jul-17 A	12-Apr-18	25					
NB4320	NB77 - backfilling (Ch8090-8190)	0%	20	20	19-May-18	12-Jun-18	55					
NB4330	NB77 - NB production (Ch8090-8190)	0%	45	45	13-Apr-18	27-May-18	156					
NB4340	NB77 - NB post & panel installation (Ch8090-8190)	0%	15	15	13-Jun-18	30-Jun-18	115					
NB4390	NB77 - NB production (Ch8190-8290)	0%	45	45	20-Mar-18	03-May-18	180					
NB4400	NB77 - NB post & panel installation (Ch8190-8290)	0%	15	15	04-May-18	21-May-18	148					
NB4430	NB77 - Footing & Wall Structure (Ch8290-8390)	75%	27	106	03-Nov-17 A	24-Apr-18	96					
NB4450	NB77 - NB production (Ch8290-8390)	0%	45	45	24-Apr-18	08-Jun-18	145					
NB4482	NB77 - Footing & Wall Structure (NB77/27 - 28, N1-N2)	0%	50	50	20-Mar-18	23-May-18	30					

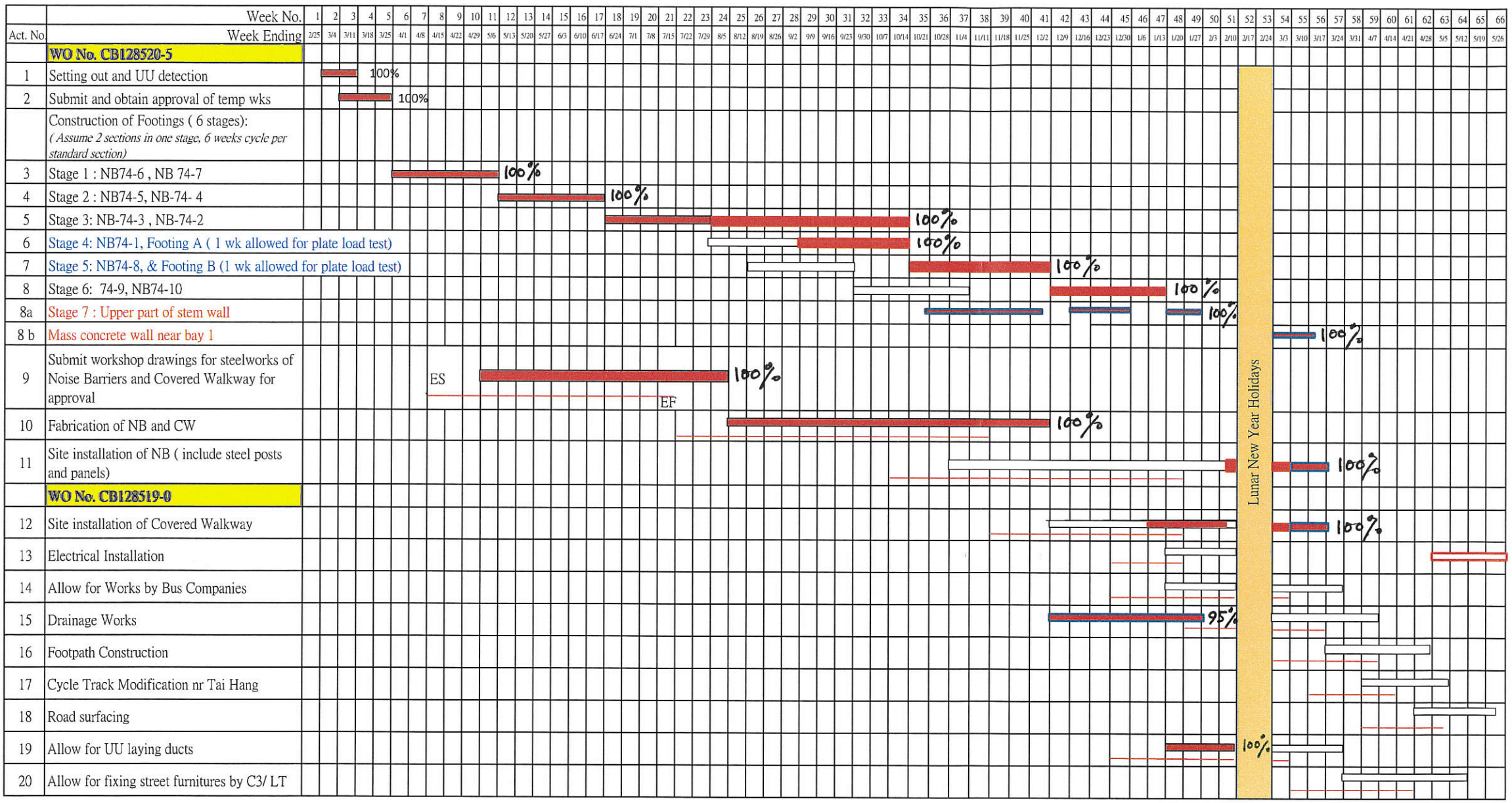


Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Mar	Apr	May	Jun
NB4490	NB77 - Footing & Wall Structure (NB77/31 - 32, 0.19m & G35)	0%	50	50	24-May-18	23-Jul-18	30				
NB4620	NB77 Drainage Works	0%	100	100	13-Apr-18	11-Aug-18	25				
<b>Bridge Construction</b>											
<b>New Wo Hop Shek Pedstrian &amp; Cycle Bridge</b>											
<b>TWSR-West/ FL Highway N/B Side Section</b>											
WHS1390	WHSAB2, P8, P9 - Backfilling (~3m)	0%	20	20	20-Mar-18	16-Apr-18	120				
WHS1400	2nd half Steel Ramp ready for erection (WHS-TWSR-W side)	0%	0	0		16-Apr-18	120				
WHS1410	Erect 2nd half Ramp	0%	60	60	11-May-18	23-Jul-18	100				
WHS2120	Ramp fabrication	44.44%	40	72	07-Feb-18 A	10-May-18	100				
<b>Crossing Fanling Highway Section</b>											
WHS1510	TTA for new WHS bridge submission & approval	40%	36	60	20-Feb-18 A	05-May-18	290				
WHS1520	Remove railing	0%	12	12	07-May-18	19-May-18	290				
WHS1530	Bridge floor marking	0%	6	6	21-May-18	28-May-18	290				
WHS1540	Install bollards	0%	18	18	29-May-18	19-Jun-18	290				
<b>VO - Wall 76A Construction</b>											
<b>Retaining Wall W76A</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
W76A1060	Road work for Caltex access road	53.33%	70	150	16-Jan-18 A	15-Jun-18	292				
<b>Fanling Highway Construction</b>											
<b>Drainage &amp; Road Works</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RDZ41102	Construct FH N/B Lane 1 (at NBZ2)	55%	9	20	20-Feb-18 A	29-Mar-18	73				
RDZ41104	Construct FH N/B Lane 2 (at NBZ2)	0%	20	20	03-Apr-18	26-Apr-18	73				
RDZ41106	Construct FH N/B Lane 3 (at NBZ2)	0%	20	20	27-Apr-18	21-May-18	73				
RDZ41108	Construct FH N/B Lane 4 (at NBZ2)	0%	20	20	23-May-18	14-Jun-18	73				
RDZ41131	Drainage work at central divider (Ch8100-8600)	79.33%	31	150	10-Oct-17 A	28-Apr-18	101				
RDZ41135	Construct FHS/B Lane 4 (Ch8100-8600)	0%	45	45	30-Apr-18	23-Jun-18	101				
<b>Other Works</b>											
<b>Retaining Wall W78</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RWZ4.0910	Demolition of existing retaining wall (Instructed in 2-Jun-17 ad-hoc site)	0%	35	35	12-Jun-18	24-Jul-18	2				
RWZ4.1010	Base slab & Wall (6-11m high)- RW78 (Ch.0-50)	40%	66	110	02-Jan-18 A	11-Jun-18	2				
<b>Slope Works</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
S1030	Slope S53-Fill ~5m	0%	110	110	20-Mar-18	03-Aug-18	87				
S1040	Slope S54A-Cut ~4m	0%	40	40	20-Mar-18	10-May-18	286				
S1050	Slope S54B-Cut ~5m	0%	40	40	20-Mar-18	10-May-18	286				
<b>TCSS Works</b>											
<b>TCSS Pre-Construction Works</b>											
TCSS0120	Prepare Shop Drawing-TCSS	80%	6	30	20-Dec-17 A	26-Mar-18	108				
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	27-Mar-18	16-Apr-18	135				
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	17-Apr-18	08-May-18	112				
TCSS0150	Confirm Shop drawing & ready for material ordering & factory	0%	0	0		08-May-18	112				
TCSS0160	Raw material procurement	38.89%	110	180	09-Jan-18 A	07-Jul-18	74				
<b>G34</b>											
TCSS1530	Fast lane footing - G34 (CH7990, N/B)	0%	30	30	10-May-18	14-Jun-18	143				
TCSS1780	TTA application & Approval - G34 (Z4)	0%	90	90	25-Apr-18	11-Aug-18	95				
<b>G36</b>											
TCSS1820	TTA application & Approval - G36 (Z4)	0%	90	90	01-Jun-18	15-Sep-18	95				
<b>FADS8</b>											
TCSS1630	Fast lane footing - FADS8 (CH8220, S/B)	0%	30	30	30-Apr-18	05-Jun-18	241				

CHIU HING CONSTRUCTION AND TRANSPORTATION CO. LTD.  
 Contract No. 02/HY/2015  
 Works Order Nos: CB128519-0 & CB128520-5  
 Programme of Construction of Noise Barrier and Pedestrian Covered Walkway at Tai Wo Service Road East near Ho Ka Yuen

— Revised Program Duration  
— Programmed Duration  
— Actual Progress  
— Critical Path Activities  
— Early Start & Early Finish  
 Float = 3 weeks  
— upper part of stem wall

Rev	Date	Description
00	28/02/17	initial issue
01	29/03/17	refer RE's comments
02	22/5/17	add plate load test program
03	28/9/2017	revise program of task 5-8
04	23/1/2018	add mass wall & revise installation of NB & BBI



Cycle time for standard section :

Item	Activity	Approx Qty	Days for Construction (Calendar Days)
1	Sheet-piling with struts	24 x 7 = 168M <sup>2</sup>	10 days
2	Excavation	12 x 6 x 6 = 432 M <sup>3</sup>	7 days
3	Rock Fill ( assumed)	12 x 2 = 24 M <sup>3</sup>	2 days
4	Blinding Layer		1 day
5	Fwk-Rebar- Concreting	110 M <sup>3</sup>	10 days **
6	Posts for Covered Walkway		7 days ##
7	Backfilling	290M <sup>3</sup>	5 days
			Total = 42 days

\*\* Breakdown of Item 5

	Base Slab calendar days	Stem calendar days
Fwk	1	2
Re-bar	1	3
Concreting	1	1
Remove Fwk		1
Total :	10 days	

## Breakdown of Item 6

	Posts calendar days
Fwk	2
Re-bar	3
Concreting	1
Remove Fwk	1
Total :	7 days

\$\$Breakdown of Item 8a ( for 2 sections of stem wall)

	Posts calendar days
Fwk	4
Re-bar	2
Concreting	1
Fix HD bolts	2
Remove Fwk	1
Total :	10 days



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**CONSTRUCTION PROGRAMME OF  
APRIL 2018**

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Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Apr	May	Jun	Jul
<b>Contract Condition</b>											
<b>General</b>											
<b>Contract Condition</b>											
<b>Contract Condition</b>											
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Apr-18		811				
POSSA327	Site Area SA327 (180d)	0%	0	0	20-Apr-18*		-1205				
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-Apr-18*		-1007				
POSSA345	Site Area SA345 (0d)	0%	0	0	20-Apr-18*		-872				
<b>ZONE 1 (Ch. 5640 to 5880)</b>											
<b>Noise Barrier Along Fanling Highway N/B</b>											
<b>NB43B (Ch.5640-5880)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB01211	CLP 11kV diversion (by CLP) complete	0%	0	0		19-May-18	0				19-May-18* ◆ CLP 11kV diversion (by CLP) complete
NB01213	Road work & TTA (by CLP)	0%	6	6	19-May-18	26-May-18	23				
NB01215	1200 & 450m watermain work	0%	26	26	28-May-18	27-Jun-18	23				
NB01217	NB43B-1 - Footing & Wall Structure (bay 1-2)	0%	26	26	28-Jun-18	28-Jul-18	23				
NB01220	NB43B-1 - Footing & Wall Structure (bay 3-8)	88.1%	10	84	08-Jan-18 A	02-May-18	81				
NB01225	NB43B-1 (0-100m) - Drainage Works	0%	24	24	13-Jul-18	09-Aug-18	23				
NB01240	NB43B-1 - NB production	0%	45	45	03-May-18	16-Jun-18	338				
NB01270	NB43B-2 - Footing & Wall Structure (bay 9-16)	36.56%	59	93	13-Jan-18 A	30-Jun-18	32				
NB01275	NB43B-2 (100-200m) - Drainage Works	0%	24	24	03-Jul-18	30-Jul-18	32				
NB01290	NB43B-2 - NB production	0%	45	45	30-Jun-18	14-Aug-18	279				
NB01325	NB43B-3 (200-260m) - Drainage Works	0%	24	24	20-Apr-18	18-May-18	73				
NB01330	NB43B-3 - backfilling	0%	12	12	19-May-18	02-Jun-18	91				
NB01340	NB43B-3 - NB production	0%	45	45	20-Apr-18	03-Jun-18	351				
NB01350	NB43B-3 - NB post & panel installation	0%	5	5	04-Jun-18	08-Jun-18	286				
<b>ZONE 2 (Ch. 5880 to 6930)</b>											
<b>General</b>											
<b>DRM Proposal</b>											
<b>DRM Proposal</b>											
ADVZ20285	Road work for Lane 2,3,4 from TH to TW bridge	12.5%	7	8	06-Apr-18 A	27-Apr-18	-7				
ADVZ20286	Road work for TWSR-W to FLHY transition	0%	1	1	28-Apr-18	28-Apr-18	-7				
ADVZ20288	TTA stage 3 - All N/B NB working space available	0%	0	0	30-Apr-18		-7				◆ TTA stage 3 - All N/B NB working space available
ADVZ20290	NB at FLHY N/B construction Period (Zone 2)	33%	203	303	20-Nov-17 A	20-Dec-18	-22				
ADVZ20310	NB at FLHY N/B construction Period (Zone 1)	57.38%	104	244	05-Oct-17 A	23-Aug-18	23				
<b>Noise Barrier Along Fanling Highway N/B</b>											
<b>NB43A (Ch.5880-6060)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB001090	NB43A - ID1-2 Sheet piling & Excavation	0%	10	10	20-Apr-18	02-May-18	47				
NB001100	NB43A - ID1-2 Footing & Wall Structure	0%	40	40	03-May-18	20-Jun-18	47				
NB001105	NB43A - ID1-2 Drainage Works	0%	24	24	21-Jun-18	19-Jul-18	47				
NB001120	NB43A - ID1-2 NB production	0%	45	45	21-Jun-18	04-Aug-18	264				
NB01525	NB43A-1 (0-61.5m) - Drainage Works	0%	24	24	20-Apr-18	18-May-18	145				
NB01530	NB43A-1 - backfilling	0%	12	12	19-May-18	02-Jun-18	145				
NB01540	NB43A-1 - NB production	0%	45	45	20-Apr-18	03-Jun-18	326				
NB01550	NB43A-1 - NB post & panel installation	0%	5	5	04-Jun-18	08-Jun-18	266				
NB01560	NB43A-2 (86.8-166.7m) - Sheet piling & Excavation (bay 7-14)	0%	18	18	02-Apr-18 A	11-May-18	103				
NB01570	NB43A-2 - Footing & Wall Structure (bay 7-14)	0%	91	60	03-Apr-18 A	08-Aug-18	30				
<b>NB50 (Ch.6060-6130)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB001150	NB50 -piling (0.19m -28no)	0%	28	28	30-Apr-18	02-Jun-18	-7				
NB001160	NB50 -Sheet piling & Excavation	0%	15	15	04-Jun-18	21-Jun-18	34				
NB001170	NB50 -Footing & Wall Structure	0%	60	60	22-Jun-18	31-Aug-18	34				
<b>NB50A (Ch.6130-6450)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB001220	NB50A - ID2-2 piling (0.19m -18no)	0%	18	18	04-Jun-18	25-Jun-18	-7				
NB001230	NB50A - ID2-2 Sheet piling & Excavation	0%	12	12	26-Jun-18	10-Jul-18	-7				
NB001240	NB50A - ID2-2 Footing & Wall Structure	0%	50	50	11-Jul-18	06-Sep-18	-7				
NB01606	NB50A (0-108m)(NB50A/1-11, 0.19m -60nos) Piling (s3)	0%	60	60	30-Apr-18	12-Jul-18	29				
NB01610	NB50A (0-108m) - Sheet piling & Excavation	0%	12	12	13-Jul-18	26-Jul-18	29				
NB01656	NB50A (132-228m)(NB50A/12-S2, 0.19m -44nos) & FVMS1 (8 nos)	0%	52	52	30-Apr-18	03-Jul-18	9				
NB01660	NB50A (132-228m) - Sheet piling & Excavation	0%	10	10	04-Jul-18	14-Jul-18	9				
NB01670	NB50A (132-228m) - Footing & Wall Structure	0%	48	48	16-Jul-18	08-Sep-18	9				
NB01706	NB50A (228-309m)(NB50A/S4-S5, 0.19m -18nos) & ADS1 (8nos)Piling	0%	26	26	30-Apr-18	31-May-18	53				
NB01710	NB50A (225-311m) - Sheet piling & Excavation	0%	12	12	01-Jun-18	14-Jun-18	63				

	Project ID: WP Rev 06 (1804)	<b>Contract No. HY/2012/06</b> <b>Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange</b> <b>3 Month Rolling Program(20-Apr-18)</b>		Date	Revision	C...	A...
	Layout: 3 Month Rolling Program			28-Aug-15	WP Rev 2		
Page 1 of 5				07-Apr-16	WP Rev 3		
				08-Nov-16	WP Rev 4		
				17-Aug-17	WP Rev 5		
				28-Mar-18	WP Rev 6		

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Apr	May	Jun	Jul
NB01720	NB50A-3 - Footing & Wall Structure	0%	48	48	15-Jun-18	11-Aug-18	63				
<b>NB60 (Ch.6450-6920)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB01770	NB60 (15-63m)(NB60/1-4, 0.19m -16nos) Piling	0%	16	16	01-Jun-18	20-Jun-18	53				
NB01850	NB60-2 (63-174m) - Sheet piling & Excavation	0%	18	18	20-Apr-18	11-May-18	25				
NB01860	NB60-2 - Footing & Wall Structure	0%	60	60	12-May-18	24-Jul-18	25				
NB01920	NB60-ID3-2 ((174-192m) - Sheet piling & Excavation	61.11%	7	18	29-Mar-18 A	27-Apr-18	19				
NB01930	NB60-ID3-2 - Footing & Wall Structure	0%	50	50	28-Apr-18	28-Jun-18	70				
NB01935	NB60-ID3-2 ((174-192m) - Drainage Works	0%	18	18	29-Jun-18	20-Jul-18	70				
NB01950	NB60-ID3-2 - NB production	0%	45	45	29-Jun-18	12-Aug-18	256				
NB01980	NB60 (192-300m)(NB60/16-25, 0.19m -40nos) Piling	75.44%	14	57	01-Feb-18 A	07-May-18	12				
NB01990	NB60-3 (192-300m) - Sheet piling & Excavation	0%	15	15	08-May-18	25-May-18	12				
NB02000	NB60-3 (192-300m) - Footing & Wall Structure	0%	60	60	26-May-18	06-Aug-18	12				
<b>Bridge Construction</b>											
<b>New Tai Hang Footbridge</b>											
<b>TWSR-West/ FL Highway N/B Side Section</b>											
THBF0620	Finishes Work	83.07%	64	378	27-Feb-17 A	07-Jul-18	243				
THBF0625	Bridge Structure complete (THFB-TWSR-W side)	0%	0	0		07-Jul-18	243				07-Jul-18 ◆ Bridge St
<b>Crossing Fanling Highway Section</b>											
THBF0590	Finishes Work	0%	60	60	20-Apr-18	03-Jul-18	247				
THBF0600	Bridge Structure complete (THFB-Cross fanling highway)	0%	0	0		03-Jul-18	247				03-Jul-18 ◆ Bridge Struct
<b>TWSR-East FL Highway S/B Side Section</b>											
THBF0470	THAB1 - pile cap & abutment wall	90.61%	45	479	21-Nov-16 A	21-Jul-18	151				
THBF0800	ABWF work	0%	30	30	20-Apr-18	26-May-18	277				
<b>Lift at TWSR-W Side</b>											
L1530	Structural Laminated glass wall installation	0%	30	30	20-Apr-18	26-May-18	174				
L1550	Metal cover on RC platform	0%	30	30	20-Apr-18	26-May-18	157				
L1555	Glass canopy on ground level	0%	30	30	28-May-18	03-Jul-18	247				
L1560	Lift installation (NF115)	0%	70	70	28-May-18	18-Aug-18	174				
L1590	E&M and Finishes work	0%	120	120	28-May-18	19-Oct-18	157				
<b>Lift at FLHY S/B</b>											
L1370	Lift shaft & roof	90.52%	46	485	20-Sep-16 A	14-Jun-18	57				
L1380	Structural Laminated glass wall installation	0%	30	30	15-Jun-18	21-Jul-18	87				
L1390	RC Platform connect to bridge (THSC-2 & TH-P2)	0%	30	30	15-Jun-18	21-Jul-18	57				
L1450	CLP Power available (by CLP)	87.38%	92	729	21-Jun-16 A	20-Jul-18	192				
<b>New Tai Wo Footbridge</b>											
<b>General</b>											
TWFB1090	Steel Bridge prefabrication (TWFB)	87.94%	61	506	15-Aug-16 A	04-Jul-18	111				
TWFB1100	Steel Bridge available on site (TWFB)	0%	0	0	05-Jul-18		111				◆ Steel Bridge
<b>TWSR-West/ FL Highway N/B Side Section</b>											
TWFB1390	Finishes Work	80.84%	59	308	20-May-17 A	30-Jun-18	234				
TWFB1400	Bridge Structure complete (TWFB-TWSR-W side)	0%	0	0		30-Jun-18	234				30-Jun-18 ◆ Bridge Structure
<b>Crossing Fanling Highway Section</b>											
TWFB1440	TWP2 - Pile cap	0%	30	30	30-Apr-18	05-Jun-18	75				
TWFB1445	TWP2 - Pier and Pier Head	0%	45	45	06-Jun-18	30-Jul-18	75				
TWFB1448	Erect Temp tower for TWFB erection at Central Divier	0%	30	30	17-Jul-18	20-Aug-18	71				
<b>TWSR-East FL Highway S/B Side Section</b>											
TWFB1480	Precautionary work for MTRC I&P area	82.22%	8	45	20-Feb-18 A	28-Apr-18	71				
TWFB1550	TWP3 - Pre-bored H pile (6 nos)	0%	18	18	30-Apr-18	21-May-18	71				
TWFB1570	TWP3 - Pile cap, Pier and Pier Head	0%	75	75	23-May-18	20-Aug-18	71				
<b>Lift at TWSR-W Side</b>											
L1680	Structural Laminated glass wall installation	6.67%	28	30	17-Mar-18 A	24-May-18	158				
L1690	RC Link slab connect to bridge	6.67%	28	30	17-Mar-18 A	24-May-18	115				
L1700	Metal cover on RC platform	0%	30	30	25-May-18	29-Jun-18	115				
L1710	Glass canopy on ground level	0%	30	30	30-Jun-18	04-Aug-18	572				
L1730	Lift submission & ordering period	25.83%	89	120	20-Mar-18 A	17-Jul-18	136				
L1740	Lift installation	0%	70	70	18-Jul-18	09-Oct-18	114				
L1770	E&M and Finishes work	0%	120	120	30-Jun-18	21-Nov-18	115				
L1780	CLP Power available (by CLP)	89.15%	74	682	20-Aug-16 A	02-Jul-18	239				
<b>Signalized Junction</b>											
<b>New Tai Hang Footbridge</b>											
<b>TWSR-West/ FL Highway N/B Side Section</b>											
THBF0670	E-prom ordering by EMSD (Tai hang Junction)	0%	90	90	16-Jun-18	13-Sep-18	115				
<b>Noise Barrier Along Fanling Highway S/B</b>											
<b>NB51 (Ch.5935-6055)-FH S/B Side</b>											
<b>Noise Barrier Works</b>											
NB02300	NB51 ID1-3 (0-25m) - NB production	95.6%	14	318	20-May-17 A	03-May-18	357				
NB02310	NB51 ID1-3 (0-25m) - NB post & panel installation	0%	5	5	04-May-18	09-May-18	291				
<b>NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02430	Precautionary Measure installation	0%	26	26	20-Apr-18	21-May-18	108				
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	23-May-18	22-Jun-18	145				
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	23-Jun-18	01-Sep-18	145				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Apr	May	Jun	Jul
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	23-May-18	02-Jun-18	108				
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs	0%	27	27	04-Jun-18	06-Jul-18	108				
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	07-Jul-18	31-Jul-18	108				
NB02590	NB53 (125-180m) - NB production	97.95%	14	683	20-May-16 A	03-May-18	357				
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	04-May-18	09-May-18	291				
<b>NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02660	NB55 - NB production	95.21%	40	835	15-Jan-16 A	29-May-18	331				
NB02670	NB55 - NB post & panel installation	0%	5	5	30-May-18	04-Jun-18	270				
<b>NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02730	NB56 - NB production	98.19%	14	773	20-Feb-16 A	03-May-18	357				
NB02740	NB56 - NB post & panel installation	0%	5	5	04-May-18	09-May-18	291				
<b>NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02790	NB61 (0-50m)- backfilling	62.67%	28	75	20-Jan-18 A	24-May-18	279				
NB02800	NB61 (0-50m) - NB production	80.82%	14	73	20-Jan-18 A	03-May-18	357				
NB02810	NB61 (0-50m) - NB post & panel installation	0%	5	5	04-May-18	09-May-18	291				
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Apr-18	03-Jun-18	326				
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	04-Jun-18	08-Jun-18	266				
<b>NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02920	NB61A (0-50m) - NB production	94.4%	45	804	20-Feb-16 A	03-Jun-18	326				
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	04-Jun-18	08-Jun-18	266				
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	93.85%	57	927	01-Apr-15 A	28-Jun-18	210				
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	29-Jun-18	23-Jul-18	225				
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	29-Jun-18	12-Aug-18	256				
NB03040	NB61A (75-190m) - NB production	98.06%	15	774	20-Feb-16 A	04-May-18	356				
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	05-May-18	10-May-18	290				
<b>Fanling Highway Construction</b>											
<b>Drainage &amp; Road Works</b>											
<b>Ch 5880-6740</b>											
RDZ41210	Z2 (CH5880-6740) : Fanling Highway N/B - D&R works (lane	83.72%	7	43	20-Feb-18 A	27-Apr-18	-7				
RDZ41240	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 4)	79.84%	26	129	25-Oct-17 A	21-May-18	71				
RDZ41250	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 3)	0%	60	60	23-May-18	02-Aug-18	71				
<b>Other Works</b>											
<b>TCSS Works</b>											
<b>ADS1</b>											
TCSS1970	Back filling & reinstatement road work (2m)	0%	18	18	20-Apr-18	11-May-18	199				
<b>FADS1</b>											
TCSS2050	TTA application & Approval - FADS1	0%	90	90	02-Jun-18	17-Sep-18	62				
<b>G55</b>											
TCSS1740	TTA application & Approval - G55	0%	90	90	25-Apr-18	11-Aug-18	63				
<b>South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)</b>											
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>											
<b>NB64 &amp; NB64A (Ch.6860-6920)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB003350	Bus Shelter footing & shelter near NB64 - VO86	0%	40	40	20-Apr-18	07-Jun-18	267				
<b>Noise Barrier Along Fanling Highway N/B</b>											
<b>NB60 (Ch.6450-6920)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB02040	NB60 (300-408m)(NB60/26-S4, 0.19m -26nos) Piling	69.84%	19	63	27-Jan-18 A	12-May-18	-24				
NB02050	NB60-4 (300-408m) - Sheet piling & Excavation	0%	12	12	14-May-18	28-May-18	-24				
NB02060	NB60-4 - Footing & Wall Structure	0%	50	50	29-May-18	27-Jul-18	-24				
NB02100	NB60 (408-468m)(NB60/18B-1 to S6, 0.19m -32nos) Piling	0%	32	32	14-May-18	21-Jun-18	42				
NB02101	NB60 (408-468m) FADS1 (8nos) Piling	0%	8	8	22-Jun-18	30-Jun-18	42				
<b>NB66 (Ch.6920-6930)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB02160	NB66 - Footing & Wall Structure	6.25%	15	16	18-Mar-18 A	08-May-18	-20				
NB02165	NB66 - Drainage Works	0%	18	18	09-May-18	30-May-18	24				
NB02170	NB66- backfilling	0%	15	15	14-Jun-18	03-Jul-18	121				
NB02180	NB66 - NB production	0%	45	45	09-May-18	22-Jun-18	307				
NB02190	NB66 - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242				
NB03320	Bus Shelter footing - VO86	0%	30	30	09-May-18	13-Jun-18	121				
<b>Bridge Construction</b>											
<b>Kau Lung Hang Vehicular Bridge</b>											
<b>KLH Bridge - West Ramp</b>											
KLH.1290	West Ramp - Planting	0%	21	21	20-Apr-18	15-May-18	286				
<b>KLH Bridge - Deck 1</b>											
KLH.3430	Deck 1 - Planting	0%	21	21	20-Apr-18	15-May-18	286				
<b>KLH Bridge - Deck 3</b>											
KLH.3500	Deck 3 - Planting	0%	21	21	20-Apr-18	15-May-18	318				
<b>KLH Bridge - East Ramp</b>											
KLH.3590	East Ramp - Planting	0%	34	34	20-Apr-18	31-May-18	626				
<b>KLH Bridge - Ramp R1</b>											



Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Apr	May	Jun	Jul
Z2.KLH.3610	Ramp R1 - Steel roof	96.87%	11	351	19-Jan-17 A	03-May-18	296				
<b>KLH Bridge - Ramp R2</b>											
Z2.KLH.1550	Ramp R2 - Steel roof	94.95%	16	317	14-Mar-17 A	09-May-18	291				
<b>KLH Bridge - Staircase S1</b>											
Z2.KLH.1460	S1 - Staircase steel work, handrail Shop drawing submission &	0%	90	90	29-Apr-18	27-Jul-18	-30				
<b>Bridge Road Work</b>											
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	20-Apr-18	11-Sep-18	187				
<b>Lift at TWSR-W Side</b>											
L01070	Structural Laminated glass wall installation	0%	11	11	20-Apr-18*	03-May-18	207				
L01090	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	20-Apr-18	20-Apr-18	218				
L01100	Lift installation	0%	70	70	04-May-18	27-Jul-18	207				
L01130	Finishes work	0%	88	88	04-May-18	17-Aug-18	208				
L01140	CLP Power available (by CLP)	95.72%	32	747	04-Apr-16 A	21-May-18	319				
<b>Lift at FLHY S/B</b>											
L01230	Structural Laminated glass wall installation	0%	12	12	20-Apr-18*	04-May-18	235				
L01250	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	20-Apr-18*	20-Apr-18	247				
L01260	Lift installation	0%	45	45	05-May-18	28-Jun-18	236				
L01270	Lift T&C	0%	14	14	29-Jun-18	12-Jul-18	287				
L01280	EMSD inspection & approval (Assume 7 days is required instead)	0%	7	7	13-Jul-18	19-Jul-18	287				
L01290	Finishes work	0%	60	60	05-May-18	17-Jul-18	235				
L01300	CLP Power available (by CLP)	91.9%	63	778	04-Apr-16 A	21-Jun-18	294				
L01310	Lift available - NF117-Lift 2	0%	0	0		19-Jul-18	233				19-Jul-18
<b>Signalized Junction</b>											
<b>Kau Lung Hang Vehicular Bridge</b>											
<b>KLH Bridge - West Ramp</b>											
Z2.KLH.1032	Installation of Traffic Signal Poles at TWSR-W N/B (KLHVB)	0%	21	21	20-Apr-18*	15-May-18	280				
Z2.KLH.1042	Ducting & Cable Draw Installation (KLHVB)	0%	30	30	19-Jul-18	22-Aug-18	162				
Z2.KLH.1062	E-prom ordering by EMSD (KLHVB)	0%	90	90	20-Apr-18	18-Jul-18	196				
<b>Noise Barrier Along Fanling Highway S/B</b>											
<b>NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB03110	NB62 (0-80m) - NB production	0%	45	45	20-Apr-18	03-Jun-18	326				
NB03120	NB62 (0-80m) - NB post & panel installation	0%	5	5	04-Jun-18	08-Jun-18	266				
NB03150	NB62 (80-110m) Under bridge - backfilling	0%	14	14	20-Apr-18	07-May-18	288				
NB03160	NB62 (80-110m) Under bridge - NB production	0%	45	45	20-Apr-18	03-Jun-18	326				
NB03170	NB62 (80-110m) Under bridge - NB post & panel installation	0%	5	5	04-Jun-18	08-Jun-18	266				
NB03200	NB62 (110-170m) - backfilling	0%	20	20	20-Apr-18	14-May-18	282				
NB03210	NB62 (110-170m) - NB production	0%	45	45	20-Apr-18	03-Jun-18	326				
NB03220	NB62 (110-170m) - NB post & panel installation	0%	5	5	04-Jun-18	08-Jun-18	266				
<b>Fanling Highway Construction</b>											
<b>Drainage &amp; Road Works</b>											
<b>Ch 6740-6930</b>											
RDZ20490	Z2 (CH6740-6930) : Fanling Highway S/B - D&R works (lane 4)	79.73%	30	148	25-Oct-17 A	26-May-18	277				
RDZ20500	Z2 (CH6740-6930) : Fanling Highway S/B - D&R works (lane 3)	0%	24	24	23-May-18	20-Jun-18	257				
<b>North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)</b>											
<b>Bridge Construction</b>											
<b>New Ho Ka Yuen Footbridge</b>											
<b>TWSR-West/ FL Highway N/B Side Section</b>											
HKY1440	Remaining Finishes works of HKYFB	87.19%	57	445	21-Nov-16 A	28-Jun-18	237				
HKY1520	VO11 - slope improvement work	0%	45	45	29-Jun-18	21-Aug-18	237				
<b>TWSR-East FL Highway S/B Side Section</b>											
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	80.81%	100	521	13-Oct-16 A	18-Aug-18	239				
<b>ZONE 4 (Ch. 7925 to 8700)</b>											
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>											
<b>Underground Utility Works</b>											
<b>DN450 DI Watermain "A" (Ch 1989-2529)</b>											
DI0180	DN450 DI watermain laying (400-450m)	0%	30	30	20-Apr-18	26-May-18	199				
DI0190	DN450 DI watermain laying (450-500m)	0%	30	30	28-May-18	03-Jul-18	199				
DI0200	DN450 DI watermain laying (500-540m)	0%	30	30	04-Jul-18	07-Aug-18	199				
<b>Noise Barrier Along Fanling Highway N/B</b>											
<b>NB75 (Ch.7930-8090)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB4090	NB75 - NB post & panel installation (Ch7930-7990)	93.42%	5	76	20-Dec-17 A	25-Apr-18	169				
NB4150	NB75 - NB post & panel installation (Ch7990-8000)	92.96%	5	71	28-Dec-17 A	25-Apr-18	169				
NB4210	NB75 - NB post & panel installation (Ch8000-8050)	93.42%	5	76	20-Dec-17 A	25-Apr-18	169				
NB4260	NB75 - NB production (Ch8050-8090)	88.89%	15	135	20-Nov-17 A	04-May-18	191				
NB4270	NB75 - NB post & panel installation (Ch8050-8090)	0%	5	5	05-May-18	10-May-18	157				
NB4280	NB75 complete	0%	0	0		10-May-18	157				10-May-18 ♦ NB75 complete
<b>NB77 (Ch.8090-8450)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB4310	NB77 - Footing & Wall Structure (Ch8090-8190)	92.59%	16	216	20-Jul-17 A	09-May-18	3				
NB4320	NB77 - backfilling (Ch8090-8190)	0%	20	20	15-Jun-18	10-Jul-18	33				
NB4330	NB77 - NB production (Ch8090-8190)	0%	45	45	10-May-18	23-Jun-18	129				

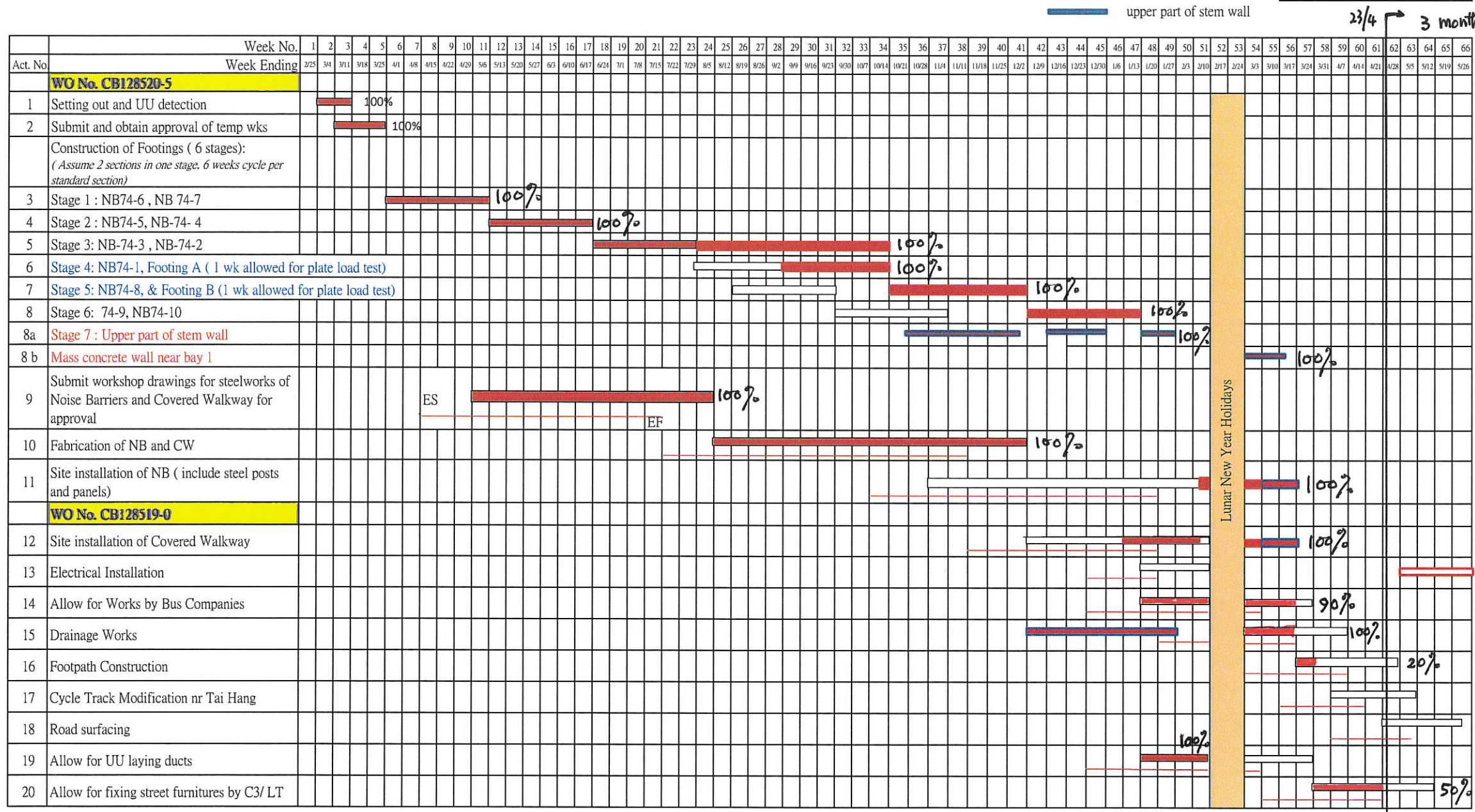
Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								Apr	May	Jun	Jul	
NB4340	NB77 - NB post & panel installation (Ch8090-8190)	0%	15	15	11-Jul-18	27-Jul-18	93					
NB4390	NB77 - NB production (Ch8190-8290)	0%	45	45	20-Apr-18	03-Jun-18	149					
NB4400	NB77 - NB post & panel installation (Ch8190-8290)	0%	15	15	04-Jun-18	21-Jun-18	123					
NB4430	NB77 - Footing & Wall Structure (Ch8290-8390)	92.73%	10	138	03-Nov-17 A	02-May-18	89					
NB4450	NB77 - NB production (Ch8290-8390)	0%	45	45	03-May-18	16-Jun-18	136					
NB4482	NB77 - Footing & Wall Structure (NB77/27 - 28, N1-N2)	0%	50	50	20-Apr-18	20-Jun-18	7					
NB4490	NB77 - Footing & Wall Structure (NB77/31 - 32, 0.19m & G35)	0%	50	50	21-Jun-18	18-Aug-18	7					
NB4620	NB77 Drainage Works	0%	100	100	10-May-18	06-Sep-18	3					
<b>Bridge Construction</b>												
<b>New Wo Hop Shek Pedstrian &amp; Cycle Bridge</b>												
<b>TWSR-West/ FL Highway N/B Side Section</b>												
WHS1410	Erect 2nd half Ramp	0%	60	60	08-Jun-18	18-Aug-18	77					
WHS2120	Ramp fabrication	44.44%	40	72	07-Feb-18 A	07-Jun-18	77					
<b>VO - Wall 76A Construction</b>												
<b>Retaining Wall W76A</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
W76A1060	Road work for Caltex access road	61.16%	47	121	16-Jan-18 A	15-Jun-18	292					
<b>Fanling Highway Construction</b>												
<b>Drainage &amp; Road Works</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
RDZ41102	Construct FH N/B Lane 1 (at NBZ2)	72.73%	9	33	20-Feb-18 A	30-Apr-18	50					
RDZ41104	Construct FH N/B Lane 2 (at NBZ2)	0%	20	20	02-May-18	25-May-18	50					
RDZ41106	Construct FH N/B Lane 3 (at NBZ2)	0%	20	20	26-May-18	19-Jun-18	50					
RDZ41108	Construct FH N/B Lane 4 (at NBZ2)	0%	20	20	20-Jun-18	13-Jul-18	50					
RDZ41131	Drainage work at central divider (Ch8100-8600)	64.81%	57	162	10-Oct-17 A	28-Jun-18	82					
RDZ41133	Construct FH S/B Lane 3 (Ch8100-8600)	0%	95	45	27-Mar-18 A	13-Aug-18	104					
RDZ41135	Construct FHS/B Lane 4 (Ch8100-8600)	0%	95	45	27-Mar-18 A	13-Aug-18	104					
<b>Other Works</b>												
<b>Retaining Wall W78</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
RWZ4.0910	Demolition of existing retaining wall (Instructed in 2-Jun-17 ad-hoc site)	0%	35	35	12-Jun-18	24-Jul-18	2					
RWZ4.1010	Base slab & Wall (6-11m high)- RW78 (Ch.0-50)	66.67%	43	129	02-Jan-18 A	11-Jun-18	2					
<b>Slope Works</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
S1030	Slope S53-Fill ~5m	0%	110	110	20-Apr-18	30-Aug-18	64					
S1040	Slope S54A-Cut ~4m	0%	40	40	20-Apr-18	07-Jun-18	263					
S1050	Slope S54B-Cut ~5m	0%	40	40	20-Apr-18	07-Jun-18	263					
<b>TCSS Works</b>												
<b>TCSS Pre-Construction Works</b>												
TCSS0120	Prepare Shop Drawing-TCSS	92.21%	6	77	20-Dec-17 A	26-Apr-18	85					
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	27-Apr-18	17-May-18	104					
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	18-May-18	08-Jun-18	86					
TCSS0150	Confirm Shop drawing & ready for material ordering & factory	0%	0	0		08-Jun-18	86					08-Jun-18 ♦ Confirm Shop drawing & ready for m
TCSS0160	Raw material procurement	56.11%	79	180	09-Jan-18 A	07-Jul-18	74					
TCSS0210	Sign Gantry Factory production - G55	0%	30	30	09-Jul-18	11-Aug-18	63					
TCSS0230	Sign Gantry Factory production - G34 (Z4)	0%	30	30	09-Jul-18	11-Aug-18	95					
<b>G34</b>												
TCSS1530	Fast lane footing - G34 (CH7990, N/B)	0%	30	30	07-Jun-18	13-Jul-18	120					
TCSS1780	TTA application & Approval - G34 (Z4)	0%	90	90	25-Apr-18	11-Aug-18	95					
<b>G36</b>												
TCSS1820	TTA application & Approval - G36 (Z4)	0%	90	90	01-Jun-18	15-Sep-18	95					
<b>DS50</b>												
TCSS1840	TTA application & Approval - DS50 (Z4)	0%	90	90	09-Jul-18	24-Oct-18	95					
<b>FADS8</b>												
TCSS1630	Fast lane footing - FADS8 (CH8220, S/B)	0%	30	30	29-Jun-18	03-Aug-18	192					



CHIU HING CONSTRUCTION AND TRANSPORTATION CO. LTD.  
 Contract No. 02/HY/2015  
 Works Order Nos: CB128519-0 & CB128520-5  
 Programme of Construction of Noise Barrier and Pedestrian Covered Walkway at Tai Wo Service Road East near Ho Ka Yuen

- ▬ Revised Program Duration
- Programmed Duration
- Actual Progress
- Critical Path Activities
- ▬ Early Start & Early Finish
- Float = 3 weeks
- ▬ upper part of stem wall

Rev	Date	Description
00	28/02/17	initial issue
01	29/03/17	refer RE's comments
02	22/5/17	add plate load test program
03	28/9/2017	revise program of task 5-8
04	23/1/2018	add mass wall & revise installation of NB & BBI



Cycle time for standard section :

Item	Activity	Approx Qty	Days for Construction (Calendar Days)
1	Sheet-piling with struts	24 x 7 = 168M2	10 days
2	Excavation	12 x 6 x 6 = 432 M3	7 days
3	Rock Fill ( assumed)	12 x 2 = 24 M3	2 days
4	Blinding Layer		1 day
5	Fwk-Rebar- Concreting	110 M3	10 days **
6	Posts for Covered Walkway		7 days ##
7	Backfilling	290M3	5 days
			Total = 42 days

\*\* Breakdown of Item 5

	Base Slab calendar days	Stem calendar days
Fwk	1	2
Re-bar	1	3
Concreting	1	1
Remove Fwk		1
Total :	10 days	

## Breakdown of Item 6

	Posts calendar days
Fwk	2
Re-bar	3
Concreting	1
Remove Fwk	1
Total :	7 days

\$\$Breakdown of Item 8a ( for 2 sections of stem wall)

	Posts calendar days
Fwk	4
Re-bar	2
Concreting	1
Fix HD bolts	2
Remove Fwk	1
Total :	10 days

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**APPENDIX C  
IMPLEMENTATION SCHEDULE OF  
ENVIRONMENTAL MITIGATION MEASURES  
(EMIS)**

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**Appendix C - Implementation Schedule of Environmental Mitigation Measures (EMIS)**

**Air Quality – Schedule of Recommended Mitigation Measures**

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			Feb 18	Mar 18	Apr 18	Feb 18	Mar 18	Apr 18
Air Quality during construction	Restricting heights from which materials are dropped, as far as practicable to minimize the fugitive dust arising from unloading/loading.	During construction	V	V	V	V	V	V
	All stockpiles of excavated materials or spoil of more than 50m <sup>3</sup> shall be enclosed, covered or dampened during dry or windy conditions.		@	@	@	V	@	@
	Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas.		V	V	V	V	V	V
	All spraying of materials and surfaces shall avoid excessive water usage.		V	V	V	V	V	V
	Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards.		V	V	V	V	V	V
	Materials shall be dampened, if necessary, before transportation.		V	V	V	V	V	V
	Travelling speeds shall be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks.		V	V	V	V	V	V
	Vehicle washing facilities shall be provided to minimize the quantity of material deposited on public roads.		@	@	@	V	V	V

### Noise – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			Feb 18	Mar 18	Apr 18	Feb 18	Mar 18	Apr 18
Noise during construction	Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant.	During construction	V	V	V	V	V	V
	Reduce the number of equipment and their percentage on-time.		V	V	V	V	V	V
	3.5 m and 5.5 m high temporary noise barrier at culvert construction work area (Figure 2a of the Environmental Permit).		V	V	V*	N.A.	N.A.	N.A.
	3 m high temporary noise barrier along the northern edge of Bridge 12 at ground level (Figure 2b of the Environmental Permit).		V	V	V*	N.A.	N.A.	N.A.
	2 m high temporary noise barrier along the northern edge of Bridge 12 at bridge level (Figure 2b of the Environmental Permit).		V	V	V*	N.A.	N.A.	N.A.
	2.5 m high temporary noise barrier along Tai Wo Service Road West (Figure 2c of the Environmental Permit).		V	V	V*	N.A.	N.A.	N.A.
	3.5m and 7m high temporary noise barrier along Tai Wo Services Road West near Tai Hang (Figure 2c of the Environmental Permit).		V	V	V*	N.A.	N.A.	N.A.
	7 m high temporary noise barrier along Tai Wo Service Road West near Tai Wo Footbridge work area (Figure 2d of the Environmental Permit).		V	V	V*	N.A.	N.A.	N.A.
	7 m high temporary noise barrier near Kiu Tau Footbridge work area (Figure 2d of the Environmental Permit).		V	V	V*	N.A.	N.A.	N.A.
2.5 m high temporary noise barrier near river diversion work area (Figure 2e of the Environmental Permit).	N.A.	N.A.	V*	N.A.	N.A.	N.A.		

\* Permanent noise barriers have been erected.

**Water Quality – Schedule of Recommended Mitigation Measures**

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			Feb 18	Mar 18	Apr 18	Feb 18	Mar 18	Apr 18
Water quality during construction	Demolition and reconstruction of bridges <ul style="list-style-type: none"> <li>- Prevent off-site migration through use of sheet piles.</li> <li>- Minimise duration of works as far as practical.</li> <li>- All sewer and drainage connections should be sealed to prevent debris, soil, sand, etc, from entering public sewers/drains.</li> <li>- Site surface runoff should be settled to remove sand/silt before it is discharged into the existing storm drains.</li> </ul>	During construction	@	@	@	N.A.	N.A.	N.A.
	Road Widening Works, Earthworks and Culvert Extension Works <ul style="list-style-type: none"> <li>- Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul sewers, after the removal of settleable solids, and pH adjustment as necessary. All sewage discharges from the study area should meet the TM standards and approval from EPD through the licensing process is required.</li> <li>- Sand traps, oil interceptors and other pollution prevention installations should be provided, properly cleaned and maintained.</li> <li>- Runoff from exposed working areas, unfinished slopes and from unlined temporary channels should be directed to stilling basins and/or silt traps before discharging to the drainage outfalls.</li> <li>- Regular inspections of stilling basins and/or silt traps is required to ensure that sediment is not conveyed into the existing drainage system.</li> <li>- Open stockpiles should be covered with a tarpaulin cover.</li> <li>- During the wet season, any exposed top soils should be covered with a tarpaulin, shotcreted or hydroseeded.</li> <li>- Sand and silt from wash-water from vehicle washing should be settled out before discharging into storm drains.</li> <li>- Fuels should be stored in bunded areas such that spillage can be easily collected.</li> </ul>		@	@	@	V	V	V

**Waste – Schedule of Recommended Mitigation Measures**

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			Feb 18	Mar 18	Apr 18	Feb 18	Mar 18	Apr 18
Waste management during construction	<b>General Waste</b> - Transport of wastes off site as soon as possible. - Maintenance of accurate waste records. - Minimisation of waste generation for disposal (via reduction/recycling/re-use). - No on-site burning will be permitted. - Use of re-useable metal hoardings/signboards.	During construction	V	V	V	V	V	V
	<b>Vegetation from site clearance</b> - Segregation of materials to facilitate disposal. - Mulching to reduce bulk and where possible review opportunities for the possible beneficial use within landscaping areas.		V	V	V	V	V	V
	<b>Demolition Wastes</b> - Segregation of materials to facilitate disposal. - Appropriate stockpile management.		V	V	V	V	V	V
	<b>Excavated Materials</b> - Segregation of materials to facilitate disposal / reuse. - Appropriate stockpile management. - Re-use of excavated material on or off site (where possible). - Special handling and disposal procedures in the event that contaminated materials are excavated.		V	V	V	V	V	V
	<b>Construction Wastes</b> - Segregation of materials to facilitate recycling/reuse (within designated area in appropriate containers/stockpiles). - Appropriate stockpile management. - Planning to reduce over ordering and waste generation. - Recycling and re-use of materials where possible (e.g. metal, wood from formwork) - For material which cannot be re-used/recycled, collection should be carried out by an approved waste contractor for landfill disposal.		V	V	V	V	V	@

<p>Bentonite Slurries</p> <ul style="list-style-type: none"> <li>- Bentonite slurries should be reused as far as possible.</li> <li>- Disposal in accordance with Practice Note For Professional Persons ProPECC PN 1/94.</li> </ul>		#	#	#	N.A.	N.A.	N.A.
<p>Chemical Wastes</p> <ul style="list-style-type: none"> <li>- Storage within locked, covered and bunded area.</li> <li>- The storage area shall not be located adjacent to sensitive receivers e.g. drains.</li> <li>- Minimise waste production and recycle oils/solvents where possible.</li> <li>- A spill response procedure shall be in place and absorption material available for minor spillages.</li> <li>- Use appropriate and labelled containers.</li> <li>- Educate site workers on site cleanliness/waste management procedures.</li> <li>- If chemical wastes are to be generated, the contractor must register with EPD as a chemical waste producer.</li> <li>- The chemical wastes shall be collected by a licensed chemical waste collector.</li> </ul>		@	@	V	N.A.	N.A.	N.A.
<p>Municipal Wastes</p> <ul style="list-style-type: none"> <li>- Waste shall be stored within a temporary refuse collection facility, in appropriate containers prior to collection and disposal.</li> <li>- Regular, daily collections are required by an approved waste collector.</li> </ul>		V	V	V	V	V	V

**Ecology – Schedule of Recommended Mitigation Measures**

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			Feb 18	Mar 18	Apr 18	Feb 18	Mar 18	Apr 18
Ecology during construction	<p>Accurate Delineation of Works Area</p> <ul style="list-style-type: none"> <li>- Boundaries of proposed works areas shall be clearly identified and separated from external areas by a physical barrier to prevent encroachment of adjacent habitats.</li> <li>- Individual trees which fall within the works areas but which work plans do not require removal are to be retained and fenced off to maximize protection.</li> </ul>	During construction	V	V	V	V	V	V
	<p>Vegetation Clearance</p> <ul style="list-style-type: none"> <li>- No fires shall be lit within the works area for the purpose of burning cleared vegetation.</li> <li>- The Contractor shall give consideration to mulching the cleared vegetation for recycling within the works area / adjacent land.</li> </ul>		V	V	V	V	V	V
	<p>Dust generation</p> <p>There are a number of measures which shall be taken as specified in the Air Pollution Control (Construction Dust) Regulation on 'Dust Control Requirements, including the following key measures to be applied during construction:</p> <ul style="list-style-type: none"> <li>- Vehicle washing facilities to be provided at every discernible or designated vehicle exit point;</li> <li>- All temporary site access roads shall be sprayed with water to suppress dust as necessary;</li> <li>- All dusty materials should be sprayed with water immediately prior to any handling; and</li> <li>- All debris should be covered entirely by impervious sheeting or stored in a sheltered debris collection area.</li> </ul>		@	@	@	V	V	V

	<p>Surface Run-off          In general, mitigation measures shall be in accordance with ProPECC PN1/94 on 'Construction Site Drainage'. Key measures include:</p> <ul style="list-style-type: none"> <li>- Bund and cover stock piles to avoid run-off;</li> <li>- Channel any run-off through a system of oil, grease and sediment / silt traps and reuse water on site where ever practical;</li> <li>- All vehicle maintenance to be undertaken within a bunded area; and</li> <li>- Maximise vegetation retention on-site to maximise absorption (minimise transport).</li> </ul>		@	@	@	V	V	V
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### Landscape and Visual Impact – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			Feb 18	Mar 18	Apr 18	Feb 18	Mar 18	Apr 18
Landscape & Visual during construction	Preservation of Existing Vegetation - Trees identified for retention within the project limit would be protected during the works; - The tree transplanting and planting works shall be implemented by approved Landscape Contractors.	During construction	V	V	V	V	V	V
	Temporary Works Areas - Where feasible the works areas would be screened using hoarding and existing vegetation would be retained where possible to reduce the landscape and visual impacts arising from the construction activity. The landscape of these works areas would be restored following the completion of the construction phase.		V	V	V	V	V	V
	Hoarding - A hoarding would be erected where practicable in the most visually sensitive locations to screen the temporary construction works from the local VSRs.		V	V	V	N.A.	N.A.	N.A.
	Top Soils - The works will result in disturbance to extensive areas of topsoil. Topsoil worthy of retention should be stockpiled for use following completion of the civil engineering works. It should either be temporarily vegetated with hydroseeded grass or turned over on a regular basis.		#	#	#	N.A.	N.A.	N.A.
	Protection of Important Landscape Features - Important features such as temples, Island House and kilns within the study area, although remote from the proposed works retained and adequately protected.		#	#	#	N.A.	N.A.	N.A.

**Legend:**

- V = implemented;
- x = not implemented;
- @ = partially implemented;
- + = recommended and immediately implemented during the site inspection by the Contractor;
- N/A = not applicable - No such work was undertaken or no such material was used on site;
- # = to be implemented.

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**APPENDIX D  
SUMMARY OF ACTION AND LIMIT LEVELS**

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## Appendix D - Summary of Action and Limit Levels

Table 1 – Action and Limit Levels for 1-hour TSP

Location	Action Level	Limit Level
AM2	317.8 µg/m <sup>3</sup>	500 µg/m <sup>3</sup>

Table 2 – Action and Limit Levels for 24-hour TSP

Location	Action Level	Limit Level
AM2	200.7 µg/m <sup>3</sup>	260 µg/m <sup>3</sup>

Table 3 – Action and Limit Levels for Construction Noise (0700-1900 hrs of normal weekdays)

Location	Action Level	Limit Level
M2	When one documented complaint, related to 0700 – 1900 hours on normal weekdays, is received from any one of the sensitive receivers	75 dB(A)
M3*		65/70 dB(A)

\*Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65dB(A) applies during school examination period

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**APPENDIX E  
IMPACT AIR QUALITY MONITORING  
RESULTS AND THEIR GRAPHICAL  
PRESENTATION**

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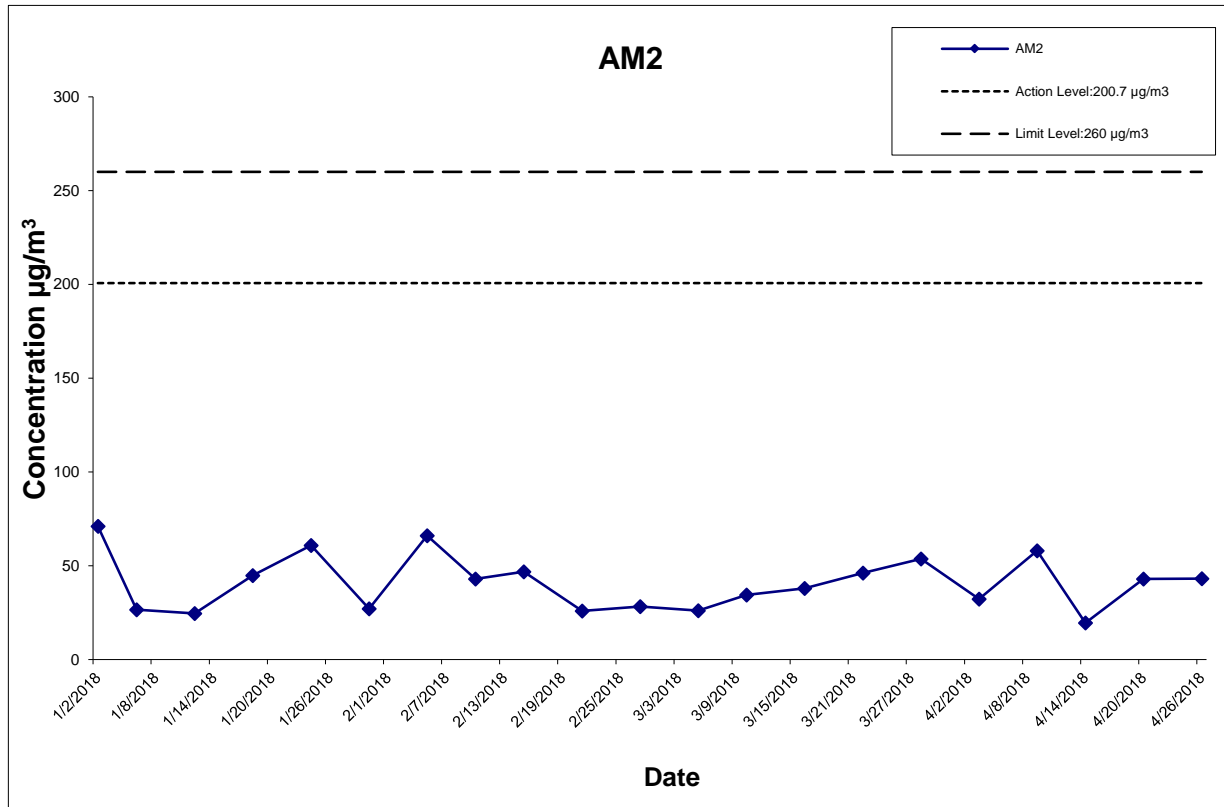
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## Impact Air Quality Monitoring Results

### 24-hour TSP Monitoring Results at Station AM2 (Fanling Government Secondary School)

Date	Weather Condition	Air Temp. (°C)	Atmospheric Pressure(hPa)	Flow Rate (m <sup>3</sup> /min.)		Av. flow (m <sup>3</sup> /min)	Total vol. (m <sup>3</sup> )	Filter Weight (g)		Particulate weight(g)	Elapse Time		Sampling Time(hrs.)	Conc. (µg/m <sup>3</sup> )	Actino Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )
				Initial	Final			Initial	Final		Initial	Final				
2-Jan-18	Sunny	17.8	1019.3	1.314	1.314	1.314	1892.2	2.7513	2.8859	0.1346	9690.02	9714.02	24.00	71.1	200.7	260
6-Jan-18	Rainy	16.2	1014.6	1.314	1.314	1.314	1892.2	2.6527	2.7031	0.0504	9714.02	9738.02	24.00	26.6	200.7	260
12-Jan-18	Sunny	12.8	1027.1	1.314	1.314	1.314	1892.2	2.6116	2.6581	0.0465	9738.02	9762.02	24.00	24.6	200.7	260
18-Jan-18	Sunny	19.2	1016.6	1.314	1.314	1.314	1892.2	2.6277	2.7125	0.0848	9762.02	9786.02	24.00	44.8	200.7	260
24-Jan-18	Fine	17.7	1015.5	1.314	1.314	1.314	1892.2	2.6559	2.7710	0.1151	9786.02	9810.02	24.00	60.8	200.7	260
30-Jan-18	Sunny	10.1	1020.4	1.314	1.314	1.314	1892.2	2.6385	2.6897	0.0512	9810.02	9834.02	24.00	27.1	200.7	260
5-Feb-18	Sunny	9.8	1026.6	1.314	1.314	1.314	1892.2	2.6299	2.7550	0.1251	9834.02	9858.02	24.00	66.1	200.7	260
10-Feb-18	Sunny	18.0	1017.4	1.314	1.314	1.314	1892.2	2.6218	2.7029	0.0811	9858.02	9882.02	24.00	42.9	200.7	260
15-Feb-18	Sunny	19.8	1016.0	1.304	1.304	1.304	1877.8	2.7064	2.7942	0.0878	9882.02	9906.02	24.00	46.8	200.7	260
21-Feb-18	Sunny	18.2	1014.9	1.304	1.304	1.304	1877.8	2.6167	2.6653	0.0486	9906.02	9930.02	24.00	25.9	200.7	260
27-Feb-18	Sunny	19.1	1017.3	1.304	1.304	1.304	1877.8	2.7051	2.7582	0.0531	9930.02	9954.02	24.00	28.3	200.7	260
5-Mar-18	Rainy	14.5	1019.4	1.304	1.304	1.304	1877.8	2.7194	2.7684	0.0490	9954.02	9978.02	24.00	26.1	200.7	260
10-Mar-18	Sunny	16.7	1022.1	1.324	1.324	1.324	1906.6	2.7396	2.8052	0.0656	9978.02	10002.02	24.00	34.4	200.7	260
16-Mar-18	Sunny	22.7	1014.8	1.324	1.324	1.324	1906.6	2.7142	2.7867	0.0725	10002.02	10026.02	24.00	38.0	200.7	260
22-Mar-18	Sunny	19.5	1016.9	1.324	1.324	1.324	1906.6	2.7397	2.8275	0.0878	10026.02	10050.02	24.00	46.1	200.7	260
28-Mar-18	Sunny	22.7	1014.7	1.324	1.324	1.324	1906.6	2.7216	2.8239	0.1023	10050.02	10074.02	24.00	53.7	200.7	260
3-Apr-18	Fine	24.7	1013.6	1.324	1.324	1.324	1906.6	2.5332	2.5947	0.0615	10074.02	10098.02	24.00	32.3	200.7	260
9-Apr-18	Sunny	22.0	1017.6	1.324	1.324	1.324	1906.6	2.5558	2.6666	0.1108	10098.02	10122.02	24.00	58.1	200.7	260
14-Apr-18	Sunny	26.7	1011.3	1.324	1.324	1.324	1906.6	2.5912	2.6284	0.0372	10122.02	10146.02	24.00	19.5	200.7	260
20-Apr-18	Sunny	23.2	1014.6	1.324	1.324	1.324	1906.6	2.5630	2.6448	0.0818	10146.02	10170.02	24.00	42.9	200.7	260
26-Apr-18	Rainy	24.6	1013.6	1.324	1.324	1.324	1906.6	2.5346	2.6169	0.0823	10170.02	10194.02	24.00	43.2	200.7	260

Average for the reporting quarter (Feb 18 to Apr 18)	40.3
Minimum for the reporting quarter (Feb 18 to Apr 18)	19.5
Maximum for the reporting quarter (Feb 18 to Apr 18)	66.1



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CONTRACT NO. HY/2012/06  
 WIDENING OF FANLING HIGHWAY  
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Graphical Presentation of Impact 24-hour TSP Monitoring Results

Project No.: 60307376

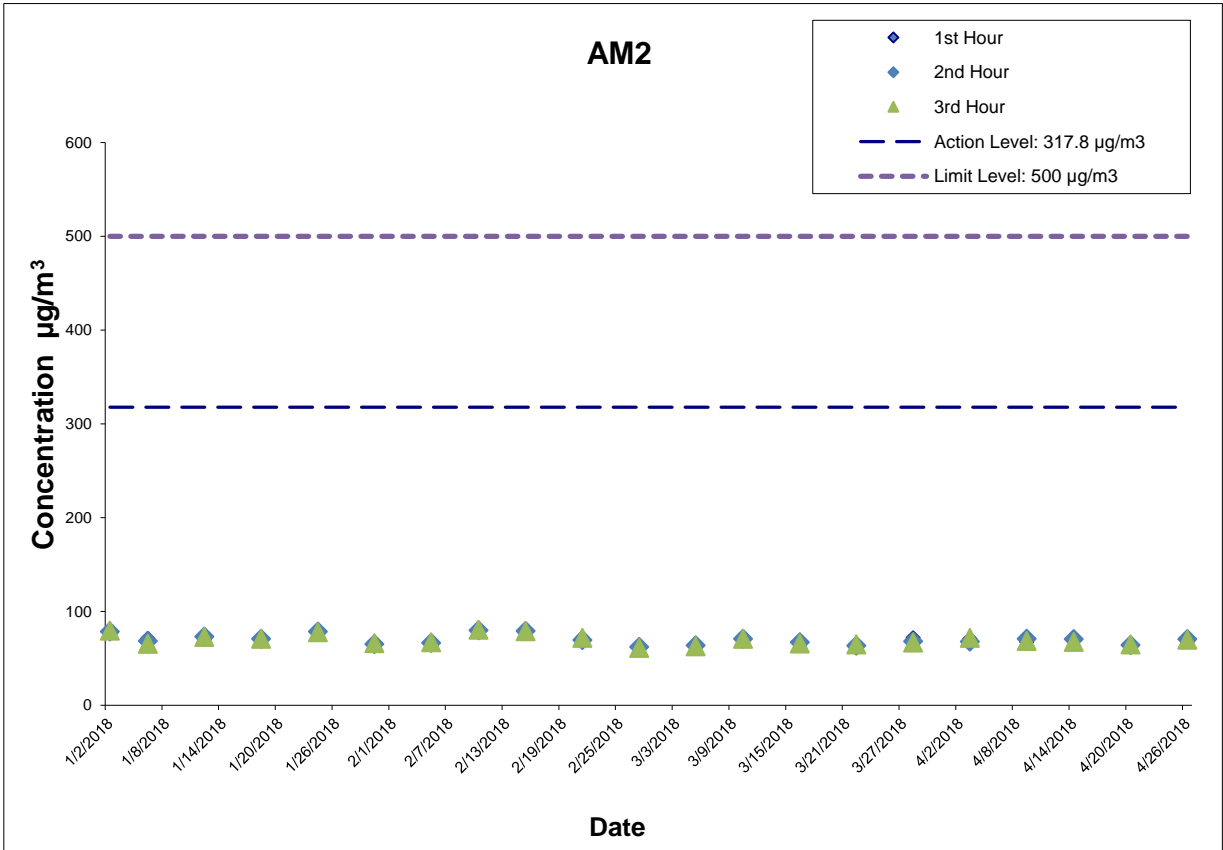
Date: May-18

Appendix E

## Impact Air Quality Monitoring Results

### 1-hour TSP Monitoring Results at Station AM2 (Fanning Government Secondary School)

Date	Start Time (hh:mm)	1st Hour	2nd Hour	3rd Hour
		Conc. ( $\mu\text{g}/\text{m}^3$ )	Conc. ( $\mu\text{g}/\text{m}^3$ )	Conc. ( $\mu\text{g}/\text{m}^3$ )
2-Jan-18	10:00	79.1	78.6	79.7
6-Jan-18	13:30	71.2	68.5	65.6
12-Jan-18	9:30	70.6	73.2	72.8
18-Jan-18	10:45	69.5	70.8	71.1
24-Jan-18	13:10	78.1	78.7	77.8
30-Jan-18	13:00	64.6	65.3	66.2
5-Feb-18	12:30	65.4	66.7	67.2
10-Feb-18	13:06	80.4	79.8	80.6
15-Feb-18	13:05	78.6	79.3	78.8
21-Feb-18	15:00	72.0	69.6	71.8
27-Feb-18	13:30	60.6	62.1	61.3
5-Mar-18	13:00	65.0	64.0	62.8
10-Mar-18	13:45	72.3	70.8	71.1
16-Mar-18	10:25	65.5	67.2	66.0
22-Mar-18	13:00	61.6	63.7	64.9
28-Mar-18	14:35	72.1	68.1	66.9
3-Apr-18	9:40	71.1	67.8	72.0
9-Apr-18	13:35	67.7	70.8	68.6
14-Apr-18	11:05	72.2	70.5	67.6
20-Apr-18	9:30	63.8	64.2	64.9
26-Apr-18	10:35	67.9	70.7	69.8
Average for the reporting quarter (Feb 18 to Apr 18)				69.0
Minimum for the reporting quarter (Feb 18 to Apr 18)				60.6
Maximum for the reporting quarter (Feb 18 to Apr 18)				80.6



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 WIDENING OF FANLING HIGHWAY  
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Graphical Presentation of Impact 1-hour TSP Monitoring Results

Project No.: 60307376

Date: May-18

Appendix E



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**APPENDIX F  
METEROLOGICAL DATA**

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## Daily Extract of Meteorological Observations , February 2018 - Tai Po

Year  Month  

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	1021.9	12.1#	9.0	4.6#	1.9	61	***	***	***
02	1024.3	11.9#	10.2	8.6#	3.4	63	***	***	***
03	1025.5	11.8	9.4	7.7	0.3	53	***	***	***
04	1025.6	10.9	9.2	7.5	-0.6	51	***	***	***
05	1026.1	10.9#	8.7	6.9#	-2.2	47	***	***	***
06	1023.2	13.5	9.8	4.6	0.4	53	***	***	***
07	1020.3	14.0	11.8	9.3	3.1	57	***	***	***
08	1018.2	16.3	13.1	9.2	5.9	63	***	***	***
09	1015.8	16.7#	15.1	13.6#	11.3	78	***	***	***
10	1016.6	21.2	17.2	15.0	13.8	81	***	***	***
11	1022.1	17.4	15.6	13.5	8.7	64	***	***	***
12	1025.7	18.8	14.1	9.9	5.1	55	***	***	***
13	1023.2	18.2#	14.1	10.4#	6.8	63	***	***	***
14	1018.4	18.4	15.3	11.2	9.1	67	***	***	***
15	1015.3	22.7	18.1	15.1	15.2	83	***	***	***
16	1014.1	27.2#	20.0	14.8#	15.9	80	***	***	***
17	1016.2	18.2#	16.8	16.1#	14.6	87	***	***	***
18	1016.9	20.4	17.7	16.4	14.9	84	***	***	***
19	1015.3	22.8#	19.7	17.2#	17.6	88	***	***	***
20	1013.5	24.4	19.6	17.9	18.0	91	***	***	***
21	1014.3	18.7	17.6	16.1	15.4	87	***	***	***
22	1017.8	16.4#	13.9	11.6#	12.8	93	***	***	***
23	1019.4	16.8	14.2	11.1	11.9	86	***	***	***
24	1018.2	19.9#	17.7	15.3#	13.9	78	***	***	***
25	1017.4	23.5#	19.4	17.0#	15.9	81	***	***	***
26	1019.0	18.2#	16.8	15.7#	13.2	79	***	***	***
27	1016.6	22.0	18.3	14.6	13.7	75	***	***	***
28	1012.8	25.1#	20.7	17.5#	17.8	83	***	***	***

\*\*\* unavailable

# data incomplete

Rainfall measured in increment of 0.5 mm. Amount of &lt; 0.5 mm cannot be detected

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## Daily Extract of Meteorological Observations , February 2018 - Tai Mei Tuk

Year  Month  

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	***	13.0#	9.5	4.6#	***	***	0.0	040	10.2
02	***	11.7	10.0	8.1	***	***	0.0	030	17.8
03	***	11.2	9.3	7.3	***	***	0.0	040	14.1
04	***	12.1	9.2	7.7	***	***	0.0	040	15.7
05	***	12.2#	8.9	6.7#	***	***	0.0	030	13.8
06	***	15.3	10.7	6.4	***	***	0.0	040	14.9
07	***	15.2	12.0	9.4	***	***	0.0	040	9.6
08	***	18.2	13.4	9.9	***	***	0.0	090	9.8
09	***	18.4#	15.3	13.0#	***	***	0.0	060	8.8
10	***	23.1	17.7	15.0	***	***	0.0	130	6.1
11	***	20.3	15.8	12.8	***	***	0.0	050	13.9
12	***	20.0	14.4	9.4	***	***	0.0	040	12.9
13	***	20.0	14.5	11.1	***	***	0.0	050	10.8
14	***	20.0	15.9	12.1	***	***	0.0	060	5.3
15	***	24.9#	18.8	15.2#	***	***	0.0	070	2.5
16	***	26.9#	20.3	15.5#	***	***	0.0	260	3.2
17	***	18.6	16.6	15.8	***	***	0.0	090	18.3
18	***	20.9	17.8	15.9	***	***	0.0	070	4.3
19	***	24.8#	20.1	17.3#	***	***	0.0	270	3.3
20	***	26.7	20.1	17.9	***	***	0.0	070	7.6
21	***	19.9	17.4	15.3	***	***	0.5	060	12.0
22	***	15.7	13.6	11.6	***	***	4.5	050	12.6
23	***	17.9	14.4	11.3	***	***	2.0	050	10.5
24	***	22.4#	18.0	14.4#	***	***	0.0	070	5.4
25	***	25.6	19.7	16.9	***	***	0.0	040	6.8
26	***	19.9#	16.8	15.1#	***	***	0.0	050	12.8
27	***	23.7	18.5	14.1	***	***	0.0	130	10.6
28	***	26.9#	20.9	17.7#	***	***	0.0	060	5.7

\*\*\* unavailable

# data incomplete

Rainfall measured in increment of 0.5 mm. Amount of &lt; 0.5 mm cannot be detected

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## Daily Extract of Meteorological Observations , March 2018 - Tai Po

Year  Month  

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	1011.6	23.7#	20.1	17.4#	18.4	90	***	***	***
02	1011.1	23.8	21.0	19.3	17.9	83	***	***	***
03	1010.4	22.1#	21.0	20.1#	20.1	94	***	***	***
04	1010.0	23.8#	22.5	21.0#	21.5	94	***	***	***
05	1011.3	25.9#	23.5	21.6#	21.8	90	***	***	***
06	1016.4	21.6	19.2	18.2	16.2	83	***	***	***
07	1016.0	20.1	18.8	17.6	15.3	81	***	***	***
08	1019.4	19.1	13.2	11.4	10.2	83	***	***	***
09	1022.3	18.4	13.6	8.4	6.5	64	***	***	***
10	1021.4	20.4	15.6	11.2	9.2	68	***	***	***
11	1020.8	21.2	17.5	14.7	11.2	68	***	***	***
12	1018.3	23.4	18.5	14.4	13.9	76	***	***	***
13	1015.8	24.2	19.7	15.2	16.0	80	***	***	***
14	1014.0	20.2#	19.5	18.2#	17.2	87	***	***	***
15	1012.3	24.5	21.0	18.9	18.8	87	***	***	***
16	1013.8	25.7#	21.7	18.4#	19.2	86	***	***	***
17	1016.5	21.0#	19.3	18.5#	16.9	86	***	***	***
18	1015.1	22.3#	20.3	19.1#	17.8	86	***	***	***
19	1010.8	24.4#	21.8	19.7#	20.1	90	***	***	***
20	1012.7	22.9	20.0	15.8	15.1	74	***	***	***
21	1016.2	22.6	17.6	12.6	7.4	52	***	***	***
22	1016.1	22.2#	17.8	12.7#	10.2	62	***	***	***
23	1017.6	23.2#	18.9	14.5#	12.6	69	***	***	***
24	1018.1	21.9#	20.1	18.4#	16.2	79	***	***	***
25	1018.5	22.6#	20.9	19.0#	14.4	67	***	***	***
26	1017.4	24.5#	21.4	18.1#	16.8	76	***	***	***
27	1015.2	26.0#	21.9	19.4#	17.6	77	***	***	***
28	1013.8	24.3#	21.5	19.3#	18.2	82	***	***	***
29	1013.4	24.7#	21.6	19.0#	18.6	83	***	***	***
30	1014.4	26.1#	22.6	19.2#	18.5	79	***	***	***
31	1014.5	26.7#	23.0	21.0#	15.6	64	***	***	***

\*\*\* unavailable

# data incomplete

Rainfall measured in increment of 0.5 mm. Amount of &lt; 0.5 mm cannot be detected

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## Daily Extract of Meteorological Observations , March 2018 - Tai Mei Tuk

Year  Month

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	***	25.4	20.7	17.2	***	***	0.0	070	8.1
02	***	26.0	21.4	18.8	***	***	0.0	070	9.0
03	***	22.4#	21.2	20.4#	***	***	0.0	070	6.0
04	***	24.0#	22.4	20.9#	***	***	1.5	050	4.9
05	***	30.0#	24.3	21.9#	***	***	0.0	060	3.8
06	***	21.9#	18.8	17.4#	***	***	0.0	090	19.9
07	***	21.4	18.8	16.9	***	***	0.0	090	13.3
08	***	19.1#	12.9	11.1#	***	***	13.0	030	19.7
09	***	19.4#	14.1	8.5#	***	***	0.0	040	12.5
10	***	21.6	16.0	11.9	***	***	0.0	050	12.1
11	***	23.1#	17.5	13.7#	***	***	0.0	090	14.6
12	***	24.9#	19.0	14.8#	***	***	0.0	060	8.0
13	***	25.8#	20.1	16.0#	***	***	0.0	070	6.1
14	***	20.6#	19.3	18.0#	***	***	3.0	060	8.4
15	***	25.4#	21.2	18.8#	***	***	0.0	050	3.7
16	***	27.3#	22.1	19.0#	***	***	0.0	130	4.5
17	***	20.8#	18.9	18.1#	***	***	0.0	080	22.6
18	***	24.9#	20.4	18.4#	***	***	0.0	060	10.7
19	***	25.7#	22.0	19.7#	***	***	0.0	060	4.0
20	***	23.9	19.8	14.7	***	***	1.0	040	15.5
21	***	22.7	17.7	12.6	***	***	0.0	030	16.0
22	***	24.1#	18.5	14.2#	***	***	0.0	130	8.6
23	***	24.5#	19.4	15.4#	***	***	0.0	070	9.8
24	***	23.5#	19.9	17.8#	***	***	0.0	040	11.5
25	***	24.3#	20.9	18.6#	***	***	0.5	050	14.6
26	***	28.7#	22.0	18.6#	***	***	0.0	140	4.8
27	***	27.6	22.2	19.3	***	***	0.0	090	6.9
28	***	26.3#	21.8	19.5#	***	***	0.0	050	8.8
29	***	27.1#	21.9	18.9#	***	***	0.0	080	9.9
30	***	28.2#	22.8	19.6#	***	***	0.0	040	9.2
31	***	28.5#	22.9	19.6#	***	***	0.0	050	12.1

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# data incomplete

Rainfall measured in increment of 0.5 mm. Amount of &lt; 0.5 mm cannot be detected

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## Daily Extract of Meteorological Observations , April 2018 - Tai Po

Year  Month  

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	1014.2#	23.9#	20.8#	19.6#	18.7#	88#	***	***	***
02	***	***	***	***	***	***	***	***	***
03	1012.2#	28.0#	24.8#	21.8#	18.9#	70#	***	***	***
04	1011.7	27.1#	23.5	20.2#	19.7	80	***	***	***
05	1010.6	28.5#	23.7	20.0#	19.4	78	***	***	***
06	1014.6	27.8	21.4	16.9	15.3	69	***	***	***
07	1023.1	19.6#	17.6	15.9#	4.4	42	***	***	***
08	1019.8	22.6	18.4	12.8	9.1	56	***	***	***
09	1016.6	24.2	20.4	15.8	16.2	78	***	***	***
10	1013.6	27.0	22.7	19.2	19.3	82	***	***	***
11	1011.3	25.9#	23.4	21.1#	21.2	88	***	***	***
12	1009.9	28.3#	25.1	22.6#	21.9	83	***	***	***
13	1010.6	29.4	25.7	24.2	22.7	84	***	***	***
14	1010.1	30.8#	26.4	23.9#	22.9	82	***	***	***
15	1013.5	25.2#	20.0	17.0#	17.7	87	***	***	***
16	1016.1	17.2#	16.3	15.5#	15.4	95	***	***	***
17	1016.4	21.7	18.6	15.4	16.5	88	***	***	***
18	1014.8	23.6	21.6	20.4	17.9	80	***	***	***
19	1013.7	24.4	22.0	19.4	18.1	79	***	***	***
20	1013.2	24.6	22.7	21.8	19.9	84	***	***	***
21	1012.1	26.3	23.6	22.6	21.0	85	***	***	***
22	1010.2	27.3#	24.4	23.1#	22.3	88	***	***	***
23	1008.0	29.8	25.9	23.3	22.3	81	***	***	***
24	1008.9	25.9	24.3	22.4	22.3	89	***	***	***
25	1011.4	23.2#	22.6	21.5#	19.4	82	***	***	***
26	1012.6	23.7#	22.8	21.9#	20.5	87	***	***	***
27	1014.3#	26.4#	24.7#	23.9#	21.7#	83#	***	***	***
28	1014.1	25.2	24.0	23.1	21.3	85	***	***	***
29	1012.3	27.6	24.8	23.3	21.9	84	***	***	***
30	1011.8	28.2	25.5	23.8	23.3	88	***	***	***

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# data incomplete

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## Daily Extract of Meteorological Observations , April 2018 - Tai Mei Tuk

Year  Month  

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	***	28.3#	22.9	19.5#	***	***	0.0	060	9.7
02	***	29.4#	23.7	20.2#	***	***	0.0	130	4.2
03	***	29.6	23.8	19.8	***	***	0.0	150	5.0
04	***	29.8#	24.2	20.9#	***	***	0.0	150	6.0
05	***	30.5	24.4	21.2	***	***	0.0	140	5.8
06	***	29.4	21.3	15.9	***	***	0.0	040	15.3
07	***	19.5#	16.9	14.2#	***	***	0.0	040	28.8
08	***	25.3	19.8	14.6	***	***	0.0	150	9.5
09	***	26.3	21.3	16.5	***	***	0.0	060	7.4
10	***	29.3	23.4	19.8	***	***	0.0	070	6.4
11	***	27.5#	24.0	21.4#	***	***	0.0	060	5.1
12	***	28.8#	25.2	22.5#	***	***	0.0	150	5.0
13	***	29.1	25.8	23.6	***	***	0.0	140	7.4
14	***	30.8	26.3	23.4	***	***	0.0	060	5.0
15	***	25.2	20.2	16.6	***	***	20.5	050	12.5
16	***	18.2	16.7	15.5	***	***	7.0	050	7.4
17	***	23.5	18.9	15.4	***	***	1.5	140	6.2
18	***	25.1#	21.7	20.2#	***	***	0.0	050	9.7
19	***	27.0	22.7	19.8	***	***	0.0	050	10.9
20	***	27.1#	22.6	21.1#	***	***	0.0	080	16.0
21	***	27.6	23.8	22.1	***	***	0.0	070	15.3
22	***	28.7#	24.6	22.8#	***	***	0.0	060	10.1
23	***	32.0	26.6	23.3	***	***	0.0	150	5.8
24	***	27.2#	24.5	23.1#	***	***	2.5	040	5.4
25	***	23.5#	22.7	22.0#	***	***	0.0	050	10.2
26	***	24.7#	22.4	21.5#	***	***	1.0	080	12.1
27	***	27.3#	24.1	21.8#	***	***	0.0	060	6.2
28	***	25.6#	23.8	22.7#	***	***	0.0	080	14.0
29	***	29.9#	25.1	22.8#	***	***	0.0	070	11.0
30	***	30.4#	25.8	23.3#	***	***	0.0	060	7.6

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# data incomplete

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**APPENDIX G  
IMPACT DAYTIME CONSTRUCTION NOISE  
MONITORING RESULTS AND THEIR  
GRAPHICAL PRESENTATION**

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**Location : M2 (West Tai Wo - Free Field)**

Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

Date	Measured Noise Level for 30-min, dB(A)				Limit Level, dB(A)	Exceedance (Y/N)
	Start Time	Leq*	L10*	L90*		
2-Jan-18	10:30	68.4	70.0	66.5	75	N
12-Jan-18	10:20	70.6	73.6	67.2	75	N
18-Jan-18	11:20	65.7	66.4	64.3	75	N
24-Jan-18	14:10	69.3	71.8	67.0	75	N
30-Jan-18	13:20	67.7	69.0	63.5	75	N
5-Feb-18	13:35	70.8	72.3	68.7	75	N
15-Feb-18	13:30	67.7	69.5	65.5	75	N
21-Feb-18	14:10	70.2	73.9	66.2	75	N
27-Feb-18	14:30	66.5	68.0	64.5	75	N
5-Mar-18	14:00	66.0	68.0	64.0	75	N
16-Mar-18	11:30	67.6	69.2	65.3	75	N
22-Mar-18	14:00	67.7	69.0	65.0	75	N
28-Mar-18	15:35	67.8	69.5	65.2	75	N
3-Apr-18	9:53	68.3	69.8	66.2	75	N
9-Apr-18	15:00	69.2	71.1	66.3	75	N
20-Apr-18	10:15	68.2	70.5	65.6	75	N
26-Apr-18	10:15	69.5	71.1	67.2	75	N
Minimum for Feb 18 to Apr 18		66.0	68.0	64.0		
Maximum for Feb 18 to Apr 18		70.8	73.9	68.7		
Average for Feb 18 to Apr 18		68.5	70.5	66.0		

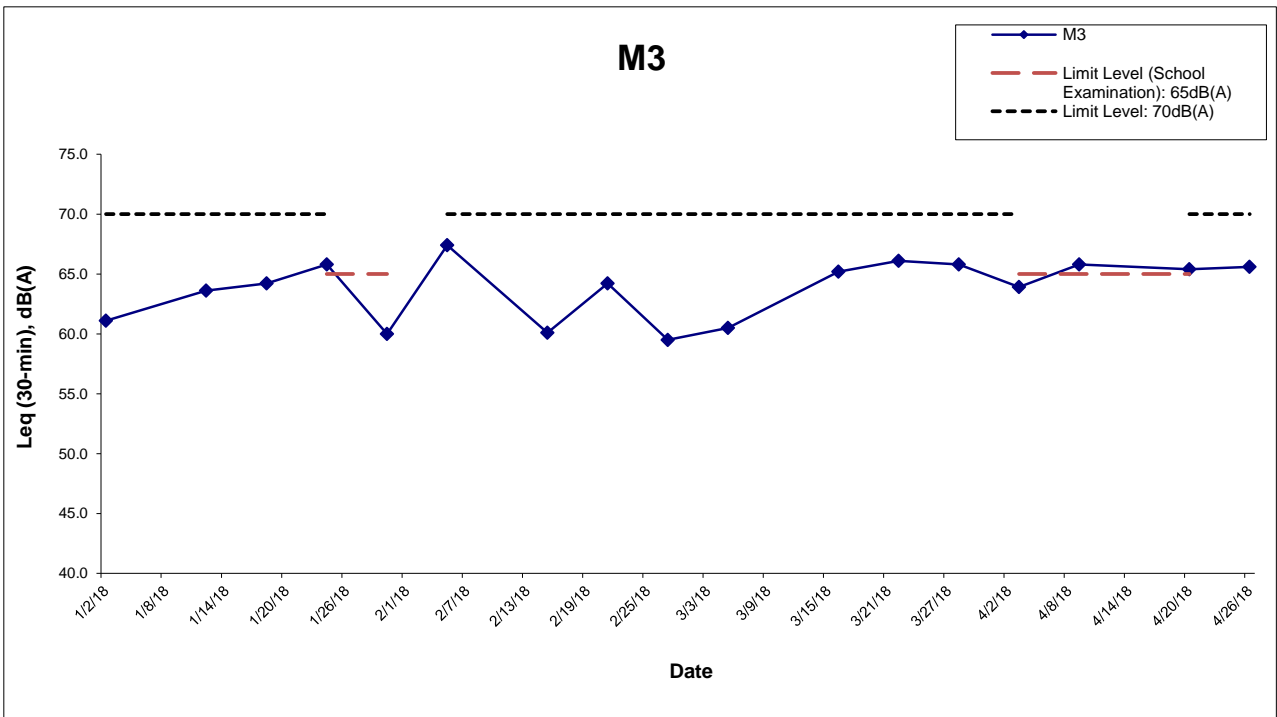
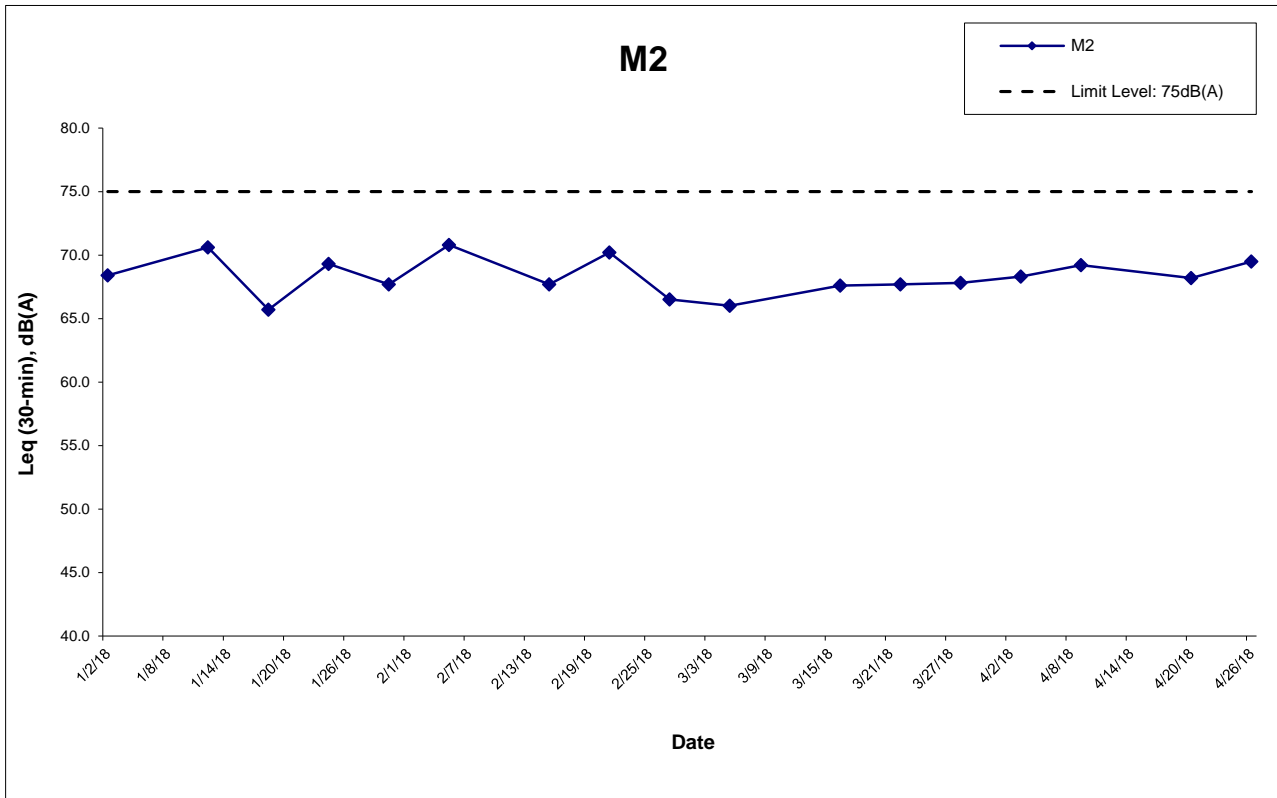
**Location : M3 (Fanling Government Secondary School- Façade)**

Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

Date	Measured Noise Level for 30-min, dB(A)				Limit Level, dB(A)^	Exceedance (Y/N)
	Start Time	Leq	L10	L90		
2-Jan-18	10:00	61.1	62.0	56.6	70	N
12-Jan-18	9:30	63.6	66.7	60.6	70	N
18-Jan-18	10:45	64.2	65.5	63.8	70	N
24-Jan-18	13:15	65.8	67.7	63.6	70	N
30-Jan-18	13:00	60.0	61.0	57.0	65	N
5-Feb-18	14:40	67.4	69.5	65.7	70	N
15-Feb-18	13:05	60.1	61.0	57.5	70	N
21-Feb-18	15:09	64.2	67.5	60.2	70	N
27-Feb-18	13:30	59.5	60.5	57.0	70	N
5-Mar-18	13:00	60.5	61.5	58.0	70	N
16-Mar-18	10:27	65.2	67.0	63.1	70	N
22-Mar-18	13:00	66.1	61.5	57.5	70	N
28-Mar-18	14:40	65.8	67.7	63.2	70	N
3-Apr-18	9:40	63.9	65.6	62.1	70	N
9-Apr-18	13:37	65.8	67.3	62.9	65	Y
20-Apr-18	9:30	65.4	67.3	62.7	70	N
26-Apr-18	10:30	65.6	67.3	61.5	70	N
Minimum for Feb 18 to Apr 18		59.5	60.5	57.0		
Maximum for Feb 18 to Apr 18		67.4	69.5	65.7		
Average for Feb 18 to Apr 18		64.7	66.2	61.8		

\* +3dB(A) Façade effect correction included

^ Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period. Examination period of Fanling Government Secondary School (M3) in this reporting period is 3 - 17, 26 - 31 January 2018. Hong Kong Diploma of Secondary Education Examination (HKDSE) was held on 9 April 2018 at Fanling Government Secondary School (M3).



Remark:  
 ^ Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period. Examination period of Fanling Government Secondary School (M3) in this reporting period is 3 - 17, 26 - 31 January 2018. Hong Kong Diploma of Secondary Education Examination (HKDSE) was held on 9 April 2018 at Fanling Government Secondary School (M3).

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CONTRACT NO. HY/2012/06  
 WIDENING OF FANLING HIGHWAY  
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Graphical Presentation of Impact Daytime Construction Noise  
 Monitoring Results

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**APPENDIX H  
STATISTICS ON COMPLAINTS,  
NOTIFICATION OF SUMMONS AND  
SUCCESSFUL PROSECUTIONS**

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## Appendix H

### Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Contract No. HY/2012/06 – Widening of Fanling Highway – Tai Hang to Wo Hop Shek Interchange

	Date Received	Subject	Status	Total no. followed up by the ET this month	Total no. followed up by the ET since project commencement
<b>Environmental complaints</b>	19 December 2013	EPD referred a complaint from Lot no. 116 of Fui Sha Wai at Tai Hang of Tai Po which is concerned about the construction noise and diesel-like smell generated from construction activities nearby which caused nuisance and health problems on 19 December 2013 morning.	Closed	1	8
	24 February 2014	EPD referred an air-and-odour complaint on 24 February 2014. The complainant complained about the construction site located near the bus stop in Fui Sha Wai, Tai Hang, Tai Wo Service Road West. When construction works were carried out, odour, white smoke and dust were generated. The complainant asked for follow-up actions.	Closed		

Date Received	Subject	Status	Total no. followed up by the ET this month	Total no. followed up by the ET since project commencement
23 October 2014	<p>EPD referred an air complaint on 24 October 2014.</p> <p>A resident complained against the excavation works of Tai Wo Service Road West between Nam Wah Po &amp; Tai Hang Tsuen, which have piled up high stockpiles, causing serious dust nuisance to his house.</p> <p>The resident also complained that the stockpiles have not been covered and watered properly. He now requires the EPD to follow up. The location of complaint is near Lamppost Location EB5717.</p>	Closed		
31 December 2014	<p>EPD referred a water complaint on 31 December 2014.</p> <p>The complainant complained about the muddy river outside Tai Hang Village Office on 29 December 2014. It was suspected that the muddy water was discharged from the construction works of the Project. He required the EPD to follow up.</p>	Closed		
25 March 2015	<p>EPD referred a water complaint on 25 March 2015.</p> <p>The complainant complained about the generation of the smell of gasoline from the Widening of Fanling Highway construction site on Tai Wo Service Road West, causing serious nuisance to nearby houses.</p> <p>The situation has continued for a few weeks and she asked the EPD to follow up as soon as possible.</p>	Closed		

<b>Date Received</b>	<b>Subject</b>	<b>Status</b>	<b>Total no. followed up by the ET this month</b>	<b>Total no. followed up by the ET since project commencement</b>
<p>5 January 2017 (Referred by the Contractor on 13 January 2017)</p>	<p>A complaint was received by the 1823 enquiry and complaint hotline on 5 January 2017. The complaint was referred to the Environmental Team by the Contractor on 13 January 2017.</p> <p>The complainant complained against the dust emission generated by the Widening of Fanling Highway construction site on Tai Wo Service Road West near Tai Hang Village.</p> <p>The complainant also complained that Highway Department did not conduct road surface cleansing, which affects residents' health. He/she now requires the Highway Department to follow up.</p>	<p>Closed</p>		
<p>22 May 2017 (Referred by the Contractor on 23 May 2017)</p>	<p>A complaint was received by the 1823 enquiry and complaint hotline on 22 May 2017. The complaint was referred to the Environmental Team by the Contractor on 23 May 2017.</p> <p>A complainant complained that construction noise was caused by the erection of noise barrier on Tai Wo Service Road West near Tai Hang Village on Sunday(s).</p> <p>The complainant concerned about if any Construction Noise Permit is issued by the Environmental Protection Department.</p>	<p>Closed</p>		

	<b>Date Received</b>	<b>Subject</b>	<b>Status</b>	<b>Total no. followed up by the ET this month</b>	<b>Total no. followed up by the ET since project commencement</b>
	25 February 2018 (Referred by the Contractor on 1 March 2018)	<p>The 1823 enquiry and complaint hotline received a complaint on 25 February 2018. The complaint was referred to the Environmental Team by the Contractor on 1 March 2018.</p> <p>A complainant complained that noise nuisance was caused continuously by road construction works at Fanling Highway near Tai Hang Village during 01:30 to 04:00 on 25 February 2018.</p> <p>The complainant concerned that the nuisance affects residence and asked for follow-up action from the related department.</p>			
<b>Notification of summons</b>	-	-	-	0	0
<b>Successful Prosecutions</b>	-	-	-	0	0

**Contract No. 02/HY/2015 – Provision of Bus-Bus Interchange on Fanling Highway Kowloon Bound**

	<b>Date Received</b>	<b>Subject</b>	<b>Status</b>	<b>Total no. followed up by the ET this month</b>	<b>Total no. followed up by the ET since project commencement</b>
<b>Environmental complaints</b>	-	-	-	0	0
<b>Notification of summons</b>	-	-	-	0	0
<b>Successful Prosecutions</b>	-	-	-	0	0