

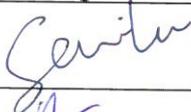
Environmental Protection Department

Contract No. HY/2012/06

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

**Quarterly EM&A Report
for May 2018 to July 2018**

[8/2018]

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

Version:	Rev. 0	Date: 27 August 2018
<p>Disclaimer</p> <p>This report is prepared for Environmental Protection Department and is given for its sole benefit in relation to and pursuant to Contract No. HY/2012/06 and may not be disclosed to, quoted to or relied upon by any person other than Environmental Protection Department without our prior written consent. No person (other than Environmental Protection Department) into whose possession a copy of this report comes may rely on this report without our express written consent and Environmental Protection Department may not rely on it for any purpose other than as described above.</p>		

<p>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</p>

Hyder-Arup-Black & Veatch Joint Venture
c/o Arcadis
17/F, Two Harbour Square,
180 Wai Yip 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/pl/T329380/22
.05/L-0227

Environmental Permit No. EP-324/2008/E

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

3/F Mapletree Bay Point
348 Kwun Tong Road
Kowloon
Hong Kong

27 August 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 May 2018 to July 2018 for the captioned Project received on 16 August 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)

TABLE OF CONTENTS

	Page
EXECUTIVE SUMMARY	2
1 INTRODUCTION	4
1.1 Project Organization and Contacts of Key Management	4
1.2 Programme	4
1.3 Summary of Construction Works	4
2 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS	6
2.1 Monitoring Parameters	6
2.2 Monitoring Locations	6
2.3 Environmental Quality Performance Limits (Action/Limit Levels)	6
2.4 Environmental Mitigation Measures	6
3 AIR QUALITY MONITORING	6
4 NOISE MONITORING	7
5 ADVICE ON THE SOLID AND LIQUID WASTE MANAGEMENT STATUS	8
6 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT	9
7 SUMMARY OF COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS	9
8 COMMENTS, RECOMMENDATIONS AND CONCLUSIONS	10
8.1 Comments	10
8.2 Recommendations	12
8.3 Conclusions	12

List of Tables

Table 1.1	Contact Information of Key Personnel
Table 3.1	Summary of 1-hour TSP Monitoring Results in the Reporting Period
Table 3.2	Summary of 24-hour TSP Monitoring Results in the Reporting Period
Table 3.3	Summary of the Number of Exceedances for 1-hr & 24-hr TSP Monitoring
Table 4.1	Summary of Construction Noise Monitoring Results in the Reporting Period
Table 4.2	Summary of the Number of Monitoring Exceedances for Construction Noise
Table 5.1	Summary of Waste Flow Table for Contract No. HY/2012/06
Table 5.2	Summary of Waste Flow Table for Contract No. 02/HY/2015 (Works Order Nos. CB128520-5 and CB128519-0)

Figures

Figure 1.1	General Project Layout Plan of Contract No. HY/2012/06
Figure 1.2	General Project Layout Plan of Contract No. 02/HY/2015 (Works Order Nos. CB128520-5 and CB128519-0)
Figure 1.3a-b	Locations of Monitoring Station

List of Appendices

Appendix A	Project Organization Structure
Appendix B	Construction Programme
Appendix C	Implementation Schedule of Environmental Mitigation Measures (EMIS)
Appendix D	Summary of Action and Limit Levels
Appendix E	Impact Air Quality Monitoring Results and their Graphical Presentation
Appendix F	Meteorological Data
Appendix G	Impact Daytime Construction Noise Monitoring Results and their Graphical Presentation
Appendix H	Statistics on Complaints, Notifications of Summons and Successful Prosecutions

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)”. The construction works of Works Order Nos. CB128520-5 and CB128519-0 under Contract No. 02/HY/2015 have been completed on 23 May 2018.

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 May 2018 and 31 July 2018. As informed by the Contractor, construction activities of Contract No. HY/12012/06 in the reporting period were as follows:

- Site clearance
- Ground investigation
- Pipe laying
- Retaining wall construction
- Noise barrier
- Excavation
- Backfilling
- Drainage
- 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

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 or Limit Level exceedance of construction noise was recorded in the reporting period. 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 previous reporting period. The exceedance at M3 is considered to be contributed from background noise, possibly traffic noise from Pak Wo Road and Fanling Highway. The exceedance was considered non-project-related.

Complaint, Notification of Summons and Successful Prosecution

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

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
ER (Hyder-Arup-Black & Veatch Joint Venture)	Chief Resident Engineer	Edwin Chung	6115 0818	2638 0950
IEC (Mott MacDonald Hong Kong Limited)	Independent Environmental Checker	Steven Tang	2828 5920	2827 1823
Contractor of [HY/2012/06] (China State Construction Engineering (Hong Kong) Limited)	Environmental Officer	Michael Tsang	9277 4956	2672 2501
		C C Chow	9679 6315	2672 2501
Contractor of [02/HY/2015] (Chiu Hing Construction & Transportation Company Limited)	Safety Officer	Marty Tai	9106 5318	-
ET (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
- 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
- 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, fine and rainy, occasionally cloudy 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 ($\mu\text{g}/\text{m}^3$)
AM2 (Fanling Government Secondary School)	67.4	58.8 – 76.1	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 ($\mu\text{g}/\text{m}^3$)
AM2 (Fanling Government Secondary School)	22.5	9.2 – 47.5	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_{eq} (30 mins)	L_{eq} (30 mins)	L_{eq} (30 mins)
M2* (West Tai Wo)	68.8	66.6 – 71.2	75
M3# (Fanling Government Secondary School)	63.7	59.8 – 66.5	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 or Limit Level exceedance of construction noise was recorded in the reporting period. 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 previous reporting period. The exceedance at M3 is considered to be contributed from background noise, possibly traffic noise from Pak Wo Road and Fanling Highway. The exceedance was considered non-project-related.
- 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, 8,872 m³ of inert C&D material was generated in the reporting period 43 m³ was broken concrete, 3,823 m³ was reused in the Contract, 3,670 m³ was reused in other Projects and 1,336 m³ was disposed as public fill to Tuen Mun 38). 295 kg of general refuse was disposed of at NENT landfill. 0 kg of metals, 212 kg of paper and 3,437 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	1,336 m ³	Tuen Mun 38
Broken concrete	43 m ³	Tuen Mun 38
C&D wastes disposed as general refuse	295 m ³	NENT Landfill
Paper/cardboard packaging	212 kg	Recycling Facilities
Plastics	3,437 kg	Recycling Facilities
Metals	0 kg	Recycling Facilities
C&D materials reused on site	3,823 m ³	Site Area
C&D materials reused in other projects	3,670 m ³	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, 0 m³ of inert C&D material was generated in the reporting month (0 m³ disposed of as public fill to Tuen Mun 38, 0 m³ of inert C&D materials was reused on site, 0 m³ of inert C&D materials was reused in other projects and 0 m³ was broken concrete). For C&D wastes, 0 m³ of general refuse was disposed of at NENT landfill, 1 kg of paper/cardboard packaging, 0 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 ³	Tuen Mun 38
Broken concrete	0 m ³	Tuen Mun 38
C&D wastes disposed as general refuse	0 m ³	NENT Landfill
Paper/cardboard packaging	1 kg	Recycling Facilities
Plastics	0 kg	Recycling Facilities
Metals	0 kg	Recycling Facilities
C&D materials reused on site	0 m ³	Site Area
C&D materials reused in other projects	0 m ³	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 or Limit Level exceedance of construction noise was recorded in the reporting period. 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 previous reporting period. The exceedance at M3 is considered to be contributed from background noise, possibly traffic noise from Pak Wo Road and Fanling Highway. The exceedance was considered non-project-related.

7 SUMMARY OF COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS

- 7.1.1 No complaint, notification of summons and successful prosecution was received in the reporting period.
- 7.1.2 The statistics on complaints, notifications of summons and successful prosecutions are summarized in Appendix H.
- 7.1.3 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 clear the mud trails and ensure all vehicles are properly wheel-washed before leaving the site.
- The Contractor was reminded to maintain the vehicular exit free from dusty material.
- The Contractor was advised to cover the exposed stockpile of dusty materials with impervious sheeting for dust suppression.
- The Contractor was advised to ensure valid NRMM labels are provided for all machineries before operation.
- The Contractor was advised to ensure the channel directing the runoff from the wheel washing facility to sedimentation tank without overflow.
- The Contractor was advised to cover the stockpile of more than 20 bags of cement entirely with impervious sheeting for dust suppression.

Construction Noise Impact

- The Contractor was reminded to wrap the breaker tip before operation as a noise mitigation measure.

Water Quality Impact

- The Contractor was advised to provide sufficient measures to prevent surface runoff of muddy water being spilled from the site to public area.
- The Contractor was reminded to ensure the drainage system clear of dusty materials.
- The Contractor was reminded to remove the stagnant water and treat the wastewater properly before discharge.
- The Contractor was advised to provide sandbags along the site boundary to prevent surface runoff leaking outside the site area.
- The Contractor was advised to implement effective measures to direct surface runoff to the sedimentation tank.

Chemical and Waste Management

- The Contractor was advised to provide chemical containers with secondary containment.

Landscape and Visual Impact

- Nil.

Miscellaneous

- Nil.

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

- Nil.

Landscape and Visual Impact

- Nil.

Miscellaneous

- Nil.

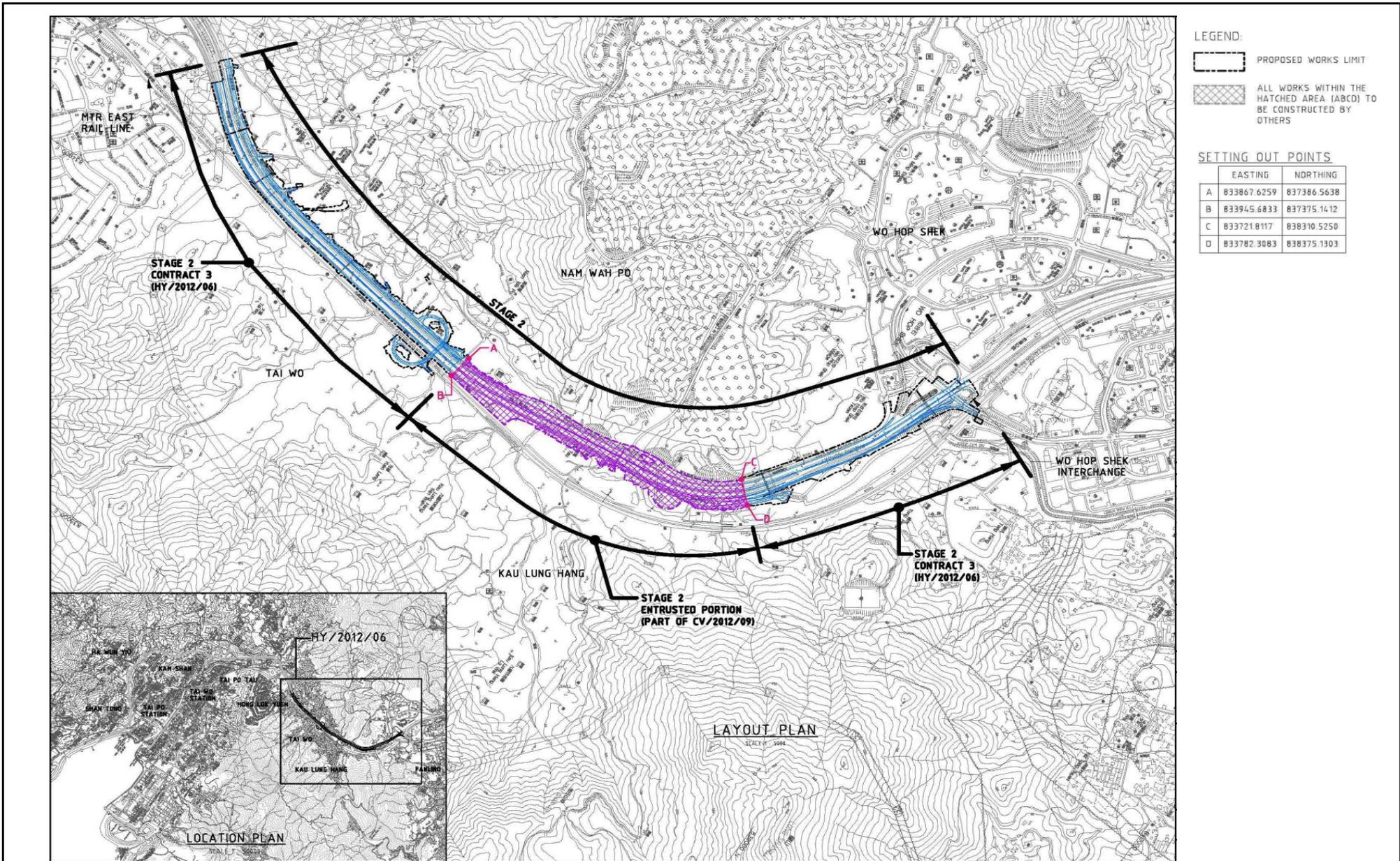
8.2 Recommendations

- 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 or Limit Level exceedance of construction noise was recorded in the reporting period. 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 previous reporting period. The exceedance at M3 is considered to be contributed from background noise, possibly traffic noise from Pak Wo Road and Fanling Highway. The exceedance was considered non-project-related.
- 8.3.4 No complaint, notification of summons and successful prosecution was received in the reporting period.

FIGURES



This Drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent.

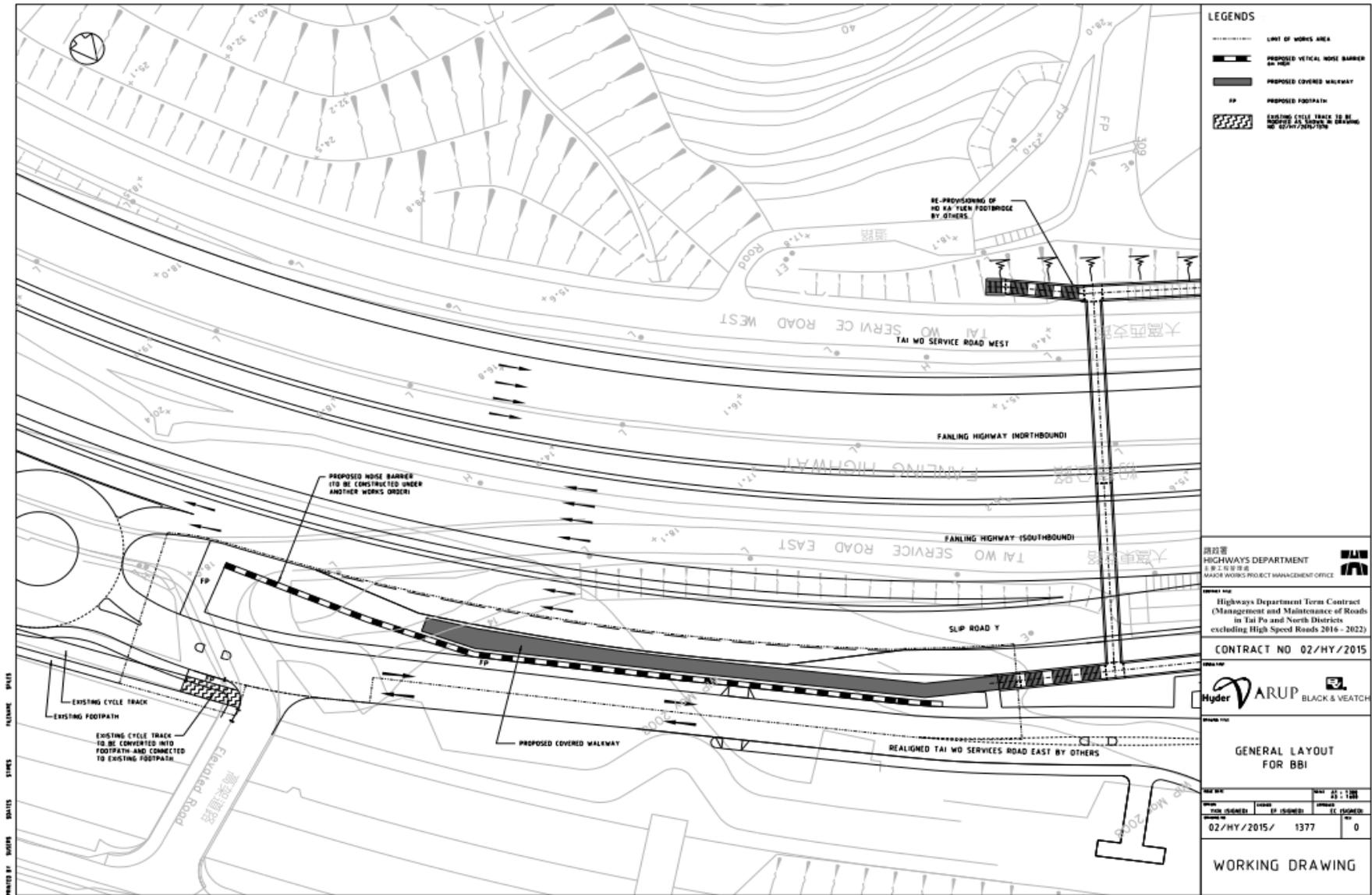
CONTRACT NO. HY/2012/06
 WIDENING OF FANLING HIGHWAY
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Layout Plan

Date: Dec 2013

Figure 1.1



This Drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent.

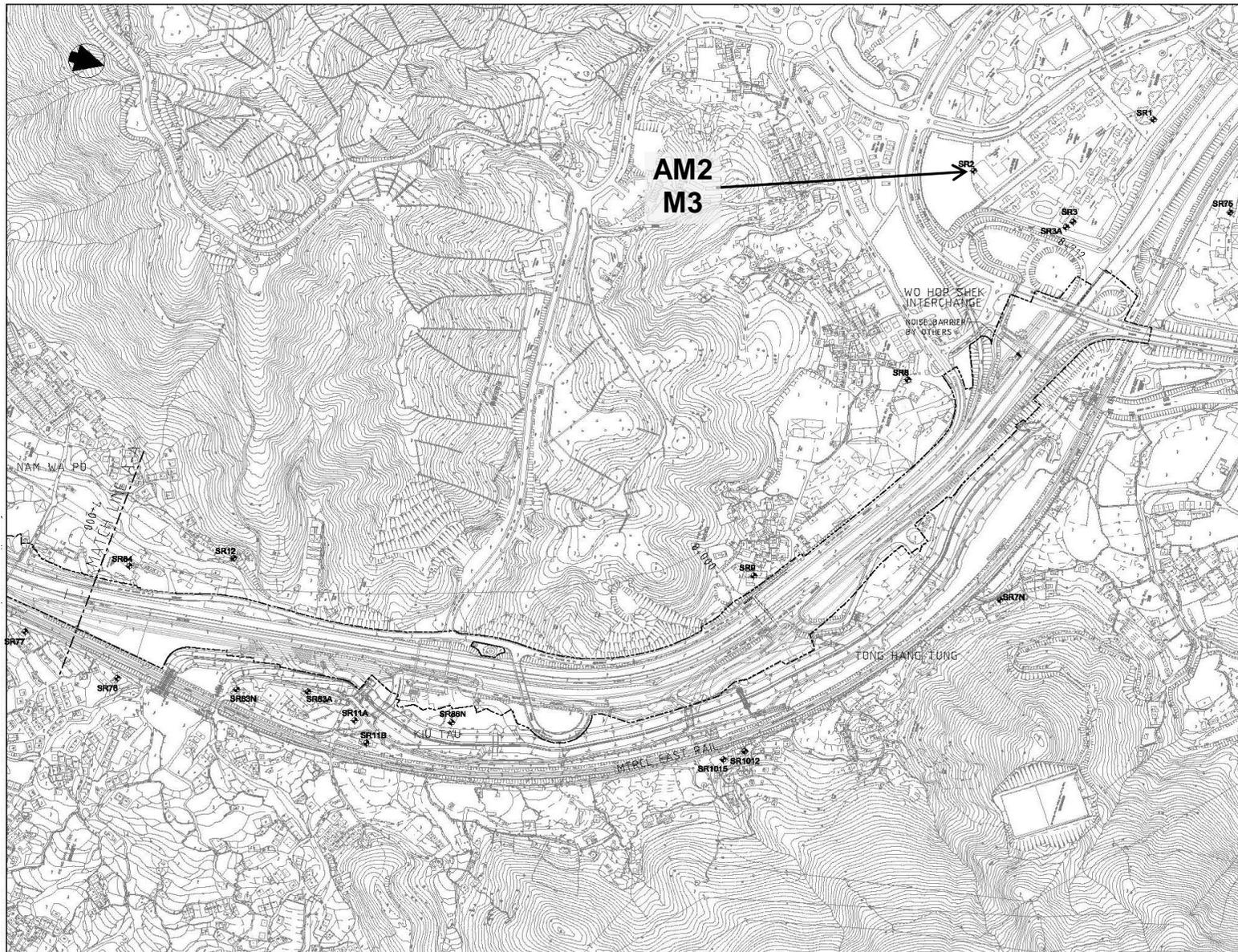
CONTRACT NO. 02/HY/2015
 PROVISION OF BUS-BUS INTERCHANGE ON FANLING HIGHWAY KOWLOON BOUND



Layout Plan

Date: Apr 2017

Figure 1.2



This Drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent.

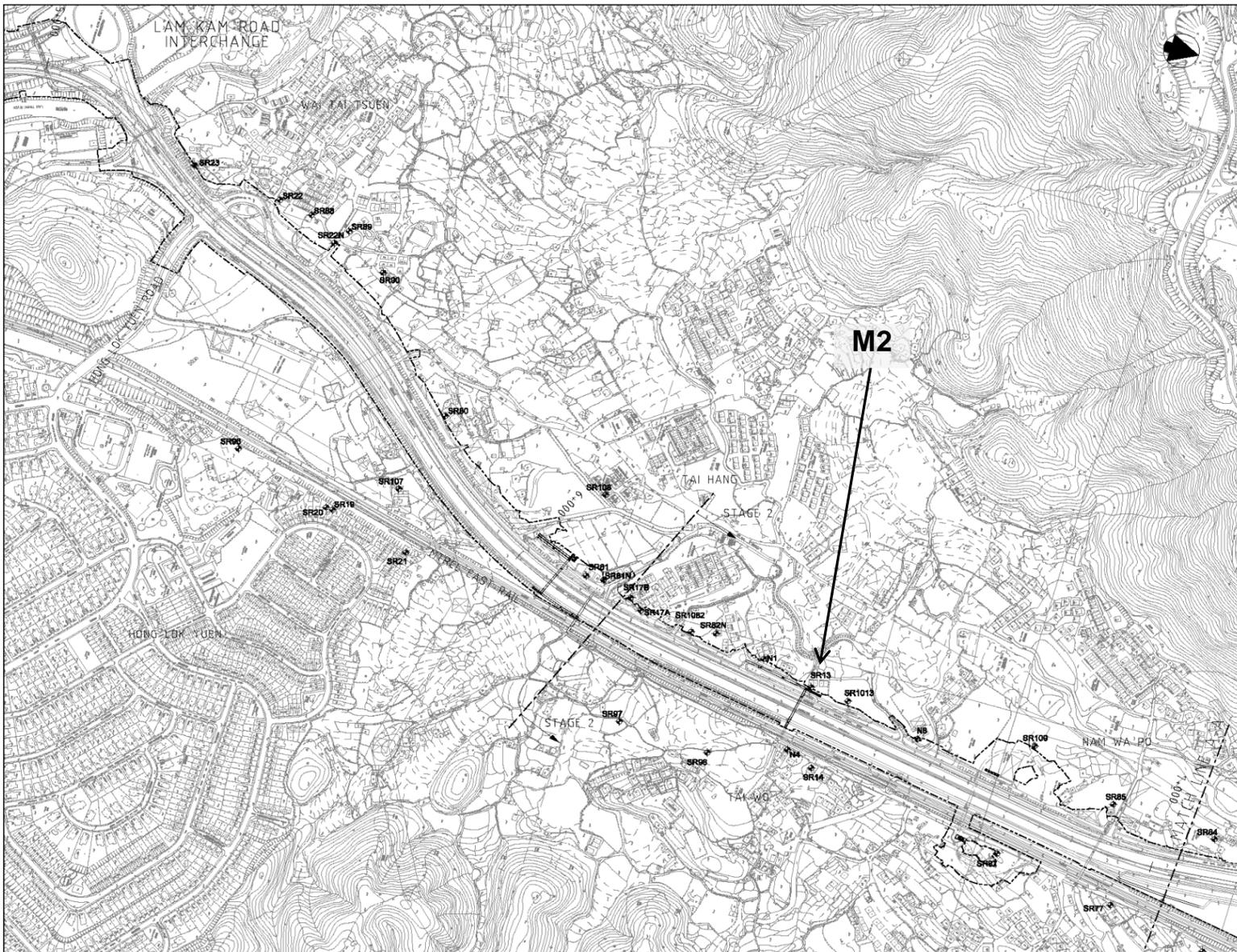
CONTRACT NO. HY/2012/06
 WIDENING OF FANLING HIGHWAY
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Locations of Monitoring Station

Date: Dec 2013

Figure 1.3a



This Drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent.

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

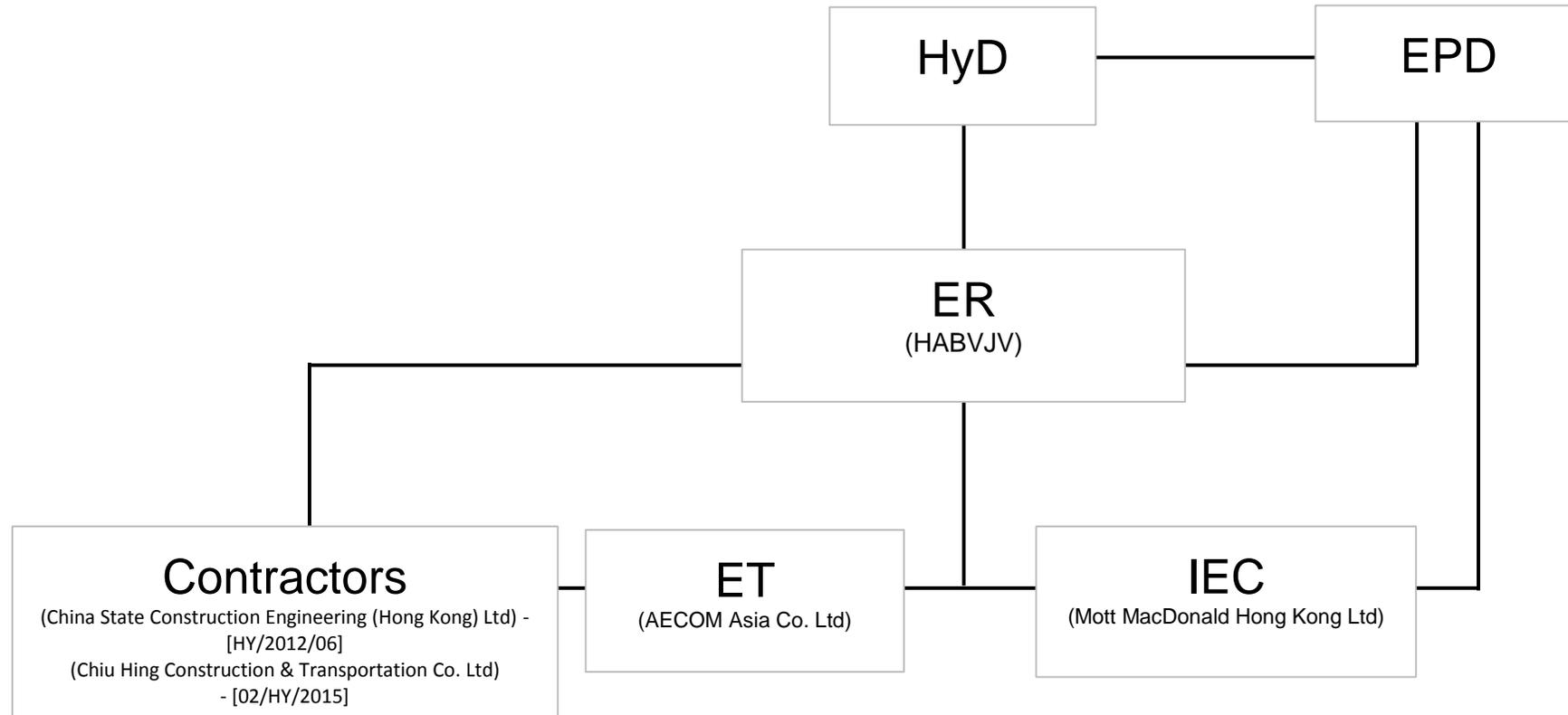


Locations of Monitoring Station

Date: Dec 2013

Figure 1.3b

**APPENDIX A
PROJECT ORGANIZATION STRUCTURE**



This Drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent.

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



Project Organization Structure

**APPENDIX B
CONSTRUCTION PROGRAMMES**

**CONSTRUCTION PROGRAMME OF
MAY 2018**

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018					
								May	Jun	Jul	Aug		
Contract Condition													
General													
Contract Condition													
Contract Condition													
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-May-18		781						◆ Site Area SA323A (360d) (not required)
POSSA327	Site Area SA327 (180d)	0%	0	0	20-May-18*		-1235						◆ Site Area SA327 (180d)
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-May-18*		-1037						◆ Site Area SA327A (730d)
POSSA345	Site Area SA345 (0d)	0%	0	0	20-May-18*		-902						◆ Site Area SA345 (0d)
ZONE 1 (Ch. 5640 to 5880)													
Noise Barrier Along Fanling Highway N/B													
NB43B (Ch.5640-5880)-FH N/B Side													
Noise Barrier Works													
NB01215	1200 & 450m watermain work	0%	26	26	21-May-18	21-Jun-18	28						
NB01217	NB43B-1 - Footing & Wall Structure (bay 1-2)	0%	26	26	22-Jun-18	23-Jul-18	28						
NB01220	NB43B-1 - Footing & Wall Structure (bay 3-8)	89.01%	10	91	08-Jan-18 A	01-Jun-18	56						
NB01225	NB43B-1 (0-100m) - Drainage Works	0%	24	24	07-Jul-18	03-Aug-18	28						
NB01230	NB43B-1 - backfilling	0%	12	12	04-Aug-18	17-Aug-18	28						
NB01240	NB43B-1 - NB production	0%	45	45	02-Jun-18	16-Jul-18	308						
NB01250	NB43B-1 - NB post & panel installation	0%	5	5	18-Aug-18	23-Aug-18	223						
NB01270	NB43B-2 - Footing & Wall Structure (bay 9-16)	68.89%	42	135	13-Jan-18 A	11-Jul-18	24						
NB01275	NB43B-2 (100-200m) - Drainage Works	0%	24	24	12-Jul-18	08-Aug-18	24						
NB01280	NB43B-2 - backfilling	0%	12	12	09-Aug-18	22-Aug-18	24						
NB01290	NB43B-2 - NB production	0%	45	45	12-Jul-18	25-Aug-18	268						
NB01325	NB43B-3 (200-260m) - Drainage Works	0%	24	24	21-May-18	19-Jun-18	48						
NB01330	NB43B-3 - backfilling	0%	12	12	20-Jun-18	04-Jul-18	66						
NB01340	NB43B-3 - NB production	0%	45	45	20-May-18	03-Jul-18	321						
NB01350	NB43B-3 - NB post & panel installation	0%	5	5	05-Jul-18	10-Jul-18	261						
ZONE 2 (Ch. 5880 to 6930)													
General													
DRM Proposal													
DRM Proposal													
ADVZ20290	NB at FLHY N/B construction Period (Zone 2)	36.22%	206	323	20-Nov-17 A	25-Jan-19	-50						
ADVZ20310	NB at FLHY N/B construction Period (Zone 1)	70.11%	78	261	05-Oct-17 A	22-Aug-18	24						
Noise Barrier Along Fanling Highway N/B													
NB43A (Ch.5880-6060)-FH N/B Side													
Noise Barrier Works													
NB001090	NB43A - ID1-2 Sheet piling & Excavation	0%	10	10	20-Apr-18 A	01-Jun-18	47						
NB001100	NB43A - ID1-2 Footing & Wall Structure	0%	40	40	03-May-18 A	09-Jul-18	32						
NB001105	NB43A - ID1-2 Drainage Works	0%	24	24	10-Jul-18	06-Aug-18	32						
NB001110	NB43A - ID1-2 backfilling	0%	12	12	07-Aug-18	20-Aug-18	80						
NB001120	NB43A - ID1-2 NB production	0%	45	45	10-Jul-18	23-Aug-18	245						
NB01525	NB43A-1 (0-61.5m) - Drainage Works	0%	24	24	21-May-18	19-Jun-18	120						
NB01530	NB43A-1 - backfilling	0%	12	12	20-Jun-18	04-Jul-18	120						
NB01540	NB43A-1 - NB production	0%	45	45	20-May-18	03-Jul-18	296						
NB01550	NB43A-1 - NB post & panel installation	0%	5	5	05-Jul-18	10-Jul-18	241						
NB01560	NB43A-2 (86.8-166.7m) - Sheet piling & Excavation (bay 7-14)	43.75%	18	32	02-Apr-18 A	11-Jun-18	78						
NB01570	NB43A-2 - Footing & Wall Structure (bay 7-14)	37.14%	66	105	03-Apr-18 A	08-Aug-18	30						
NB01575	NB43A-2 (86.8-166.7m) - Drainage Works	0%	24	24	09-Aug-18	05-Sep-18	30						
NB01590	NB43A-2 - NB production	0%	45	45	09-Aug-18	22-Sep-18	215						
NB03330	Bus Shelter footing at NB43A - VO86	0%	30	30	09-Aug-18	12-Sep-18	48						
NB50 (Ch.6060-6130)-FH N/B Side													
Noise Barrier Works													
NB001150	NB50 -piling (0.19m -28no)	25%	21	28	05-May-18 A	14-Jun-18	-17						
NB001160	NB50 -Sheet piling & Excavation	0%	15	15	15-Jun-18	04-Jul-18	24						
NB001170	NB50 -Footing & Wall Structure	0%	60	60	05-Jul-18	12-Sep-18	24						
NB50A (Ch.6130-6450)-FH N/B Side													
Noise Barrier Works													
NB001220	NB50A - ID2-2 piling (0.19m -18no)	0%	18	18	15-Jun-18	07-Jul-18	-17						
NB001230	NB50A - ID2-2 Sheet piling & Excavation	0%	12	12	09-Jul-18	21-Jul-18	-17						
NB001240	NB50A - ID2-2 Footing & Wall Structure	0%	50	50	23-Jul-18	18-Sep-18	-17						
NB01606	NB50A (0-108m)(NB50A/1-11, 0.19m -60nos) Piling (s3)	0%	60	60	21-May-18	01-Aug-18	12						
NB01610	NB50A (0-108m) - Sheet piling & Excavation	0%	12	12	02-Aug-18	15-Aug-18	12						
NB01620	NB50A(0-108m) - Footing & Wall Structure	0%	42	42	16-Aug-18	05-Oct-18	12						
NB01656	NB50A (132-228m)(NB50A/12-S2, 0.19m -44nos) & FVMS1 (8 nos)	0%	52	52	21-May-18	23-Jul-18	-8						
NB01660	NB50A (132-228m) - Sheet piling & Excavation	0%	10	10	24-Jul-18	03-Aug-18	-8						

	Project ID:WP Rev 06 (1805)	<p align="center">Contract No. HY/2012/06</p> <p align="center">Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange</p> <p align="center">3 Month Rolling Program(20-May-18)</p>		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			
								May	Jun	Jul	Aug
NB01670	NB50A (132-228m) - Footing & Wall Structure	0%	48	48	04-Aug-18	29-Sep-18	-8				
NB01706	NB50A (228-309m)(NB50A/S4-S5, 0.19m -18nos) & ADS1 (8nos)Piling	0%	26	26	21-May-18	21-Jun-18	46				
NB01710	NB50A (225-311m) - Sheet piling & Excavation	0%	12	12	22-Jun-18	06-Jul-18	46				
NB01720	NB50A-3 - Footing & Wall Structure	0%	48	48	07-Jul-18	31-Aug-18	46				
NB60 (Ch.6450-6920)-FH N/B Side											
Noise Barrier Works											
NB01770	NB60 (15-63m)(NB60/1-4, 0.19m -16nos) Piling	0%	16	16	08-May-18 A	08-Jun-18	62				
NB01780	NB60-1 (15-63m) - Sheet piling & Excavation	0%	12	12	25-Jul-18	07-Aug-18	25				
NB01790	NB60-1 -(15-63m) Footing & Wall Structure	0%	30	30	08-Aug-18	11-Sep-18	25				
NB01850	NB60-2 (63-174m) - Sheet piling & Excavation	50%	9	18	20-Apr-18 A	31-May-18	54				
NB01860	NB60-2 - Footing & Wall Structure	11.67%	53	60	27-Apr-18 A	24-Jul-18	25				
NB01880	NB60-2 - NB production	0%	45	45	25-Jul-18	07-Sep-18	230				
NB01930	NB60-ID3-2 - Footing & Wall Structure	0%	50	50	01-Jun-18	31-Jul-18	43				
NB01935	NB60-ID3-2 ((174-192m) - Drainage Works	0%	18	18	01-Aug-18	21-Aug-18	43				
NB01950	NB60-ID3-2 - NB production	0%	45	45	01-Aug-18	14-Sep-18	223				
NB01980	NB60 (192-300m)(NB60/16-25, 0.19m -40nos) Piling	81.08%	14	74	01-Feb-18 A	09-Jun-18	-16				
NB01990	NB60-3 (192-300m) - Sheet piling & Excavation	0%	15	15	11-Jun-18	28-Jun-18	-16				
NB02000	NB60-3 (192-300m) - Footing & Wall Structure	0%	60	60	29-Jun-18	07-Sep-18	-16				
Underground Utility Works											
Underground Utility Works											
NB001145	CLP 11kv cable along N/B NB pile location disconnect by CLP	90%	3	30	29-Dec-17 A	24-May-18	-52				
NB001146	CLP 11kv cable along N/B NB base location disconnect by CLP	0%	6	6	25-May-18	31-May-18	7				
Bridge Construction											
New Tai Hang Footbridge											
TWSR-West/ FL Highway N/B Side Section											
THBF0620	Finishes Work	84.04%	64	401	27-Feb-17 A	06-Aug-18	218				
THBF0625	Bridge Structure complete (THFB-TWSR-W side)	0%	0	0		06-Aug-18	218				06-Aug-18 ◆ Bridge Str
Crossing Fanling Highway Section											
THBF0590	Finishes Work	0%	60	60	21-May-18	01-Aug-18	222				
THBF0600	Bridge Structure complete (THFB-Cross fanling highway)	0%	0	0		01-Aug-18	222				01-Aug-18 ◆ Bridge Structur
TWSR-East FL Highway S/B Side Section											
THBF0470	THAB1 - pile cap & abutment wall	90.76%	45	487	21-Nov-16 A	20-Aug-18	126				
THBF0800	ABWF work	0%	30	30	21-May-18	26-Jun-18	252				
Lift at TWSR-W Side											
L1530	Structural Laminated glass wall installation	33.33%	20	30	20-Apr-18 A	13-Jun-18	159				
L1550	Metal cover on RC platform	0%	30	30	21-May-18	26-Jun-18	132				
L1555	Glass canopy on ground level	0%	30	30	27-Jun-18	01-Aug-18	222				
L1560	Lift installation (NF115)	0%	70	70	27-Jun-18	17-Sep-18	149				
L1590	E&M and Finishes work	0%	120	120	27-Jun-18	17-Nov-18	132				
Lift at FLHY S/B											
L1370	Lift shaft & roof	90.94%	46	508	20-Sep-16 A	16-Jul-18	32				
L1380	Structural Laminated glass wall installation	0%	30	30	17-Jul-18	20-Aug-18	62				
L1390	RC Platform connect to bridge (THSC-2 & TH-P2)	0%	30	30	17-Jul-18	20-Aug-18	32				
L1450	CLP Power available (by CLP)	87.89%	92	760	21-Jun-16 A	19-Aug-18	162				
New Tai Wo Footbridge											
General											
TWFB1090	Steel Bridge prefabrication (TWFB)	88.97%	61	553	15-Aug-16 A	02-Aug-18	86				
TWFB1100	Steel Bridge available on site (TWFB)	0%	0	0	03-Aug-18		86				◆ Steel Bridge a
TWSR-West/ FL Highway N/B Side Section											
TWFB1390	Finishes Work	82.18%	59	331	20-May-17 A	31-Jul-18	209				
TWFB1400	Bridge Structure complete (TWFB-TWSR-W side)	0%	0	0		31-Jul-18	209				31-Jul-18 ◆ Bridge Structure
Crossing Fanling Highway Section											
TWFB1440	TWP2 - Pile cap	0%	30	30	21-May-18	26-Jun-18	58				
TWFB1445	TWP2 - Pier and Pier Head	0%	45	45	27-Jun-18	18-Aug-18	58				
TWFB1448	Erect Temp tower for TWFB erection at Central Divier	0%	30	30	18-Aug-18	21-Sep-18	43				
TWSR-East FL Highway S/B Side Section											
TWFB1480	Precautionary work for MTRC I&P area	80%	11	55	20-Feb-18 A	02-Jun-18	43				
TWFB1550	TWP3 - Pre-bored H pile (6 nos)	0%	18	18	04-Jun-18	25-Jun-18	43				
TWFB1570	TWP3 - Pile cap, Pier and Pier Head	0%	75	75	26-Jun-18	21-Sep-18	43				
Lift at TWSR-W Side											
L1680	Structural Laminated glass wall installation	73.58%	14	53	17-Mar-18 A	06-Jun-18	147				
L1690	RC Link slab connect to bridge	98.11%	1	53	17-Mar-18 A	21-May-18	117				
L1700	Metal cover on RC platform	0%	30	30	23-May-18	27-Jun-18	117				
L1710	Glass canopy on ground level	0%	30	30	28-Jun-18	02-Aug-18	574				
L1730	Lift submission & ordering period	25.83%	89	120	20-Mar-18 A	16-Aug-18	106				
L1740	Lift installation	0%	70	70	17-Aug-18	09-Nov-18	88				
L1770	E&M and Finishes work	0%	120	120	28-Jun-18	19-Nov-18	117				
L1780	CLP Power available (by CLP)	89.15%	74	682	20-Aug-16 A	01-Aug-18	209				
Signalized Junction											
New Tai Hang Footbridge											
TWSR-West/ FL Highway N/B Side Section											
THBF0670	E-prom ordering by EMSD (Tai hang Junction)	0%	90	90	08-Jul-18	05-Oct-18	93				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								May	Jun	Jul	Aug	
Noise Barrier Along Fanling Highway S/B												
NB51 (Ch.5935-6055)-FH S/B Side												
Noise Barrier Works												
NB02300	NB51 ID1-3 (0-25m) - NB production	95.99%	14	349	20-May-17 A	02-Jun-18	327					
NB02310	NB51 ID1-3 (0-25m) - NB post & panel installation	0%	5	5	04-Jun-18	08-Jun-18	266					
NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02430	Precautionary Measure installation	0%	26	26	21-May-18	21-Jun-18	83					
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	22-Jun-18	23-Jul-18	120					
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	24-Jul-18	03-Oct-18	120					
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	22-Jun-18	04-Jul-18	83					
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs	0%	27	27	05-Jul-18	04-Aug-18	83					
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	06-Aug-18	29-Aug-18	83					
NB02590	NB53 (125-180m) - NB production	99.02%	7	714	20-May-16 A	26-May-18	334					
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	28-May-18	01-Jun-18	272					
NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02660	NB55 - NB production	99.19%	7	866	15-Jan-16 A	26-May-18	334					
NB02670	NB55 - NB post & panel installation	0%	5	5	28-May-18	01-Jun-18	272					
NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02730	NB56 - NB production	99.13%	7	804	20-Feb-16 A	26-May-18	334					
NB02740	NB56 - NB post & panel installation	0%	5	5	28-May-18	01-Jun-18	272					
NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02790	NB61 (0-50m)- backfilling	71.43%	28	98	20-Jan-18 A	23-Jun-18	254					
NB02800	NB61 (0-50m) - NB production	86.54%	14	104	20-Jan-18 A	02-Jun-18	327					
NB02810	NB61 (0-50m) - NB post & panel installation	0%	5	5	04-Jun-18	08-Jun-18	266					
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-May-18	03-Jul-18	296					
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242					
NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02920	NB61A (0-50m) - NB production	94.61%	45	835	20-Feb-16 A	03-Jul-18	296					
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242					
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	94%	57	950	01-Apr-15 A	28-Jul-18	185					
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	30-Jul-18	21-Aug-18	200					
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	28-Jul-18	11-Sep-18	226					
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	05-May-18 A	26-May-18	277					
Fanling Highway Construction												
Drainage & Road Works												
Ch 5880-6740												
RDZ41240	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 4)	84.43%	26	167	25-Oct-17 A	21-Jun-18	46					
RDZ41250	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 3)	0%	60	60	22-Jun-18	31-Aug-18	46					
Other Works												
TCSS Works												
ADS1												
TCSS1970	Back filling & reinstatement road work (2m)	0%	18	18	21-May-18	11-Jun-18	174					
TCSS1980	TTA application & Approval - ADS1	0%	90	90	11-Aug-18	27-Nov-18	34					
FADS1												
TCSS2050	TTA application & Approval - FADS1	0%	90	90	07-Jul-18	23-Oct-18	34					
G55												
TCSS1740	TTA application & Approval - G55	0%	90	90	26-May-18	10-Sep-18	38					
South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)												
Noise Barrier Along TWSR-West and Laying New Utilities												
NB64 & NB64A (Ch.6860-6920)-TWSR West Side												
Noise Barrier Works												
NB003350	Bus Shelter footing & shelter near NB64 - VO86	0%	40	40	21-May-18	09-Jul-18	242					
Noise Barrier Along Fanling Highway N/B												
NB60 (Ch.6450-6920)-FH N/B Side												
Noise Barrier Works												
NB02040	NB60 (300-408m)(NB60/26-S4, 0.19m -26nos) Piling	77.11%	19	83	27-Jan-18 A	15-Jun-18	-52					
NB02050	NB60-4 (300-408m) - Sheet piling & Excavation	0%	12	12	16-Jun-18	30-Jun-18	-52					
NB02060	NB60-4 - Footing & Wall Structure	0%	50	50	03-Jul-18	29-Aug-18	-52					
NB02100	NB60 (408-468m)(NB60/18B-1 to S6, 0.19m -32nos) Piling	0%	32	32	16-Jun-18	25-Jul-18	14					
NB02101	NB60 (408-468m) FADS1 (8nos) Piling	0%	8	8	26-Jul-18	03-Aug-18	14					
NB66 (Ch.6920-6930)-FH N/B Side												
Noise Barrier Works												
NB02165	NB66 - Drainage Works	11.11%	16	18	08-May-18 A	08-Jun-18	16					
NB02170	NB66- backfilling	0%	15	15	27-Jun-18	14-Jul-18	111					
NB02180	NB66 - NB production	0%	45	45	20-May-18	03-Jul-18	296					
NB02190	NB66 - NB post & panel installation	0%	5	5	16-Jul-18	20-Jul-18	232					
NB03320	Bus Shelter footing - VO86	0%	30	30	21-May-18	26-Jun-18	111					
Bridge Construction												
Kau Lung Hang Vehicular Bridge												
KLH Bridge - West Ramp												

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								May	Jun	Jul	Aug
KLH.1290	West Ramp - Planting	0%	21	21	21-May-18	14-Jun-18	261				
KLH Bridge - Deck 1											
KLH.3430	Deck 1 - Planting	0%	21	21	21-May-18	14-Jun-18	261				
KLH Bridge - Deck 3											
KLH.3500	Deck 3 - Planting	0%	21	21	21-May-18	14-Jun-18	293				
KLH Bridge - East Ramp											
KLH.3590	East Ramp - Planting	0%	34	34	21-May-18	30-Jun-18	601				
KLH Bridge - Ramp R1											
Z2.KLH.3610	Ramp R1 - Steel roof	97.06%	11	374	19-Jan-17 A	02-Jun-18	271				
KLH Bridge - Ramp R2											
Z2.KLH.1550	Ramp R2 - Steel roof	95.29%	16	340	14-Mar-17 A	08-Jun-18	266				
KLH Bridge - Staircase S1											
Z2.KLH.1460	S1 - Staircase steel work, handrail Shop drawing submission &	56.67%	39	90	28-Apr-18 A	27-Jun-18	0				
Z2.KLH.1462	S1 - Steel work ordering	0%	120	120	28-Jun-18	25-Oct-18	0				
Bridge Road Work											
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	21-May-18	12-Oct-18	162				
Lift at TWSR-W Side											
L01070	Structural Laminated glass wall installation	0%	11	11	29-Jun-18*	12-Jul-18	150				
L01090	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	21-May-18	21-May-18	193				
L01100	Lift installation	0%	70	70	13-Jul-18	04-Oct-18	150				
L01130	Finishes work	0%	88	88	13-Jul-18	26-Oct-18	151				
L01140	CLP Power available (by CLP)	95.89%	32	778	04-Apr-16 A	20-Jun-18	289				
Lift at FLHY S/B											
L01230	Structural Laminated glass wall installation	0%	12	12	20-Apr-18 A	04-Jun-18	210				
L01250	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	21-May-18*	21-May-18	222				
L01260	Lift installation	0%	45	45	05-Jun-18	28-Jul-18	211				
L01270	Lift T&C	0%	14	14	28-Jul-18	11-Aug-18	257				
L01280	EMSD inspection & approval (Assume 7 days is required instead)	0%	7	7	11-Aug-18	18-Aug-18	257				
L01290	Finishes work	0%	60	60	05-Jun-18	15-Aug-18	210				
L01300	CLP Power available (by CLP)	92.21%	63	809	04-Apr-16 A	21-Jul-18	264				
L01310	Lift available - NF117-Lift 2	0%	0	0		18-Aug-18	207				18-Aug-18 ♦
Signalized Junction											
Kau Lung Hang Vehicular Bridge											
KLH Bridge - West Ramp											
Z2.KLH.1032	Installation of Traffic Signal Poles at TWSR-W N/B (KLHVB)	0%	21	21	21-May-18*	14-Jun-18	255				
Z2.KLH.1042	Ducting & Cable Draw Installation (KLHVB)	0%	30	30	18-Aug-18	21-Sep-18	136				
Z2.KLH.1062	E-prom ordering by EMSD (KLHVB)	0%	90	90	20-May-18	17-Aug-18	166				
Noise Barrier Along Fanling Highway S/B											
NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB03110	NB62 (0-80m) - NB production	66.67%	15	45	20-Apr-18 A	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	21-May-18	06-Jun-18	263				
NB03160	NB62 (80-110m) Under bridge - NB production	0%	45	45	20-May-18	03-Jul-18	296				
NB03170	NB62 (80-110m) Under bridge - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242				
NB03200	NB62 (110-170m) - backfilling	0%	20	20	21-May-18	13-Jun-18	257				
NB03210	NB62 (110-170m) - NB production	0%	45	45	20-May-18	03-Jul-18	296				
NB03220	NB62 (110-170m) - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242				
Fanling Highway Construction											
Drainage & Road Works											
Ch 6740-6930											
RDZ20490	Z2 (CH6740-6930) : Fanling Highway S/B - D&R works (lane 4)	82.46%	30	171	25-Oct-17 A	26-Jun-18	252				
RDZ20500	Z2 (CH6740-6930) : Fanling Highway S/B - D&R works (lane 3)	0%	24	24	22-Jun-18	20-Jul-18	232				
North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)											
Bridge Construction											
New Ho Ka Yuen Footbridge											
TWSR-West/ FL Highway N/B Side Section											
HKY1440	Remaining Finishes works of HKYFB	87.82%	57	468	21-Nov-16 A	28-Jul-18	212				
HKY1520	VO11 - slope improvement work	0%	45	45	30-Jul-18	19-Sep-18	212				
TWSR-East FL Highway S/B Side Section											
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	81.62%	100	544	13-Oct-16 A	17-Sep-18	214				
ZONE 4 (Ch. 7925 to 8700)											
Noise Barrier Along TWSR-West and Laying New Utilities											
Underground Utility Works											
DN450 DI Watermain "A" (Ch 1989-2529)											
DI0180	DN450 DI watermain laying (400-450m)	83.33%	5	30	20-Apr-18 A	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				
Noise Barrier Along Fanling Highway N/B											
NB75 (Ch.7930-8090)-FH N/B Side											
Noise Barrier Works											
NB4275	NB75 - NB panel installation	0%	20	20	21-May-18	13-Jun-18	129				
NB4280	NB75 complete	0%	0	0		13-Jun-18	129				13-Jun-18 ♦ NB75 complete
NB77 (Ch.8090-8450)-FH N/B Side											
Noise Barrier Works											

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								May	Jun	Jul	Aug
NB4310	NB77 - Footing & Wall Structure (Ch8090-8190)	93.28%	16	238	20-Jul-17 A	08-Jun-18	38				
NB4320	NB77 - backfilling (Ch8090-8190)	0%	20	20	15-Jun-18	10-Jul-18	33				
NB4330	NB77 - NB production (Ch8090-8190)	0%	45	45	09-Jun-18	23-Jul-18	99				
NB4340	NB77 - NB post & panel installation (Ch8090-8190)	0%	15	15	24-Jul-18	09-Aug-18	82				
NB4400	NB77 - NB post & panel installation (Ch8190-8290)	0%	15	15	21-May-18	07-Jun-18	134				
NB4440	NB77 - backfilling (Ch8290-8390)	0%	20	20	09-Aug-18	31-Aug-18	8				
NB4450	NB77 - NB production (Ch8290-8390)	55.56%	20	45	03-May-18 A	08-Jun-18	144				
NB4482	NB77 - Footing & Wall Structure (NB77/27 - 28, N1-N2)	50%	25	50	20-Apr-18 A	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				
NB4510	NB77 - NB production (Ch8390-8450)	0%	45	45	18-Aug-18	02-Oct-18	40				
NB4620	NB77 Drainage Works	0%	86	75	10-May-18 A	31-Aug-18	8				
Bridge Construction											
New Wo Hop Shek Pedstrian & Cycle Bridge											
TWSR-West/ FL Highway N/B Side Section											
WHS1228	WHSP7 - Pile cap, Pier and Pier Head	0%	45	45	07-Aug-18	28-Sep-18	118				
WHS1410	Erect 2nd half Ramp	43.33%	34	60	03-May-18 A	30-Jun-18	118				
WHS1420	Ramp Finishes Work	0%	30	30	03-Jul-18	06-Aug-18	118				
TWSR-West Construction											
Drainage & Road Works											
TWSR-West/ FL Highway N/B Side Section											
RDZ41180	TWSR -W Road Works rectification	0%	50	50	08-Aug-18	06-Oct-18	199				
VO - Wall 76A Construction											
Retaining Wall W76A											
TWSR-East FL Highway S/B Side Section											
W76A1060	Road work for Caltex access road	61.16%	47	121	16-Jan-18 A	17-Jul-18	267				
Fanling Highway Construction											
Drainage & Road Works											
TWSR-West/ FL Highway N/B Side Section											
RDZ41104	Construct FH N/B Lane 2 (at NBZ2)	0%	20	20	21-May-18	13-Jun-18	34				
RDZ41106	Construct FH N/B Lane 3 (at NBZ2)	0%	20	20	14-Jun-18	09-Jul-18	34				
RDZ41108	Construct FH N/B Lane 4 (at NBZ2)	0%	20	20	10-Jul-18	01-Aug-18	34				
TWSR-East FL Highway S/B Side Section											
RDZ41131	Drainage work at central divider (Ch8100-8600)	84.83%	32	211	10-Oct-17 A	28-Jun-18	82				
RDZ41133	Construct FH S/B Lane 3 (Ch8100-8600)	23.21%	86	112	27-Mar-18 A	31-Aug-18	88				
RDZ41135	Construct FHS/B Lane 4 (Ch8100-8600)	23.21%	86	112	27-Mar-18 A	31-Aug-18	88				
Other Works											
Retaining Wall W78											
TWSR-East FL Highway S/B Side Section											
RWZ4.0910	Demolition of existing retaining wall (Instructed in 2-Jun-17 ad-hoc site)	0%	35	35	07-Jul-18	16-Aug-18	-18				
RWZ4.1010	Base slab & Wall (6-11m high)- RW78 (Ch.0-50)	70.54%	38	129	02-Jan-18 A	06-Jul-18	-18				
RWZ4.1020	Backfilling (6-11m high) - RW78 (Ch.0-50) (Slope S55)	0%	60	60	17-Aug-18	29-Oct-18	7				
RWZ4.1030	Base slab & Wall (0-6m high)- RW78 (Ch.50-129)	0%	85	85	17-Aug-18	27-Nov-18	-18				
Slope Works											
TWSR-East FL Highway S/B Side Section											
S1030	Slope S53-Fill ~5m	0%	110	110	21-May-18	29-Sep-18	39				
S1040	Slope S54A-Cut ~4m	0%	40	40	21-May-18	09-Jul-18	238				
S1050	Slope S54B-Cut ~5m	0%	40	40	21-May-18	09-Jul-18	238				
TCSS Works											
TCSS Pre-Construction Works											
TCSS0120	Prepare Shop Drawing-TCSS	94%	6	100	20-Dec-17 A	28-May-18	60				
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	29-May-18	18-Jun-18	72				
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	19-Jun-18	10-Jul-18	61				
TCSS0150	Confirm Shop drawing & ready for material ordering & factory	0%	0	0		10-Jul-18	61				
TCSS0160	Raw material procurement	56.11%	79	180	09-Jan-18 A	06-Aug-18	44				
TCSS0210	Sign Gantry Factory production - G55	0%	30	30	07-Aug-18	10-Sep-18	38				
TCSS0230	Sign Gantry Factory production - G34 (Z4)	0%	30	30	07-Aug-18	10-Sep-18	70				
G34											
TCSS1530	Fast lane footing - G34 (CH7990, N/B)	0%	30	30	27-Jun-18	01-Aug-18	104				
TCSS1780	TTA application & Approval - G34 (Z4)	0%	90	90	26-May-18	10-Sep-18	70				
G36											
TCSS1820	TTA application & Approval - G36 (Z4)	0%	90	90	03-Jul-18	18-Oct-18	70				
DS50											
TCSS1840	TTA application & Approval - DS50 (Z4)	0%	90	90	07-Aug-18	22-Nov-18	70				
FADS8											
TCSS1630	Fast lane footing - FADS8 (CH8220, S/B)	0%	30	30	29-Jun-18	03-Aug-18	192				
TCSS Hub Room											
TCSS1900	TCSS Hub Room Structure	0%	45	45	03-Jul-18	23-Aug-18	145				

10-Jul-18 ♦ Confirm Shop drawing & ready for

CHIU HING CONSTRUCTION AND TRANSPORTATION CO. LTD.

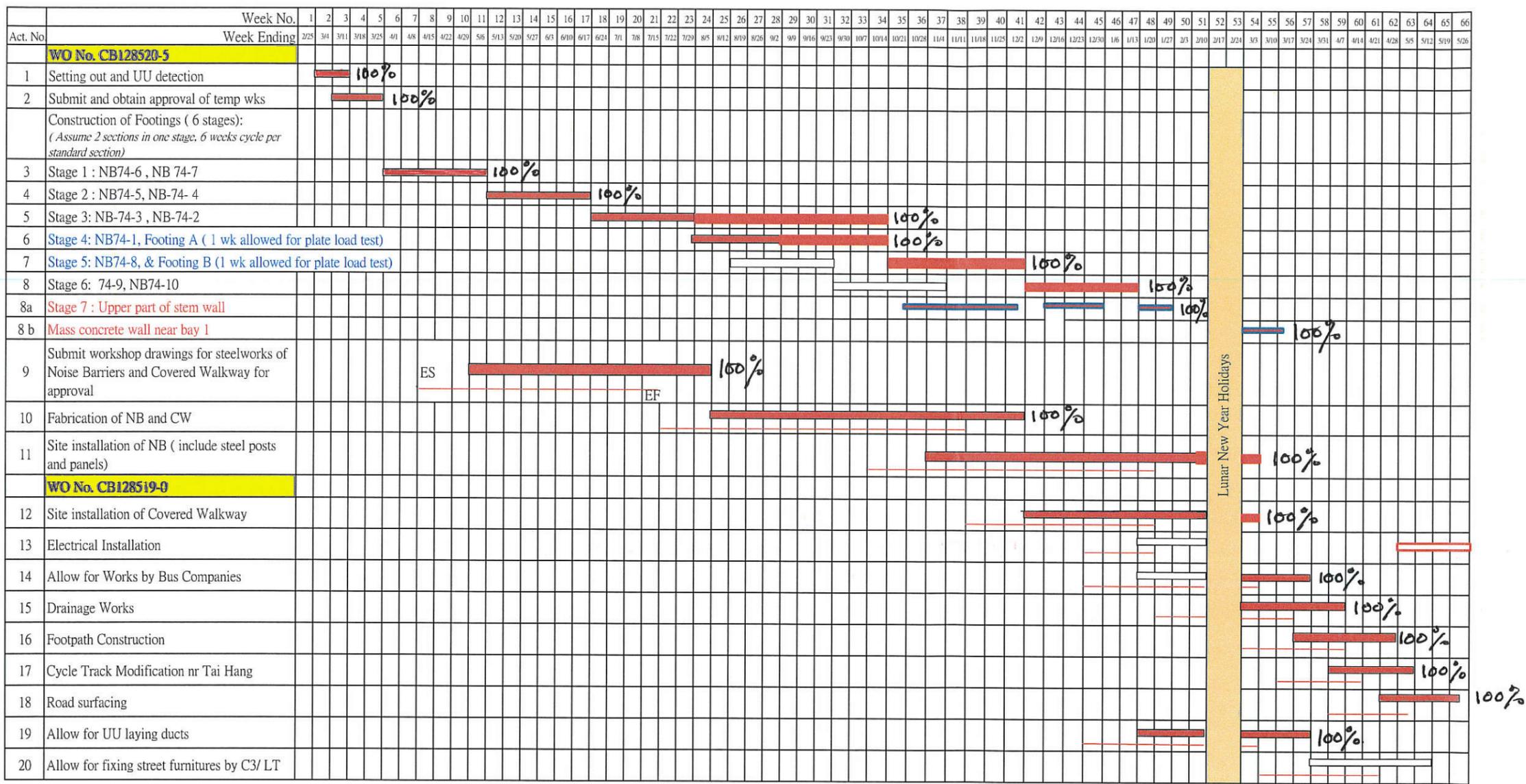
Contract No. 02/HY/2015

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 M	7 days
3	Rock Fill (assumed)	12 x 2 = 24 M3	2 days
4	Blinding Layer		1 day
5	Fwk-Rebar- Concreting	110 M 3	10 days **
6	Posts for Covered Walkway		7 days ##
7	Backfilling	290M 3	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

**CONSTRUCTION PROGRAMME OF
JUNE 2018**

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018					
								Jun	Jul	Aug	Sep		
ZONE 1 (Ch. 5640 to 5880)													
Noise Barrier Along Fanling Highway N/B													
Site Clearance & Demolition of Existing Structure													
General													
ADVZ10130	Zone 1 - Noise Barrier at FH N/B complete	0%	0	0		01-Sep-18	15					01-Sep-18	◆ Zone 1 - Noise
NB43B (Ch.5640-5880)-FH N/B Side													
Noise Barrier Works													
NB01217	NB43B-1 - Footing & Wall Structure (bay 1-2)	0%	26	26	20-Jun-18	20-Jul-18	30						
NB01220	NB43B-1 - Footing & Wall Structure (bay 3-8)	93.97%	7	116	08-Jan-18 A	27-Jun-18	35						
NB01225	NB43B-1 (0-100m) - Drainage Works	0%	24	24	05-Jul-18	01-Aug-18	30						
NB01230	NB43B-1 - backfilling	0%	12	12	02-Aug-18	15-Aug-18	30						
NB01240	NB43B-1 - NB production	40%	27	45	02-Jun-18 A	16-Jul-18	308						
NB01250	NB43B-1 - NB post & panel installation	0%	5	5	16-Aug-18	21-Aug-18	225						
NB01270	NB43B-2 - Footing & Wall Structure (bay 9-16)	81.12%	27	143	13-Jan-18 A	21-Jul-18	15						
NB01275	NB43B-2 (100-200m) - Drainage Works	0%	24	24	23-Jul-18	18-Aug-18	15						
NB01280	NB43B-2 - backfilling	0%	12	12	20-Aug-18	01-Sep-18	15						
NB01290	NB43B-2 - NB production	0%	45	45	08-Jun-18 A	03-Aug-18	290						
NB01300	NB43B-2 - NB post & panel installation	0%	5	5	03-Sep-18	07-Sep-18	210						
NB01325	NB43B-3 (200-260m) - Drainage Works	0%	24	24	20-Jun-18	18-Jul-18	34						
NB01330	NB43B-3 - backfilling	0%	12	12	19-Jul-18	01-Aug-18	42						
NB01340	NB43B-3 - NB production	0%	45	45	20-Jun-18	03-Aug-18	290						
NB01350	NB43B-3 - NB post & panel installation	0%	5	5	04-Aug-18	09-Aug-18	235						
NB03295	Z1 FHN/B NB backfilling completed	0%	0	0		01-Sep-18	15					01-Sep-18	◆ Z1 FHN/B NB b
TWSR-West Construction													
Drainage & Road Works													
Ch 5640-5880													
RDZ10100	Z1: New Tai Wo Service Road West - Drainage & Road works near N/B	0%	180	180	03-Sep-18	10-Apr-19	35						
Fanling Highway Construction													
Drainage & Road Works													
Ch 5640-5880													
RDZ11010	Z1 (Ch5640-5880): Fanling Highway N/B - D&R works (lane	0%	20	20	03-Sep-18	26-Sep-18	15						
ZONE 2 (Ch. 5880 to 6930)													
General													
DRM Proposal													
DRM Proposal													
ADVZ20290	NB at FLHY N/B construction Period (Zone 2)	45.3%	192	351	20-Nov-17 A	08-Feb-19	-50						
ADVZ20310	NB at FLHY N/B construction Period (Zone 1)	75.77%	63	260	05-Oct-17 A	01-Sep-18	15						
Noise Barrier Along Fanling Highway N/B													
NB43A (Ch.5880-6060)-FH N/B Side													
Noise Barrier Works													
NB001090	NB43A - ID1-2 Sheet piling & Excavation	71.43%	10	35	20-Apr-18 A	30-Jun-18	33						
NB001100	NB43A - ID1-2 Footing & Wall Structure	50%	28	55	03-May-18 A	23-Jul-18	31						
NB001105	NB43A - ID1-2 Drainage Works	0%	24	24	23-Jul-18	20-Aug-18	31						
NB001110	NB43A - ID1-2 backfilling	0%	12	12	20-Aug-18	03-Sep-18	79						
NB001120	NB43A - ID1-2 NB production	0%	45	45	23-Jul-18	06-Sep-18	232						
NB001130	NB43A - ID1-2 NB post & panel installation	0%	5	5	06-Sep-18	12-Sep-18	187						
NB01525	NB43A-1 (0-61.5m) - Drainage Works	0%	24	24	20-Jun-18	18-Jul-18	106						
NB01530	NB43A-1 - backfilling	0%	12	12	19-Jul-18	01-Aug-18	106						
NB01540	NB43A-1 - NB production	0%	45	45	20-Jun-18	03-Aug-18	265						
NB01550	NB43A-1 - NB post & panel installation	0%	5	5	04-Aug-18	09-Aug-18	215						
NB01570	NB43A-2 - Footing & Wall Structure (bay 7-14)	70%	32	105	03-Apr-18 A	27-Jul-18	51						
NB01575	NB43A-2 (86.8-166.7m) - Drainage Works	0%	24	24	20-Aug-18	17-Sep-18	31						
NB01580	NB43A-2 - backfilling	0%	12	12	17-Sep-18	03-Oct-18	55						
NB01590	NB43A-2 - NB production	0%	45	45	27-Jul-18	10-Sep-18	228						
NB03330	Bus Shelter footing at NB43A - VO86	0%	30	30	27-Jul-18	31-Aug-18	69						
NB03340	Relocate Bus Shelter installation - VO86	0%	30	30	31-Aug-18	08-Oct-18	162						
NB50 (Ch.6060-6130)-FH N/B Side													
Noise Barrier Works													
NB001150	NB50 -piling (0.19m -28no)	39%	21	34	05-May-18 A	14-Jul-18	-31						
NB001160	NB50 -Sheet piling & Excavation	0%	15	15	14-Jul-18	01-Aug-18	10						
NB001170	NB50 -Footing & Wall Structure	0%	60	60	01-Aug-18	12-Oct-18	10						
NB50A (Ch.6130-6450)-FH N/B Side													
Noise Barrier Works													
NB001220	NB50A - ID2-2 piling (0.19m -18no)	0%	18	18	14-Jul-18	04-Aug-18	-31						
NB001230	NB50A - ID2-2 Sheet piling & Excavation	0%	12	12	04-Aug-18	18-Aug-18	-31						
NB001240	NB50A - ID2-2 Footing & Wall Structure	0%	50	50	18-Aug-18	19-Oct-18	-31						
NB01606	NB50A (0-108m)(NB50A/1-11, 0.19m -60nos) Piling (s3)	11%	53	60	31-May-18 A	22-Aug-18	-31						
NB01610	NB50A (0-108m) - Sheet piling & Excavation	0%	12	12	22-Aug-18	05-Sep-18	-31						

Project ID: WP Rev 06 (1806)
 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-Jun-18)



Date	Revision	C..	Approved
28-Aug...	WP R...		
07-Apr...	WP R...		
08-Nov...	WP R...		
17-Aug...	WP R...		
28-Mar...	WP R...		

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Jun	Jul	Aug	Sep
NB01620	NB50A(0-108m) - Footing & Wall Structure	0%	78	78	05-Sep-18	08-Dec-18	-31				
NB01656	NB50A (132-228m)(NB50A/12-S2, 0.19m -44nos) & FVMS1 (8 nos)	31%	36	52	31-May-18 A	01-Aug-18	-18				
NB01660	NB50A (132-228m) - Sheet piling & Excavation	0%	10	10	01-Aug-18	13-Aug-18	-18				
NB01670	NB50A (132-228m) - Footing & Wall Structure	0%	60	60	13-Aug-18	25-Oct-18	-18				
NB01706	NB50A (228-309m)(NB50A/S4-S5, 0.19m -18nos) & ADS1 (8nos)Piling	30%	18	26	08-Jun-18 A	12-Jul-18	40				
NB01710	NB50A (225-311m) - Sheet piling & Excavation	0%	12	12	12-Jul-18	26-Jul-18	40				
NB01720	NB50A-3 - Footing & Wall Structure	0%	48	48	26-Jul-18	20-Sep-18	40				
NB60 (Ch.6450-6920)-FH N/B Side											
Noise Barrier Works											
NB01770	NB60 (15-63m)(NB60/1-4, 0.19m -16nos) Piling	66.67%	9	27	08-May-18 A	29-Jun-18	55				
NB01780	NB60-1 (15-63m) - Sheet piling & Excavation	0%	12	12	08-Aug-18	22-Aug-18	22				
NB01790	NB60-1 -(15-63m) Footing & Wall Structure	0%	30	30	22-Aug-18	27-Sep-18	22				
NB01850	NB60-2 (63-174m) - Sheet piling & Excavation	73.53%	9	34	20-Apr-18 A	29-Jun-18	40				
NB01860	NB60-2 - Footing & Wall Structure	42%	42	72	27-Apr-18 A	08-Aug-18	22				
NB01865	NB60-2 (108-174m) - Drainage Works	0%	24	24	08-Sep-18	08-Oct-18	38				
NB01880	NB60-2 - NB production	0%	45	45	08-Aug-18	22-Sep-18	215				
NB01930	NB60-ID3-2 - Footing & Wall Structure	0%	50	50	20-Jun-18	17-Aug-18	38				
NB01935	NB60-ID3-2 ((174-192m) - Drainage Works	0%	18	18	18-Aug-18	07-Sep-18	38				
NB01940	NB60-ID3-2 - backfilling	0%	12	12	08-Sep-18	21-Sep-18	62				
NB01950	NB60-ID3-2 - NB production	0%	45	45	18-Aug-18	01-Oct-18	206				
NB01980	NB60 (192-300m)(NB60/16-25, 0.19m -40nos) Piling	87.25%	13	102	01-Feb-18 A	05-Jul-18	-25				
NB01990	NB60-3 (192-300m) - Sheet piling & Excavation	0%	15	15	11-Jun-18 A	19-Jul-18	-25				
NB02000	NB60-3 (192-300m) - Footing & Wall Structure	0%	60	60	20-Jul-18	28-Sep-18	-25				
Underground Utility Works											
Underground Utility Works											
UU0100	CLP cable laying and associated work before backfill in Zone 1 & 2	0%	120	120	12-Sep-18	09-Jan-19	-35				
UU0110	Towngas duct laying and associated work before backfill in Zone 1 & 2	0%	120	120	20-Apr-18 A	15-Jan-19	-35				
Bridge Construction											
New Tai Hang Footbridge											
TWSR-West/ FL Highway N/B Side Section											
THBF0620	Finishes Work	84.98%	64	426	27-Feb-17 A	03-Sep-18	194				
THBF0625	Bridge Structure complete (THFB-TWSR-W side)	0%	0	0		03-Sep-18	194				03-Sep-18 ♦ Bridge Struct
Crossing Fanling Highway Section											
THBF0590	Finishes Work	0%	60	60	20-Jun-18	29-Aug-18	198				
THBF0600	Bridge Structure complete (THFB-Cross fanling highway)	0%	0	0		29-Aug-18	198				29-Aug-18 ♦ Bridge Structure c
TWSR-East FL Highway S/B Side Section											
THBF0470	THAB1 - pile cap & abutment wall	91.21%	45	512	21-Nov-16 A	17-Sep-18	102				
THBF0480	THAB1 - Backfilling (~3m)	0%	20	20	18-Sep-18	12-Oct-18	102				
THBF0800	ABWF work	0%	30	30	20-Jun-18	25-Jul-18	228				
Lift at TWSR-W Side											
L1530	Structural Laminated glass wall installation	55.56%	20	45	20-Apr-18 A	13-Jul-18	135				
L1550	Metal cover on RC platform	0%	30	30	20-Jun-18	25-Jul-18	108				
L1555	Glass canopy on ground level	0%	30	30	26-Jul-18	29-Aug-18	198				
L1560	Lift installation (NF115)	0%	70	70	26-Jul-18	18-Oct-18	125				
L1590	E&M and Finishes work	0%	120	120	26-Jul-18	15-Dec-18	108				
Lift at FLHY S/B											
L1370	Lift shaft & roof	91.37%	46	533	20-Sep-16 A	13-Aug-18	8				
L1380	Structural Laminated glass wall installation	0%	30	30	14-Aug-18	17-Sep-18	38				
L1390	RC Platform connect to bridge (THSC-2 & TH-P2)	0%	30	30	14-Aug-18	17-Sep-18	8				
L1400	Roof cover for RC Platform	0%	30	30	18-Sep-18	25-Oct-18	8				
L1450	CLP Power available (by CLP)	88.35%	92	790	21-Jun-16 A	19-Sep-18	131				
New Tai Wo Footbridge											
General											
TWFB1090	Steel Bridge prefabrication (TWFB)	89.45%	61	578	15-Aug-16 A	30-Aug-18	62				
TWFB1100	Steel Bridge available on site (TWFB)	0%	0	0		31-Aug-18	62				♦ Steel Bridge ava
TWSR-West/ FL Highway N/B Side Section											
TWFB1390	Finishes Work	83.43%	59	356	20-May-17 A	28-Aug-18	185				
TWFB1400	Bridge Structure complete (TWFB-TWSR-W side)	0%	0	0		28-Aug-18	185				28-Aug-18 ♦ Bridge Structure cc
Crossing Fanling Highway Section											
TWFB1440	TWP2 - Pile cap	0%	30	30	20-Jun-18	25-Jul-18	34				
TWFB1445	TWP2 - Pier and Pier Head	0%	45	45	26-Jul-18	15-Sep-18	34				
TWFB1447	Erect TWFB across TWSR-W (P1 to P2)	0%	14	14	17-Sep-18	04-Oct-18	34				
TWFB1448	Erect Temp bwr for TWFB erection at Central Divier	0%	30	30	07-Sep-18	13-Oct-18	26				
TWSR-East FL Highway S/B Side Section											
TWFB1480	Precautionary work for MTRC I&P area	95.18%	4	83	20-Feb-18 A	23-Jun-18	26				
TWFB1550	TWP3 - Pre-bored H pile (6 nos)	0%	18	18	25-Jun-18	16-Jul-18	26				
TWFB1570	TWP3 - Pile cap, Pier and Pier Head	0%	75	75	17-Jul-18	13-Oct-18	26				
Lift at TWSR-W Side											
L1680	Structural Laminated glass wall installation	37.5%	40	64	17-Mar-18 A	06-Aug-18	84				
L1700	Metal cover on RC platform	0%	30	30	03-Jul-18	06-Aug-18	84				
L1710	Glass canopy on ground level	0%	30	30	07-Aug-18	10-Sep-18	541				
L1730	Lift submission & ordering period	61.33%	58	150	20-Mar-18 A	16-Aug-18	106				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Jun	Jul	Aug	Sep
L1740	Lift installation	0%	70	70	17-Aug-18	09-Nov-18	88				
L1770	E&M and Finishes work	0%	120	120	07-Aug-18	29-Dec-18	84				
L1780	CLP Power available (by CLP)	93.96%	43	712	20-Aug-16 A	01-Aug-18	209				
Signalized Junction											
New Tai Hang Footbridge											
TWSR-West/ FL Highway N/B Side Section											
THBF0670	E-prom ordering by EMSD (Tai hang Junction)	0%	90	90	09-Sep-18	08-Dec-18	30				
Noise Barrier Along Fanling Highway S/B											
NB51 (Ch.5935-6055)-FH S/B Side											
Noise Barrier Works											
NB02300	NB51 ID1-3 (0-25m) - NB production	96.31%	14	379	20-May-17 A	03-Jul-18	296				
NB02310	NB51 ID1-3 (0-25m) - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242				
NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02430	Precautionary Measure installation	0%	26	26	20-Jun-18	20-Jul-18	59				
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	21-Jul-18	20-Aug-18	96				
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	21-Aug-18	01-Nov-18	96				
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	21-Jul-18	01-Aug-18	59				
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs	0%	27	27	02-Aug-18	01-Sep-18	59				
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	03-Sep-18	27-Sep-18	59				
NB02590	NB53 (125-180m) - NB production	99.05%	7	737	20-May-16 A	26-Jun-18	303				
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	27-Jun-18	03-Jul-18	247				
NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02670	NB55 - NB post & panel installation	0%	5	5	20-Jun-18	25-Jun-18	253				
NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02740	NB56 - NB post & panel installation	0%	5	5	20-Jun-18	25-Jun-18	253				
NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02790	NB61 (0-50m)- backfilling	77.24%	28	123	20-Jan-18 A	23-Jul-18	230				
NB02800	NB61 (0-50m) - NB production	89.55%	14	134	20-Jan-18 A	03-Jul-18	296				
NB02810	NB61 (0-50m) - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242				
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Jun-18	03-Aug-18	265				
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	04-Aug-18	09-Aug-18	215				
NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02920	NB61A (0-50m) - NB production	98.38%	14	865	20-Feb-16 A	03-Jul-18	296				
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242				
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	94.15%	57	975	01-Apr-15 A	25-Aug-18	161				
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	27-Aug-18	18-Sep-18	176				
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	25-Aug-18	09-Oct-18	198				
NB03050	NB61A (75-190m) - NB post & panel installation	72.22%	5	18	05-May-18 A	25-Jun-18	253				
Fanling Highway Construction											
Drainage & Road Works											
Ch 5880-6740											
RDZ41250	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 3)	36.67%	38	60	04-Jun-18 A	03-Aug-18	70				
RDZ41260	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 2)	0%	60	60	04-Aug-18	15-Oct-18	70				
Other Works											
TCCS Works											
TCCS Pre-Construction Works											
TCSS0210	Sign Gantry Factory production - G55	0%	30	30	30-Aug-18	05-Oct-18	18				
AADS1											
TCSS1400	Slow lane footing - AADS1 (NB43A)	0%	0	0		03-Sep-18	135				03-Sep-18 ◆ Slow lane foc
ADS1											
TCSS1970	Back filling & reinstatement road work (2m)	0%	18	18	20-Jun-18	11-Jul-18	150				
TCSS1980	TTA application & Approval - ADS1	0%	90	90	30-Aug-18	15-Dec-18	18				
FADS1											
TCSS2050	TTA application & Approval - FADS1	0%	90	90	26-Jul-18	10-Nov-18	18				
G55											
TCSS1740	TTA application & Approval - G55	0%	90	90	20-Jun-18	05-Oct-18	18				
South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)											
Noise Barrier Along TWSR-West and Laying New Utilities											
NB64 & NB64A (Ch.6860-6920)-TWSR West Side											
Noise Barrier Works											
NB003350	Bus Shelter footing & shelter near NB64 - VO86	0%	40	40	21-May-18 A	06-Aug-18	218				
Noise Barrier Along Fanling Highway N/B											
NB60 (Ch.6450-6920)-FH N/B Side											
Noise Barrier Works											
NB02050	NB60-4 (300-408m) - Sheet piling & Excavation	0%	20	12	16-Jun-18 A	13-Jul-18	-54				
NB02060	NB60-4 - Footing & Wall Structure	0%	50	50	14-Jul-18	10-Sep-18	-54				
NB02065	NB60-4 (300-408m) - Drainage Works	0%	24	24	11-Sep-18	10-Oct-18	-54				
NB02080	NB60-4 - NB production	0%	45	45	11-Sep-18	25-Oct-18	182				
NB02100	NB60 (408-468m)(NB60/18B-1 to S6, 0.19m -32nos) Piling	0%	32	32	20-Jun-18	27-Jul-18	20				
NB02101	NB60 (408-468m) FADS1 (8nos) Piling	0%	8	8	28-Jul-18	06-Aug-18	20				
NB66 (Ch.6920-6930)-FH N/B Side											
Noise Barrier Works											

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Jun	Jul	Aug	Sep
NB02165	NB66 - Drainage Works	40.74%	16	27	08-May-18 A	09-Jul-18	0				
NB02170	NB66- backfilling	0%	15	15	26-Jul-18	11-Aug-18	97				
NB02180	NB66 - NB production	0%	45	45	20-Jun-18	03-Aug-18	265				
NB02190	NB66 - NB post & panel installation	0%	5	5	13-Aug-18	17-Aug-18	208				
NB03320	Bus Shelter footing - VO86	0%	30	30	20-Jun-18	25-Jul-18	97				
Bridge Construction											
Kau Lung Hang Vehicular Bridge											
KLH Bridge - West Ramp											
KLH.1290	West Ramp - Planting	0%	21	21	20-Jun-18	14-Jul-18	237				
KLH Bridge - Deck 1											
KLH.3430	Deck 1 - Planting	0%	21	21	20-Jun-18	14-Jul-18	237				
KLH Bridge - Deck 3											
KLH.3500	Deck 3 - Planting	0%	21	21	20-Jun-18	14-Jul-18	269				
KLH Bridge - East Ramp											
KLH.3590	East Ramp - Planting	0%	34	34	20-Jun-18	30-Jul-18	577				
KLH Bridge - Ramp R1											
Z2.KLH.3610	Ramp R1 - Steel roof	83.96%	64	399	19-Jan-17 A	03-Sep-18	194				
KLH Bridge - Ramp R2											
Z2.KLH.1550	Ramp R2 - Steel roof	81.1%	69	365	14-Mar-17 A	08-Sep-18	189				
KLH Bridge - Staircase S1											
Z2.KLH.1460	S1 - Staircase steel work, handrail Shop drawing submission &	36.07%	39	61	28-Apr-18 A	28-Jul-18	41				
Z2.KLH.1462	S1 - Steel work ordering	0%	60	60	29-Jul-18	26-Sep-18	41				
Bridge Road Work											
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	20-Jun-18	10-Nov-18	138				
Lift at TWSR-W Side											
L01070	Structural Laminated glass wall installation	0%	11	11	16-Aug-18*	28-Aug-18	110				
L01090	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	20-Jun-18	20-Jun-18	169				
L01100	Lift installation	0%	70	70	29-Aug-18	21-Nov-18	110				
L01130	Finishes work	0%	88	88	29-Aug-18	12-Dec-18	111				
L01140	CLP Power available (by CLP)	96.04%	32	808	04-Apr-16 A	21-Jul-18	258				
Lift at FLHY S/B											
L01230	Structural Laminated glass wall installation	75.68%	9	37	20-Apr-18 A	29-Jun-18	189				
L01250	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	20-Jun-18*	20-Jun-18	198				
L01260	Lift installation	0%	45	45	30-Jun-18	22-Aug-18	190				
L01270	Lift T&C	0%	14	14	23-Aug-18	05-Sep-18	232				
L01280	EMSD inspection & approval (Assume 7 days is required instead)	0%	7	7	06-Sep-18	12-Sep-18	232				
L01290	Finishes work	0%	60	60	30-Jun-18	08-Sep-18	189				
L01300	CLP Power available (by CLP)	92.49%	63	839	04-Apr-16 A	21-Aug-18	233				
L01310	Lift available - NF117-Lift 2	0%	0	0		12-Sep-18	186				12-Sep-18 ♦ Lift a
Signalized Junction											
Kau Lung Hang Vehicular Bridge											
KLH Bridge - West Ramp											
Z2.KLH.1032	Installation of Traffic Signal Poles at TWSR-W N/B (KLHVB)	0%	21	21	30-Jul-18*	22-Aug-18	198				
Z2.KLH.1042	Ducting & Cable Draw Installation (KLHVB)	0%	30	30	24-Aug-18	28-Sep-18	131				
Z2.KLH.1062	E-prom ordering by EMSD (KLHVB)	34.44%	59	90	20-May-18 A	23-Aug-18	160				
Noise Barrier Along Fanling Highway S/B											
NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB03120	NB62 (0-80m) - NB post & panel installation	0%	13	5	04-Jun-18 A	05-Jul-18	245				
NB03150	NB62 (80-110m) Under bridge - backfilling	28.57%	10	14	21-May-18 A	30-Jun-18	243				
NB03160	NB62 (80-110m) Under bridge - NB production	68.89%	14	45	20-May-18 A	03-Jul-18	296				
NB03170	NB62 (80-110m) Under bridge - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242				
NB03210	NB62 (110-170m) - NB production	68.89%	14	45	20-May-18 A	03-Jul-18	296				
NB03220	NB62 (110-170m) - NB post & panel installation	0%	5	5	04-Jul-18	09-Jul-18	242				
Fanling Highway Construction											
Drainage & Road Works											
Ch 6740-6930											
RDZ20500	Z2 (CH6740-6930) : Fanling Highway S/B - D&R works (lane 3)	0%	24	24	04-Jun-18 A	18-Jul-18	234				
RDZ20510	Z2 (CH6740-6930): Fanling Highway S/B - D&R works (lane 2)	0%	24	24	04-Aug-18	31-Aug-18	196				
North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)											
Bridge Construction											
New Ho Ka Yuen Footbridge											
TWSR-West/ FL Highway N/B Side Section											
HKY1440	Remaining Finishes works of HKYFB	90.26%	48	493	21-Nov-16 A	15-Aug-18	197				
HKY1520	VO11 - slope improvement work	0%	45	45	16-Aug-18	09-Oct-18	197				
TWSR-East FL Highway S/B Side Section											
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	86.64%	76	569	13-Oct-16 A	17-Sep-18	214				
ZONE 4 (Ch. 7925 to 8700)											
Noise Barrier Along TWSR-West and Laying New Utilities											
Underground Utility Works											
DN450 DI Watermain "A" (Ch 1989-2529)											
DI0180	DN450 DI watermain laying (400-450m)	83.33%	5	30	20-Apr-18 A	25-Jun-18	175				
DI0190	DN450 DI watermain laying (450-500m)	0%	30	30	26-Jun-18	31-Jul-18	175				
DI0200	DN450 DI watermain laying (500-540m)	0%	30	30	01-Aug-18	04-Sep-18	175				
Noise Barrier Along Fanling Highway N/B											
NB75 (Ch.7930-8090)-FH N/B Side											

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								Jun	Jul	Aug	Sep	
								Gantt Chart				
Noise Barrier Works												
NB4275	NB75 - NB panel installation	0%	20	20	20-Jun-18	13-Jul-18	105					
NB4280	NB75 complete	0%	0	0		13-Jul-18	105					
NB77 (Ch.8090-8450)-FH N/B Side												
Noise Barrier Works												
NB4310	NB77 - Footing & Wall Structure (Ch8090-8190)	93.92%	16	263	20-Jul-17 A	09-Jul-18	31					
NB4320	NB77 - backfilling (Ch8090-8190)	0%	20	20	10-Jul-18	01-Aug-18	31					
NB4330	NB77 - NB production (Ch8090-8190)	0%	45	45	10-Jul-18	23-Aug-18	68					
NB4340	NB77 - NB post & panel installation (Ch8090-8190)	0%	15	15	24-Aug-18	10-Sep-18	55					
NB4400	NB77 - NB post & panel installation (Ch8190-8290)	0%	15	15	20-Jun-18	07-Jul-18	110					
NB4440	NB77 - backfilling (Ch8290-8390)	0%	20	20	06-Sep-18	29-Sep-18	1					
NB4450	NB77 - NB production (Ch8290-8390)	45.95%	20	37	03-May-18 A	09-Jul-18	113					
NB4482	NB77 - Footing & Wall Structure (NB77/27 - 28, N1-N2)	50%	25	50	20-Apr-18 A	19-Jul-18	0					
NB4490	NB77 - Footing & Wall Structure (NB77/31 - 32, 0.19m & G35)	0%	50	50	20-Jul-18	15-Sep-18	0					
NB4500	NB77 - backfilling (Ch8390-8450)	0%	12	12	17-Sep-18	02-Oct-18	0					
NB4510	NB77 - NB production (Ch8390-8450)	0%	45	45	15-Sep-18	30-Oct-18	12					
NB4620	NB77 Drainage Works	9.47%	86	95	10-May-18 A	29-Sep-18	1					
Bridge Construction												
New Wo Hop Shek Pedestrian & Cycle Bridge												
TWSR-West/ FL Highway N/B Side Section												
WHS1228	WHSP7 - Pile cap, Pier and Pier Head	0%	45	45	26-Jul-18	15-Sep-18	128					
WHS1260	WHSAB1 - pile cap & abutment wall	0%	30	30	17-Sep-18	24-Oct-18	128					
WHS1420	Ramp Finishes Work	0%	30	30	20-Jun-18	25-Jul-18	128					
TWSR-West Construction												
Drainage & Road Works												
TWSR-West/ FL Highway N/B Side Section												
RDZ41180	TWSR -W Road Works rectification	0%	50	50	05-Sep-18	05-Nov-18	175					
VO - Wall 76A Construction												
Retaining Wall W76A												
TWSR-East FL Highway S/B Side Section												
W76A1060	Road work for Caltex access road	67.81%	47	146	16-Jan-18 A	14-Aug-18	243					
Fanling Highway Construction												
Drainage & Road Works												
TWSR-West/ FL Highway N/B Side Section												
RDZ41106	Construct FH N/B Lane 3 (at NBZ2)	0%	20	20	20-Jun-18	13-Jul-18	47					
RDZ41108	Construct FH N/B Lane 4 (at NBZ2)	0%	20	20	14-Jul-18	06-Aug-18	47					
TWSR-East FL Highway S/B Side Section												
RDZ41131	Drainage work at central divider (Ch8100-8600)	94.31%	12	211	10-Oct-17 A	04-Jul-18	95					
RDZ41133	Construct FH S/B Lane 3 (Ch8100-8600)	51.56%	62	128	27-Mar-18 A	31-Aug-18	105					
RDZ41135	Construct FHS/B Lane 4 (Ch8100-8600)	51.56%	62	128	27-Mar-18 A	31-Aug-18	105					
Other Works												
Retaining Wall W78												
TWSR-East FL Highway S/B Side Section												
RWZ4.0910	Demolition of existing retaining wall (Instructed in 2-Jun-17 ad-hoc site)	0%	35	35	04-Aug-18	13-Sep-18	-17					
RWZ4.1010	Base slab & Wall (6-11m high)- RW78 (Ch.0-50)	74.5%	38	149	02-Jan-18 A	03-Aug-18	-17					
RWZ4.1020	Backfilling (6-11m high) - RW78 (Ch.0-50) (Slope S55)	0%	60	60	14-Sep-18	26-Nov-18	8					
RWZ4.1030	Base slab & Wall (0-6m high)- RW78 (Ch.50-129)	0%	85	85	14-Sep-18	27-Dec-18	-17					
Slope Works												
TWSR-East FL Highway S/B Side Section												
S1030	Slope S53-Fill ~5m	0%	110	110	20-Jun-18	30-Oct-18	15					
S1040	Slope S54A-Cut ~4m	0%	40	40	20-Jun-18	06-Aug-18	214					
S1050	Slope S54B-Cut ~5m	0%	40	40	20-Jun-18	06-Aug-18	214					
TCSS Works												
TCSS Pre-Construction Works												
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	29-May-18 A	10-Jul-18	50					
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	11-Jul-18	31-Jul-18	43					
TCSS0150	Confirm Shop drawing & ready for material ordering & factory	0%	0	0		31-Jul-18	43					
TCSS0160	Raw material procurement	77.14%	48	210	09-Jan-18 A	06-Aug-18	44					
TCSS0230	Sign Gantry Factory production - G34 (Z4)	0%	30	30	30-Aug-18	05-Oct-18	50					
G34												
TCSS1530	Fast lane footing - G34 (CH7990, N/B)	0%	30	30	03-Jul-18	06-Aug-18	100					
TCSS1780	TTA application & Approval - G34 (Z4)	0%	90	90	20-Jun-18	05-Oct-18	50					
G36												
TCSS1820	TTA application & Approval - G36 (Z4)	0%	90	90	26-Jul-18	10-Nov-18	50					
DS50												
TCSS1840	TTA application & Approval - DS50 (Z4)	0%	90	90	30-Aug-18	15-Dec-18	50					
FADS8												
TCSS1630	Fast lane footing - FADS8 (CH8220, S/B)	0%	30	30	05-Jul-18	08-Aug-18	188					
TCSS Hub Room												
TCSS1900	TCSS Hub Room Structure	0%	45	45	20-Jun-18	11-Aug-18	155					
TCSS1910	TCSS Hub Room Finishes	0%	45	45	13-Aug-18	05-Oct-18	155					

**CONSTRUCTION PROGRAMME OF
JULY 2018**

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018					
								Jul	Aug	Sep	Oct		
ZONE 1 (Ch. 5640 to 5880)													
Noise Barrier Along Fanling Highway N/B													
Site Clearance & Demolition of Existing Structure													
General													
ADVZ10130	Zone 1 - Noise Barrier at FH N/B complete	0%	0	0		03-Oct-18	-10					03-Oct-18	◆ Zone 1 - Noise
NB43B (Ch.5640-5880)-FH N/B Side													
Noise Barrier Works													
NB01217	NB43B-1 - Footing & Wall Structure (bay 1-2)	0%	26	26	20-Jul-18	18-Aug-18	5						
NB01225	NB43B-1 (0-100m) - Drainage Works	0%	24	24	03-Aug-18	30-Aug-18	5						
NB01230	NB43B-1 - backfilling	0%	12	12	31-Aug-18	13-Sep-18	5						
NB01250	NB43B-1 - NB post & panel installation	0%	5	5	14-Sep-18	19-Sep-18	200						
NB01270	NB43B-2 - Footing & Wall Structure (bay 9-16)	82.24%	27	152	13-Jan-18 A	20-Aug-18	-10						
NB01275	NB43B-2 (100-200m) - Drainage Works	0%	24	24	21-Aug-18	17-Sep-18	-10						
NB01280	NB43B-2 - backfilling	0%	12	12	18-Sep-18	03-Oct-18	-10						
NB01290	NB43B-2 - NB production	73.68%	15	57	08-Jun-18 A	03-Aug-18	290						
NB01300	NB43B-2 - NB post & panel installation	0%	5	5	04-Oct-18	09-Oct-18	185						
NB01325	NB43B-3 (200-260m) - Drainage Works	0%	24	24	20-Jul-18	16-Aug-18	9						
NB01330	NB43B-3 - backfilling	0%	12	12	17-Aug-18	30-Aug-18	17						
NB01340	NB43B-3 - NB production	66.67%	15	45	20-Jun-18 A	03-Aug-18	290						
NB01350	NB43B-3 - NB post & panel installation	0%	5	5	31-Aug-18	05-Sep-18	212						
NB03295	Z1 FHN/B NB backfilling completed	0%	0	0		03-Oct-18	-10					03-Oct-18	◆ Z1 FHN/B NB
TWSR-West Construction													
Drainage & Road Works													
Ch 5640-5880													
RDZ10100	Z1: New Tai Wo Service Road West - Drainage & Road works near N/B	0%	180	180	04-Oct-18	14-May-19	10						
Fanling Highway Construction													
Drainage & Road Works													
Ch 5640-5880													
RDZ11010	Z1 (Ch5640-5880): Fanling Highway N/B - D&R works (lane	0%	20	20	04-Oct-18	27-Oct-18	-10						
ZONE 2 (Ch. 5880 to 6930)													
General													
DRM Proposal													
DRM Proposal													
ADVZ20290	NB at FLHY N/B construction Period (Zone 2)	53.74%	167	361	20-Nov-17 A	08-Feb-19	-50						
ADVZ20310	NB at FLHY N/B construction Period (Zone 1)	76.58%	63	269	05-Oct-17 A	03-Oct-18	-10						
Noise Barrier Along Fanling Highway N/B													
NB43A (Ch.5880-6060)-FH N/B Side													
Noise Barrier Works													
NB001100	NB43A - ID1-2 Footing & Wall Structure	84.96%	10	67	03-May-18 A	31-Jul-18	23						
NB001105	NB43A - ID1-2 Drainage Works	0%	24	24	17-Aug-18	13-Sep-18	9						
NB001110	NB43A - ID1-2 backfilling	0%	12	12	14-Sep-18	28-Sep-18	57						
NB001120	NB43A - ID1-2 NB production	0%	45	45	01-Aug-18	14-Sep-18	223						
NB001130	NB43A - ID1-2 NB post & panel installation	0%	5	5	29-Sep-18	05-Oct-18	168						
NB01525	NB43A-1 (0-61.5m) - Drainage Works	0%	24	24	03-Jul-18 A	16-Aug-18	81						
NB01530	NB43A-1 - backfilling	0%	12	12	17-Aug-18	30-Aug-18	81						
NB01540	NB43A-1 - NB production	0%	45	45	20-Jul-18	02-Sep-18	235						
NB01550	NB43A-1 - NB post & panel installation	0%	5	5	03-Sep-18	07-Sep-18	190						
NB01570	NB43A-2 - Footing & Wall Structure (bay 7-14)	86.24%	13	95	03-Apr-18 A	03-Aug-18	44						
NB01575	NB43A-2 (86.8-166.7m) - Drainage Works	0%	24	24	14-Sep-18	13-Oct-18	9						
NB01580	NB43A-2 - backfilling	0%	12	12	15-Oct-18	29-Oct-18	33						
NB01590	NB43A-2 - NB production	0%	45	45	04-Aug-18	17-Sep-18	220						
NB03330	Bus Shelter footing at NB43A - VO86	0%	30	30	04-Aug-18	07-Sep-18	62						
NB03340	Relocate Bus Shelter installation - VO86	0%	30	30	08-Sep-18	15-Oct-18	155						
NB50 (Ch.6060-6130)-FH N/B Side													
Noise Barrier Works													
NB001150	NB50 -piling (0.19m -28no)	86.14%	8	58	05-May-18 A	28-Jul-18	-2						
NB001160	NB50 -Sheet piling & Excavation	0%	15	15	30-Jul-18	15-Aug-18	-2						
NB001170	NB50 -Footing & Wall Structure	0%	60	60	16-Aug-18	27-Oct-18	-2						
NB50A (Ch.6130-6450)-FH N/B Side													
Noise Barrier Works													
NB001220	NB50A - ID2-2 piling (0.19m -18no)	0%	18	18	17-Jul-18 A	09-Aug-18	-35						
NB001230	NB50A - ID2-2 Sheet piling & Excavation	0%	12	12	10-Aug-18	23-Aug-18	-35						
NB001240	NB50A - ID2-2 Footing & Wall Structure	0%	50	50	24-Aug-18	24-Oct-18	-35						
NB01606	NB50A (0-108m)(NB50A/1-11, 0.19m -60nos) Piling (s3)	36.6%	44	69	31-May-18 A	08-Sep-18	-47						
NB01610	NB50A (0-108m) - Sheet piling & Excavation	0%	12	12	10-Sep-18	22-Sep-18	-47						
NB01620	NB50A(0-108m) - Footing & Wall Structure	0%	78	78	24-Sep-18	28-Dec-18	-47						
NB01656	NB50A (132-228m)(NB50A/12-S2, 0.19m -44nos) & FVMS1 (8 nos)	22.9%	40	52	31-May-18 A	04-Sep-18	-47						
NB01660	NB50A (132-228m) - Sheet piling & Excavation	0%	10	10	05-Sep-18	15-Sep-18	-47						

Project ID: WP Rev 06 (1807)
 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-Jul-18)



Date	Revision	C..Ap...
28-Aug-15	WP Rev 2	
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			
								Jul	Aug	Sep	Oct
NB01670	NB50A (132-228m) - Footing & Wall Structure	0%	60	60	17-Sep-18	28-Nov-18	-47				
NB01710	NB50A (225-311m) - Sheet piling & Excavation	0%	12	12	20-Jul-18	02-Aug-18	33				
NB01720	NB50A-3 - Footing & Wall Structure	0%	48	48	03-Aug-18	28-Sep-18	33				
NB01725	NB50A (225-311m) - Drainage Works	0%	18	18	29-Sep-18	22-Oct-18	33				
NB01740	NB50A-3 - NB production	0%	45	45	29-Sep-18	12-Nov-18	164				
NB60 (Ch.6450-6920)-FH N/B Side											
Noise Barrier Works											
NB01770	NB60 (15-63m)(NB60/1-4, 0.19m -16nos) Piling	36.36%	28	44	08-May-18 A	21-Aug-18	11				
NB01780	NB60-1 (15-63m) - Sheet piling & Excavation	0%	12	12	10-Oct-18	24-Oct-18	-29				
NB01860	NB60-2 - Footing & Wall Structure	19.77%	68	85	27-Apr-18 A	09-Oct-18	-29				
NB01865	NB60-2 (108-174m) - Drainage Works	0%	24	24	10-Oct-18	07-Nov-18	13				
NB01880	NB60-2 - NB production	0%	45	45	10-Oct-18	23-Nov-18	153				
NB01930	NB60-ID3-2 - Footing & Wall Structure	50%	25	50	20-Jun-18 A	17-Aug-18	38				
NB01935	NB60-ID3-2 ((174-192m) - Drainage Works	0%	18	18	18-Aug-18	07-Sep-18	38				
NB01940	NB60-ID3-2 - backfilling	0%	12	12	08-Sep-18	21-Sep-18	62				
NB01950	NB60-ID3-2 - NB production	0%	45	45	18-Aug-18	01-Oct-18	206				
NB01960	NB60-ID3-2 - NB post & panel installation	0%	5	5	02-Oct-18	06-Oct-18	167				
NB01980	NB60 (192-300m)(NB60/16-25, 0.19m -40nos) Piling	89.34%	13	122	01-Feb-18 A	03-Aug-18	-50				
NB01990	NB60-3 (192-300m) - Sheet piling & Excavation	53.13%	15	32	11-Jun-18 A	17-Aug-18	-50				
NB02000	NB60-3 (192-300m) - Footing & Wall Structure	0%	60	60	18-Aug-18	30-Oct-18	-50				
Underground Utility Works											
Underground Utility Works											
UU0100	CLP cable laying and associated work before backfill in Zone 1 & 2	0%	120	120	14-Sep-18	12-Jan-19	-38				
UU0110	Towgas duct laying and associated work before backfill in Zone 1 & 2	55.72%	120	271	20-Apr-18 A	18-Jan-19	-38				
Bridge Construction											
New Tai Hang Footbridge											
TWSR-West/ FL Highway N/B Side Section											
THBF0620	Finishes Work	85.78%	64	450	27-Feb-17 A	04-Oct-18	169				
THBF0625	Bridge Structure complete (THFB-TWSR-W side)	0%	0	0		04-Oct-18	169				04-Oct-18 ◆ Bridge Struc
Crossing Fanling Highway Section											
THBF0590	Finishes Work	43.33%	34	60	20-Jun-18 A	28-Aug-18	199				
THBF0600	Bridge Structure complete (THFB-Cross fanling highway)	0%	0	0		28-Aug-18	199				28-Aug-18 ◆ Bridge Structure complete (THFB-Cross fanlin
TWSR-East FL Highway S/B Side Section											
THBF0470	THAB1 - pile cap & abutment wall	91.6%	45	536	21-Nov-16 A	19-Oct-18	77				
THBF0800	ABWF work	0%	30	30	20-Jul-18	23-Aug-18	203				
Lift at TWSR-W Side											
L1530	Structural Laminated glass wall installation	71.01%	20	69	20-Apr-18 A	11-Aug-18	110				
L1550	Metal cover on RC platform	0%	30	30	20-Jul-18	23-Aug-18	83				
L1555	Glass canopy on ground level	0%	30	30	24-Aug-18	28-Sep-18	173				
L1560	Lift installation (NF115)	0%	70	70	24-Aug-18	16-Nov-18	100				
L1590	E&M and Finishes work	0%	120	120	24-Aug-18	17-Jan-19	83				
Lift at FLHY S/B											
L1370	Lift shaft & roof	91.74%	46	557	20-Sep-16 A	11-Sep-18	-17				
L1380	Structural Laminated glass wall installation	0%	30	30	12-Sep-18	19-Oct-18	13				
L1390	RC Platform connect to bridge (THSC-2 & TH-P2)	0%	30	30	12-Sep-18	19-Oct-18	-17				
L1450	CLP Power available (by CLP)	88.79%	92	821	21-Jun-16 A	19-Oct-18	101				
New Tai Wo Footbridge											
General											
TWFB1090	Steel Bridge prefabrication (TWFB)	89.87%	61	602	15-Aug-16 A	29-Sep-18	37				
TWFB1100	Steel Bridge available on site (TWFB)	0%	0	0	02-Oct-18		37				◆ Steel Bridge a
TWSR-West/ FL Highway N/B Side Section											
TWFB1390	Finishes Work	84.47%	59	380	20-May-17 A	27-Sep-18	160				
TWFB1400	Bridge Structure complete (TWFB-TWSR-W side)	0%	0	0		27-Sep-18	160				27-Sep-18 ◆ Bridge Structure cc
Crossing Fanling Highway Section											
TWFB1440	TWP2 - Pile cap	0%	30	30	20-Jul-18	23-Aug-18	9				
TWFB1445	TWP2 - Pier and Pier Head	0%	45	45	24-Aug-18	18-Oct-18	9				
TWFB1447	Erect TWFB across TWSR-W (P1 to P2)	0%	14	14	19-Oct-18	03-Nov-18	9				
TWFB1448	Erect Temp tower for TWFB erection at Central Divier	0%	30	30	04-Oct-18	08-Nov-18	5				
TWSR-East FL Highway S/B Side Section											
TWFB1550	TWP3 - Pre-bored H pile (6 nos)	0%	18	18	05-Jul-18 A	09-Aug-18	5				
TWFB1570	TWP3 - Pile cap, Pier and Pier Head	0%	75	75	10-Aug-18	08-Nov-18	5				
Lift at TWSR-W Side											
L1680	Structural Laminated glass wall installation	64.91%	40	114	17-Mar-18 A	04-Sep-18	59				
L1700	Metal cover on RC platform	0%	30	30	01-Aug-18	04-Sep-18	59				
L1710	Glass canopy on ground level	0%	30	30	05-Sep-18	11-Oct-18	516				
L1730	Lift submission & ordering period	81.33%	28	150	20-Mar-18 A	16-Aug-18	106				
L1740	Lift installation	0%	70	70	05-Sep-18	28-Nov-18	72				
L1770	E&M and Finishes work	0%	120	120	05-Sep-18	29-Jan-19	59				
L1780	CLP Power available (by CLP)	98.17%	13	712	20-Aug-16 A	01-Aug-18	209				
Signalized Junction											
New Tai Hang Footbridge											
TWSR-West/ FL Highway N/B Side Section											
THBF0670	E-prom ordering by EMSD (Tai hang Junction)	0%	90	90	30-Sep-18	28-Dec-18	9				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								Jul	Aug	Sep	Oct	
Noise Barrier Along Fanling Highway S/B												
NB51 (Ch.5935-6055)-FH S/B Side												
Noise Barrier Works												
NB02300	NB51 ID1-3 (0-25m) - NB production	96.59%	14	410	20-May-17 A	02-Aug-18	266					
NB02310	NB51 ID1-3 (0-25m) - NB post & panel installation	0%	5	5	03-Aug-18	08-Aug-18	216					
NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02430	Precautionary Measure installation	0%	26	26	20-Jul-18	18-Aug-18	34					
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	20-Aug-18	18-Sep-18	71					
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	19-Sep-18	30-Nov-18	71					
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	20-Aug-18	30-Aug-18	34					
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs	0%	27	27	31-Aug-18	03-Oct-18	34					
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	04-Oct-18	29-Oct-18	34					
NB02590	NB53 (125-180m) - NB production	99.09%	7	768	20-May-16 A	26-Jul-18	273					
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	27-Jul-18	01-Aug-18	222					
NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02670	NB55 - NB post & panel installation	0%	5	5	20-Jul-18	25-Jul-18	228					
NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02740	NB56 - NB post & panel installation	0%	5	5	20-Jul-18	25-Jul-18	228					
NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02790	NB61 (0-50m)- backfilling	80.95%	28	147	20-Jan-18 A	21-Aug-18	205					
NB02800	NB61 (0-50m) - NB production	91.52%	14	165	20-Jan-18 A	02-Aug-18	266					
NB02810	NB61 (0-50m) - NB post & panel installation	0%	5	5	03-Aug-18	08-Aug-18	216					
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Jul-18	02-Sep-18	235					
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	03-Sep-18	07-Sep-18	190					
NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB02920	NB61A (0-50m) - NB production	98.38%	14	865	20-Feb-16 A	02-Aug-18	266					
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	03-Aug-18	08-Aug-18	216					
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	94.29%	57	999	01-Apr-15 A	24-Sep-18	136					
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	26-Sep-18	20-Oct-18	151					
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	25-Sep-18	08-Nov-18	168					
NB03050	NB61A (75-190m) - NB post & panel installation	88.1%	5	42	05-May-18 A	25-Jul-18	228					
Box Culvert ID3 Works												
VO58 Extension of ID3												
ID30140	Wing Wall Construction	0%	60	60	02-Oct-18*	10-Dec-18	3					
Fanling Highway Construction												
Drainage & Road Works												
Ch 5880-6740												
RDZ41260	Z2 (CH5880-6740) : Fanling Highway S/B - D&R works (lane 2)	48.33%	31	60	25-Jun-18 A	24-Aug-18	112					
Other Works												
TCSS Works												
TCSS Pre-Construction Works												
TCSS0210	Sign Gantry Factory production - G55	0%	30	30	29-Sep-18	05-Nov-18	-7					
AADS1												
TCSS1400	Slow lane footing - AADS1 (NB43A)	0%	0	0		28-Sep-18	113					28-Sep-18 ♦ Slow lane footing
ADS1												
TCSS1970	Back filling & reinstatement road work (2m)	0%	18	18	20-Jul-18	09-Aug-18	125					
TCSS1980	TTA application & Approval - ADS1	0%	90	90	29-Sep-18	17-Jan-19	-7					
FADS1												
TCSS2050	TTA application & Approval - FADS1	0%	90	90	24-Aug-18	10-Dec-18	-7					
G55												
TCSS1740	TTA application & Approval - G55	0%	90	90	20-Jul-18	05-Nov-18	-7					
South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)												
Noise Barrier Along TWSR-West and Laying New Utilities												
NB64 & NB64A (Ch.6860-6920)-TWSR West Side												
Noise Barrier Works												
NB003350	Bus Shelter footing & shelter near NB64 - VO86	37.5%	40	64	21-May-18 A	04-Sep-18	193					
Noise Barrier Along Fanling Highway N/B												
NB60 (Ch.6450-6920)-FH N/B Side												
Noise Barrier Works												
NB02060	NB60-4 - Footing & Wall Structure	10%	45	50	16-Jul-18 A	10-Sep-18	-54					
NB02065	NB60-4 (300-408m) - Drainage Works	0%	24	24	11-Sep-18	10-Oct-18	-54					
NB02070	NB60-4 - backfilling	0%	20	20	11-Oct-18	03-Nov-18	-54					
NB02080	NB60-4 - NB production	0%	45	45	11-Sep-18	25-Oct-18	182					
NB02100	NB60 (408-468m)(NB60/18B-1 to S6, 0.19m -32nos) Piling	78.13%	7	32	20-Jun-18 A	27-Jul-18	20					
NB02101	NB60 (408-468m) FADS1 (8nos) Piling	0%	8	8	28-Jul-18	06-Aug-18	20					
NB66 (Ch.6920-6930)-FH N/B Side												
Noise Barrier Works												
NB02165	NB66 - Drainage Works	68.63%	16	51	08-May-18 A	07-Aug-18	-25					
NB02170	NB66- backfilling	0%	15	15	24-Aug-18	10-Sep-18	72					
NB02180	NB66 - NB production	0%	45	45	20-Jul-18	02-Sep-18	235					
NB02190	NB66 - NB post & panel installation	0%	5	5	11-Sep-18	15-Sep-18	183					
NB03320	Bus Shelter footing - VO86	0%	30	30	20-Jul-18	23-Aug-18	72					

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018				
								Jul	Aug	Sep	Oct	
Bridge Construction												
Kau Lung Hang Vehicular Bridge												
KLH Bridge - West Ramp												
KLH.1290	West Ramp - Planting	0%	21	21	20-Jul-18	13-Aug-18	212					
KLH Bridge - Deck 1												
KLH.3430	Deck 1 - Planting	0%	21	21	20-Jul-18	13-Aug-18	212					
KLH Bridge - Deck 3												
KLH.3500	Deck 3 - Planting	0%	21	21	20-Jul-18	13-Aug-18	244					
KLH Bridge - East Ramp												
KLH.3590	East Ramp - Planting	0%	34	34	20-Jul-18	28-Aug-18	552					
KLH Bridge - Ramp R1												
Z2.KLH.3610	Ramp R1 - Steel roof	86.55%	64	476	19-Jan-17 A	04-Oct-18	169					
KLH Bridge - Ramp R2												
Z2.KLH.1550	Ramp R2 - Steel roof	84.39%	69	442	14-Mar-17 A	10-Oct-18	164					
KLH Bridge - Staircase S1												
Z2.KLH.1460	S1 - Staircase steel work, handrail Shop drawing submission &	57.61%	39	92	28-Apr-18 A	27-Aug-18	11					
Z2.KLH.1462	S1 - Steel work ordering	0%	60	60	28-Aug-18	26-Oct-18	11					
Bridge Road Work												
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	20-Jul-18	10-Dec-18	113					
Lift at TWSR-W Side												
L01070	Structural Laminated glass wall installation	0%	11	11	16-Aug-18*	28-Aug-18	110					
L01090	Glass canopy (As Confirmed by ER, No glass canopy is required)	0%	0	0	20-Jul-18	20-Jul-18	144					
L01100	Lift installation	0%	70	70	29-Aug-18	21-Nov-18	110					
L01130	Finishes work	0%	88	88	29-Aug-18	12-Dec-18	111					
L01140	CLP Power available (by CLP)	96.19%	32	839	04-Apr-16 A	20-Aug-18	228					
Lift at FLHY S/B												
L01260	Lift installation	0%	45	45	30-Jul-18*	19-Sep-18	166					
L01270	Lift T&C	0%	14	14	20-Sep-18	03-Oct-18	204					
L01280	EMSD inspection & approval (Assume 7 days is required instead	0%	7	7	04-Oct-18	10-Oct-18	204					
L01290	Finishes work	0%	60	60	20-Jul-18	28-Sep-18	173					
L01300	CLP Power available (by CLP)	96.32%	32	870	04-Apr-16 A	20-Aug-18	234					
L01310	Lift available - NF117-Lift 2	0%	0	0		10-Oct-18	164					10-Oct-18 ♦ Lift ava
Signalized Junction												
Kau Lung Hang Vehicular Bridge												
KLH Bridge - West Ramp												
Z2.KLH.1032	Installation of Traffic Signal Poles at TWSR-W N/B (KLHVB)	0%	21	21	30-Jul-18*	22-Aug-18	198					
Z2.KLH.1042	Ducting & Cable Draw Installation (KLHVB)	0%	30	30	22-Sep-18	30-Oct-18	106					
Z2.KLH.1062	E-prom ordering by EMSD (KLHVB)	68.75%	30	96	20-May-18 A	21-Sep-18	131					
Noise Barrier Along Fanling Highway S/B												
NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB03120	NB62 (0-80m) - NB post & panel installation	50%	13	26	04-Jun-18 A	03-Aug-18	220					
NB03150	NB62 (80-110m) Under bridge - backfilling	70.59%	10	34	21-May-18 A	31-Jul-18	218					
NB03160	NB62 (80-110m) Under bridge - NB production	68.89%	14	45	20-May-18 A	02-Aug-18	266					
NB03170	NB62 (80-110m) Under bridge - NB post & panel installation	0%	5	5	03-Aug-18	08-Aug-18	216					
NB03210	NB62 (110-170m) - NB production	68.89%	14	45	20-May-18 A	02-Aug-18	266					
NB03220	NB62 (110-170m) - NB post & panel installation	0%	5	5	03-Aug-18	08-Aug-18	216					
North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)												
Bridge Construction												
New Ho Ka Yuen Footbridge												
TWSR-West/ FL Highway N/B Side Section												
HKY1440	Remaining Finishes works of HKYFB	90.55%	48	508	21-Nov-16 A	13-Sep-18	172					
HKY1520	VO11 - slope improvement work	0%	45	45	14-Sep-18	08-Nov-18	172					
TWSR-East FL Highway S/B Side Section												
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	86.64%	76	569	13-Oct-16 A	19-Oct-18	189					
ZONE 4 (Ch. 7925 to 8700)												
Noise Barrier Along TWSR-West and Laying New Utilities												
Underground Utility Works												
DN450 DI Watermain "A" (Ch 1989-2529)												
DI0180	DN450 DI watermain laying (400-450m)	90.74%	5	54	20-Apr-18 A	25-Jul-18	150					
DI0190	DN450 DI watermain laying (450-500m)	0%	30	30	26-Jul-18	29-Aug-18	150					
DI0200	DN450 DI watermain laying (500-540m)	0%	30	30	30-Aug-18	05-Oct-18	150					
Noise Barrier Along Fanling Highway N/B												
NB75 (Ch.7930-8090)-FH N/B Side												
Noise Barrier Works												
NB4275	NB75 - NB panel installation	0%	20	20	20-Jul-18	11-Aug-18	80					
NB4280	NB75 complete	0%	0	0		11-Aug-18	80					11-Aug-18 ♦ NB75 complete
NB77 (Ch.8090-8450)-FH N/B Side												
Noise Barrier Works												
NB4310	NB77 - Footing & Wall Structure (Ch8090-8190)	94.43%	16	287	20-Jul-17 A	07-Aug-18	6					
NB4320	NB77 - backfilling (Ch8090-8190)	0%	20	20	08-Aug-18	30-Aug-18	6					
NB4330	NB77 - NB production (Ch8090-8190)	0%	45	45	08-Aug-18	21-Sep-18	39					
NB4340	NB77 - NB post & panel installation (Ch8090-8190)	0%	15	15	22-Sep-18	11-Oct-18	30					
NB4400	NB77 - NB post & panel installation (Ch8190-8290)	0%	15	15	20-Jul-18	06-Aug-18	85					
NB4440	NB77 - backfilling (Ch8290-8390)	0%	20	20	06-Sep-18	29-Sep-18	1					
NB4450	NB77 - NB production (Ch8290-8390)	70.59%	20	68	03-May-18 A	08-Aug-18	83					

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2018			
								Jul	Aug	Sep	Oct
NB4460	NB77 - NB post & panel installation (Ch8290-8390)	0%	15	15	02-Oct-18	19-Oct-18	24				
NB4482	NB77 - Footing & Wall Structure (NB77/27 - 28, N1-N2)	86.49%	10	74	20-Apr-18 A	31-Jul-18	0				
NB4490	NB77 - Footing & Wall Structure (NB77/31 - 32, 0.19m & G35)	0%	40	40	01-Aug-18	15-Sep-18	0				
NB4500	NB77 - backfilling (Ch8390-8450)	0%	12	12	17-Sep-18	02-Oct-18	0				
NB4510	NB77 - NB production (Ch8390-8450)	0%	30	30	15-Sep-18	15-Oct-18	27				
NB4520	NB77 - NB post & panel installation (Ch8390-8450)	0%	5	5	15-Oct-18	22-Oct-18	22				
NB4570	NB77 backfilling complete	0%	0	0			0				02-Oct-18 ♦ NB77 backfilling
NB4620	NB77 Drainage Works	48.74%	61	119	10-May-18 A	29-Sep-18	1				
Bridge Construction											
New Wo Hop Shek Pedstrian & Cycle Bridge											
TWSR-West/ FL Highway N/B Side Section											
WHS1228	WHSP7 - Pile cap, Pier and Pier Head	0%	45	45	24-Aug-18	18-Oct-18	160				
WHS1260	WHSAB1 - pile cap & abutment wall	0%	30	30	20-Jul-18 A	23-Aug-18	178				
WHS1270	WHSAB1 - Backfilling (~4m)	0%	27	27	24-Aug-18	24-Sep-18	178				
WHS1280	Steel Staircase ready for erection (WHS-TWSR-W side)	0%	0	0		18-Oct-18	160				18-Oct-18 ♦
WHS1290	Erect Staircase (WHS-TWSR-W side)	0%	30	30	19-Oct-18	22-Nov-18	160				
WHS1420	Ramp - Finishes Work	0%	30	30	13-Jul-18 A	23-Aug-18	160				
TWSR-West Construction											
Drainage & Road Works											
TWSR-West/ FL Highway N/B Side Section											
RDZ41180	TWSR -W Road Works rectification	0%	50	50	06-Oct-18	04-Dec-18	150				
VO - Wall 76A Construction											
Retaining Wall W76A											
TWSR-East FL Highway S/B Side Section											
W76A1060	Road work for Caltex access road	72.35%	47	170	16-Jan-18 A	12-Sep-18	218				
Fanling Highway Construction											
Drainage & Road Works											
TWSR-West/ FL Highway N/B Side Section											
RDZ41106	Construct FH N/B Lane 3 (at NBZ2)	0%	20	20	16-Jul-18 A	11-Aug-18	0				
RDZ41107	TTA N15A Lane 3 (at NBZ2) with Chun Wo	0%	0	0		11-Aug-18	0				11-Aug-18* ♦ TTA N15A Lane 3 (at NBZ2) with Chun Wo
RDZ41108	Construct FH N/B Lane 4 (at NBZ2)	0%	20	20	13-Aug-18	04-Sep-18	22				
RDZ41109	TTA Lane 4 (at NBZ2) with Chun Wo	0%	0	0		04-Sep-18	22				04-Sep-18 ♦ TTA Lane 4 (at NBZ2) with Chun Wo
RDZ41110	Construct FH N/B Lane 1 (Ch8100-8600)	0%	20	20	03-Oct-18	26-Oct-18	0				
TWSR-East FL Highway S/B Side Section											
RDZ41131	Drainage work at central divider (Ch8100-8600)	94.42%	12	215	10-Oct-17 A	02-Aug-18	70				
RDZ41133	Construct FH S/B Lane 3 (Ch8100-8470)	51.56%	62	128	27-Mar-18 A	02-Oct-18	80				
RDZ41135	Construct FHS/B Lane 4 (Ch8100-8470)	51.56%	62	128	27-Mar-18 A	02-Oct-18	80				
Other Works											
Retaining Wall W78											
TWSR-East FL Highway S/B Side Section											
RWZ4.0910	Demolition of existing retaining wall (Instructed in 2-Jun-17 ad-hoc site)	11.43%	31	35	27-Jun-18 A	24-Aug-18	0				
RWZ4.1010	Base slab & Wall (6-11m high)- RW78 (Ch.0-50)	92.49%	13	173	02-Jan-18 A	03-Aug-18	18				
RWZ4.1020	Backfilling (6-11m high) - RW78 (Ch.0-50) (Slope S55)	0%	60	60	25-Aug-18	06-Nov-18	25				
RWZ4.1030	Base slab & Wall (0-6m high)- RW78 (Ch.50-129)	0%	85	85	25-Aug-18	05-Dec-18	0				
Slope Works											
TWSR-East FL Highway S/B Side Section											
S1030	Slope S53-Fill ~5m (Deleted, VO pending)	0%	0	0	20-Jul-18	20-Jul-18	100				
S1040	Slope S54A-Cut ~4m	0%	40	40	20-Jul-18	04-Sep-18	189				
S1050	Slope S54B-Cut ~5m	0%	40	40	20-Jul-18	04-Sep-18	189				
TCSS Works											
TCSS Pre-Construction Works											
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	11-Jul-18 A	09-Aug-18	35				
TCSS0150	Confirm Shop drawing & ready for material ordering & factory	0%	0	0		09-Aug-18	35				09-Aug-18 ♦ Confirm Shop drawing & ready for material ordering & factory p
TCSS0160	Raw material procurement	91.43%	18	210	09-Jan-18 A	09-Aug-18	41				
TCSS0180	Sign Gantry Factory production - FVMS1 (Deleted)	0%	0	0	10-Aug-18	10-Aug-18	568				
TCSS0230	Sign Gantry Factory production - G34 (Z4)	0%	30	30	30-Aug-18	05-Oct-18	50				
TCSS0250	Sign Gantry Factory production - G36 (Z4)	0%	30	30	06-Oct-18	10-Nov-18	50				
G34											
TCSS1530	Fast lane footing - G34 (CH7990, N/B)	0%	30	30	01-Aug-18	04-Sep-18	75				
TCSS1780	TTA application & Approval - G34 (Z4)	27.78%	65	90	20-Jun-18 A	05-Oct-18	50				
TCSS1790	Sign Gantry Erection - G34 (Z4)	0%	30	30	06-Oct-18	10-Nov-18	50				
G35											
TCSS1540	Slow lane footing - G35 (NB77)	0%	0	0		02-Oct-18	173				02-Oct-18 ♦ Slow lane foot
G36											
TCSS1570	latest date for Slow lane footing available - G36 (NB by other)	0%	0	0		05-Oct-18	50				05-Oct-18 ♦ latest date f
TCSS1820	TTA application & Approval - G36 (Z4)	0%	90	90	26-Jul-18	10-Nov-18	50				
DS50											
TCSS1840	TTA application & Approval - DS50 (Z4)	0%	90	90	30-Aug-18	15-Dec-18	50				
FADS8											
TCSS1630	Fast lane footing - FADS8 (CH8220, S/B)	0%	30	30	03-Aug-18	06-Sep-18	163				
TCSS1860	TTA application & Approval - FADS8 (Z4)	0%	90	90	06-Oct-18	23-Jan-19	50				
TCSS Hub Room											
TCSS1900	TCSS Hub Room Structure	0%	45	45	20-Jul-18	10-Sep-18	130				
TCSS1910	TCSS Hub Room Finishes	0%	45	45	11-Sep-18	05-Nov-18	130				

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

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		
			May 18	Jun 18	Jul 18	May 18	Jun 18	Jul 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	-	-
	All stockpiles of excavated materials or spoil of more than 50m ³ shall be enclosed, covered or dampened during dry or windy conditions.		V	@	@	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	-	-
	All spraying of materials and surfaces shall avoid excessive water usage.		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	-	-
	Materials shall be dampened, if necessary, before transportation.		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	-	-
	Vehicle washing facilities shall be provided to minimize the quantity of material deposited on public roads.		@	V	@	V	-	-

Noise – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			May 18	Jun 18	Jul 18	May 18	Jun 18	Jul 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	-	-
	Reduce the number of equipment and their percentage on-time.		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.	-	-
	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.	-	-
	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.	-	-
	2.5 m high temporary noise barrier along Tai Wo Service Road West (Figure 2c of the Environmental Permit).		V*	V*	V*	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.	-	-
	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.	-	-
	7 m high temporary noise barrier near Kiu Tau Footbridge work area (Figure 2d of the Environmental Permit).		V*	V*	V*	N.A.	-	-
2.5 m high temporary noise barrier near river diversion work area (Figure 2e of the Environmental Permit).	V*	V*	V*	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		
			May 18	Jun 18	Jul 18	May 18	Jun 18	Jul 18
Water quality during construction	Demolition and reconstruction of bridges <ul style="list-style-type: none"> - Prevent off-site migration through use of sheet piles. - Minimise duration of works as far as practical. - All sewer and drainage connections should be sealed to prevent debris, soil, sand, etc, from entering public sewers/drains. - Site surface runoff should be settled to remove sand/silt before it is discharged into the existing storm drains. 	During construction	V	V	@	N.A.	-	-
	Road Widening Works, Earthworks and Culvert Extension Works <ul style="list-style-type: none"> - 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. - Sand traps, oil interceptors and other pollution prevention installations should be provided, properly cleaned and maintained. - 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. - Regular inspections of stilling basins and/or silt traps is required to ensure that sediment is not conveyed into the existing drainage system. - Open stockpiles should be covered with a tarpaulin cover. - During the wet season, any exposed top soils should be covered with a tarpaulin, shotcreted or hydroseeded. - Sand and silt from wash-water from vehicle washing should be settled out before discharging into storm drains. - Fuels should be stored in bunded areas such that spillage can be easily collected. 		V	@	@	V	-	-

Waste – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			May 18	Jun 18	Jul 18	May 18	Jun 18	Jul 18
Waste management during construction	General Waste <ul style="list-style-type: none"> - 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	-	-
	Vegetation from site clearance <ul style="list-style-type: none"> - 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	-	-
	Demolition Wastes <ul style="list-style-type: none"> - Segregation of materials to facilitate disposal. - Appropriate stockpile management. 		V	V	V	V	-	-
	Excavated Materials <ul style="list-style-type: none"> - 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	-	-
	Construction Wastes <ul style="list-style-type: none"> - 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	-	-

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

Ecology – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			May 18	Jun 18	Jul 18	May 18	Jun 18	Jul 18
Ecology during construction	<p>Accurate Delineation of Works Area</p> <ul style="list-style-type: none"> - Boundaries of proposed works areas shall be clearly identified and separated from external areas by a physical barrier to prevent encroachment of adjacent habitats. - 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. 	During construction	V	V	V	V	-	-
	<p>Vegetation Clearance</p> <ul style="list-style-type: none"> - No fires shall be lit within the works area for the purpose of burning cleared vegetation. - The Contractor shall give consideration to mulching the cleared vegetation for recycling within the works area / adjacent land. 		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"> - Vehicle washing facilities to be provided at every discernible or designated vehicle exit point; - All temporary site access roads shall be sprayed with water to suppress dust as necessary; - All dusty materials should be sprayed with water immediately prior to any handling; and - All debris should be covered entirely by impervious sheeting or stored in a sheltered debris collection area. 		@	@	@	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"> - Bund and cover stock piles to avoid run-off; - Channel any run-off through a system of oil, grease and sediment / silt traps and reuse water on site where ever practical; - All vehicle maintenance to be undertaken within a bunded area; and - Maximise vegetation retention on-site to maximise absorption (minimise transport). 		V	V	@	V	-	-
--	---	--	---	---	---	---	---	---

Landscape and Visual Impact – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status					
			HY/2012/06			02/HY/2015		
			May 18	Jun 18	Jul 18	May 18	Jun 18	Jul 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	-	-
	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	-	-
	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.	-	-
	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.	-	-
	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.	-	-

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.

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

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 ³	500 µg/m ³

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

Location	Action Level	Limit Level
AM2	200.7 µg/m ³	260 µg/m ³

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)

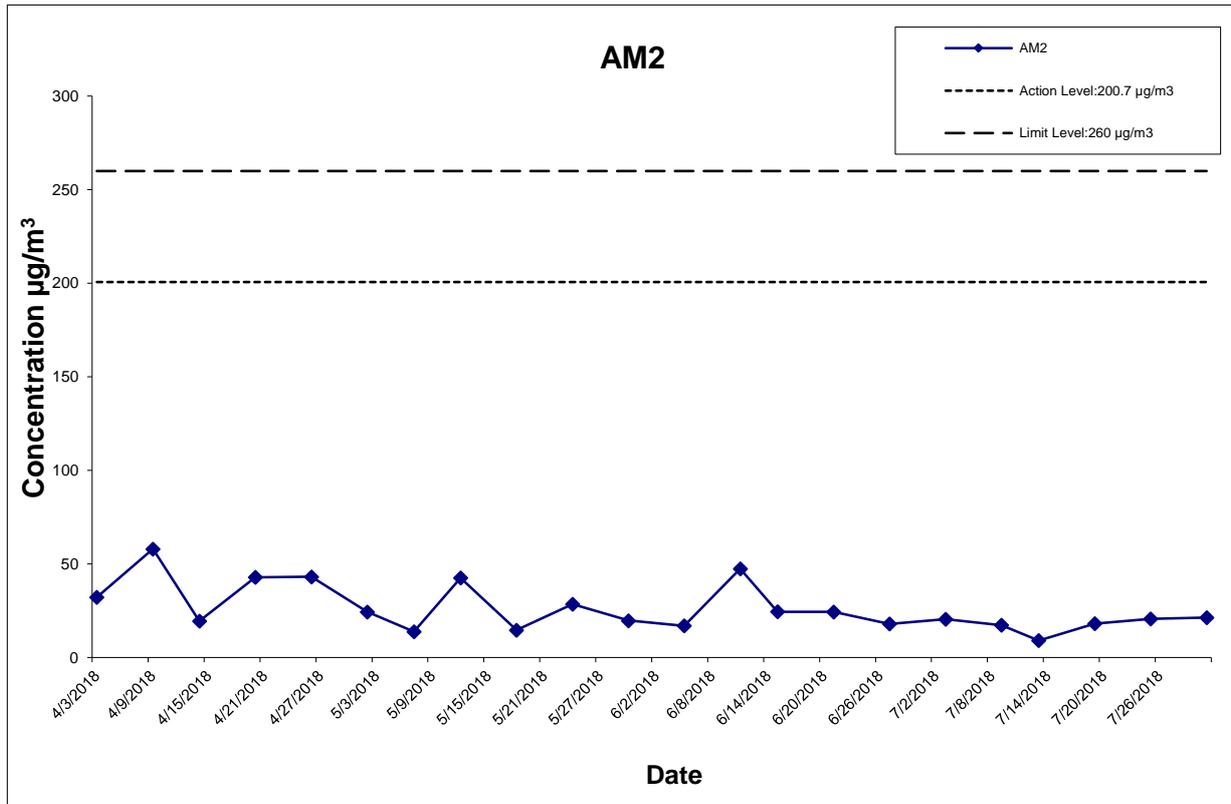
*Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65dB(A) applies during school examination period

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

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 ³ /min.)		Av. flow (m ³ /min)	Total vol. (m ³)	Filter Weight (g)		Particulate weight(g)	Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Actino Level (µg/m ³)	Limit Level (µg/m ³)
				Initial	Final			Initial	Final		Initial	Final				
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
2-May-18	Sunny	27.9	1012.4	1.324	1.324	1.324	1906.6	2.5665	2.6131	0.0466	10194.02	10218.02	24.00	24.4	200.7	260
7-May-18	Sunny	28.0	1007.2	1.324	1.324	1.324	1906.6	2.5698	2.5963	0.0265	10242.02	10266.02	24.00	13.9	200.7	260
12-May-18	Cloudy	26.5	1012.3	1.324	1.324	1.324	1906.6	2.5649	2.6462	0.0813	10266.02	10290.02	24.00	42.6	200.7	260
18-May-18	Cloudy	29.8	1007.7	1.324	1.324	1.324	1906.6	2.5772	2.6055	0.0283	10290.02	10314.02	24.00	14.8	200.7	260
24-May-18	Fine	30.0	1009.3	1.324	1.324	1.324	1906.6	2.5708	2.6254	0.0546	10314.02	10338.02	24.00	28.6	200.7	260
30-May-18	Sunny	31.2	1009.7	1.324	1.324	1.324	1906.6	2.5794	2.6172	0.0378	10338.02	10362.02	24.00	19.8	200.7	260
5-Jun-18	Rainy	27.1	1006.8	1.324	1.324	1.324	1906.6	2.5755	2.6079	0.0324	10362.02	10386.02	24.00	17.0	200.7	260
11-Jun-18	Fine	30.5	1002.4	1.324	1.324	1.324	1906.6	2.5494	2.6399	0.0905	10386.02	10410.02	24.00	47.5	200.7	260
15-Jun-18	Fine	27.1	1001.8	1.324	1.324	1.324	1906.6	2.6021	2.6488	0.0467	10410.02	10434.02	24.00	24.5	200.7	260
21-Jun-18	Sunny	30.0	1005.9	1.324	1.324	1.324	1906.6	2.6176	2.6642	0.0466	10434.02	10458.02	24.00	24.4	200.7	260
27-Jun-18	Fine	29.2	1010.0	1.324	1.324	1.324	1906.6	2.5551	2.5894	0.0343	10458.02	10482.02	24.00	18.0	200.7	260
3-Jul-18	Fine	29.7	1002.5	1.324	1.324	1.324	1906.6	2.5630	2.6020	0.0390	10482.02	10506.02	24.00	20.5	200.7	260
9-Jul-18	Rainy	28.2	1005.7	1.324	1.324	1.324	1906.6	2.6762	2.7094	0.0332	10506.02	10530.02	24.00	17.4	200.7	260
13-Jul-18	Rainy	26.7	1003.9	1.324	1.324	1.324	1906.6	2.6764	2.6939	0.0175	10530.02	10554.02	24.00	9.2	200.7	260
19-Jul-18	Rainy	27.9	1004.6	1.324	1.324	1.324	1906.6	2.6427	2.6774	0.0347	10554.02	10578.02	24.00	18.2	200.7	260
25-Jul-18	Fine	29.4	1005.8	1.324	1.324	1.324	1906.6	2.6561	2.6956	0.0395	10578.02	10602.02	24.00	20.7	200.7	260
31-Jul-18	Rainy	30.2	1005.5	1.324	1.324	1.324	1906.6	2.6356	2.6764	0.0408	10602.02	10626.02	24.00	21.4	200.7	260
Average for the reporting quarter (May 18 to Jul 18)														22.5		
Minimum for the reporting quarter (May 18 to Jul 18)														9.2		
Maximum for the reporting quarter (May 18 to Jul 18)														47.5		



This Drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent.

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

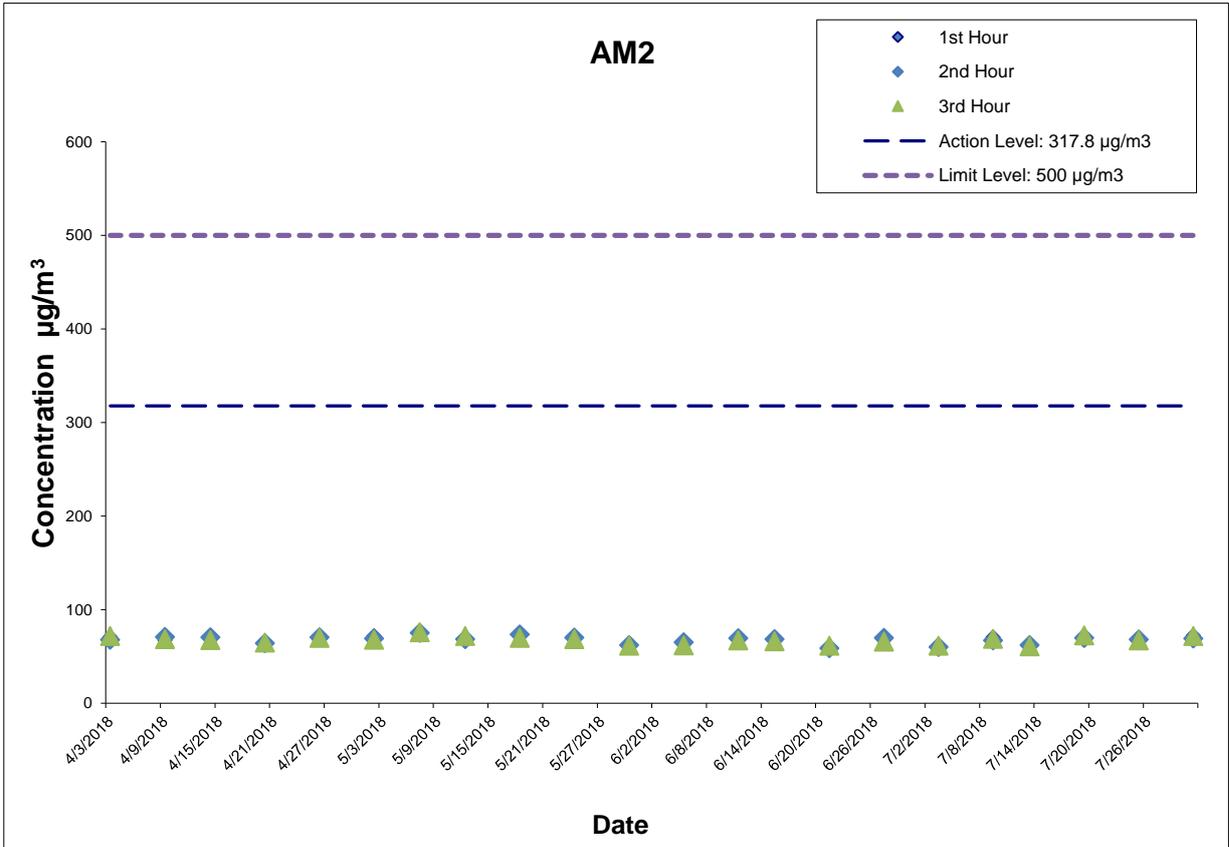
Date: Aug-18

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. ($\mu\text{g}/\text{m}^3$)
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
2-May-18	13:00	72.0	69.2	67.9
7-May-18	13:30	75.6	75.3	76.1
12-May-18	13:00	66.5	68.7	72.1
18-May-18	13:10	72.7	73.6	69.8
24-May-18	13:10	71.2	70.3	68.6
30-May-18	14:00	60.6	62.4	61.7
5-Jun-18	13:35	63.3	65.2	62.0
11-Jun-18	12:10	67.9	69.6	67.4
15-Jun-18	10:45	70.5	68.6	66.1
21-Jun-18	13:00	60.0	58.8	61.7
27-Jun-18	10:30	68.6	69.9	65.8
3-Jul-18	13:30	58.9	60.4	61.6
9-Jul-18	9:45	70.6	67.2	68.8
13-Jul-18	13:20	61.7	62.2	60.9
19-Jul-18	11:35	67.7	69.8	72.6
25-Jul-18	11:25	67.5	68.1	67.2
31-Jul-18	11:35	72.3	69.2	71.8
Average for the reporting quarter (May 18 to Jul 18)				67.4
Minimum for the reporting quarter (May 18 to Jul 18)				58.8
Maximum for the reporting quarter (May 18 to Jul 18)				76.1



This Drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent.

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



Graphical Presentation of Impact 1-hour TSP Monitoring Results

Project No.: 60307376

Date: Aug-18

Appendix E

**APPENDIX F
METEROLOGICAL DATA**

[Home](#)[What's new](#)[About us](#)[HKO Side Lights](#)[Our Services](#)[Visitors Figures](#)[Press releases](#)[Weather Note \(Chinese\)](#)[Today's Weather](#)[Warnings](#)[Local Weather](#)[Observations](#)[Weather Forecast](#)[Weather Monitoring](#)[Imagery](#)[Computer Forecast](#)[Products](#)[MyObservatory](#)[Met on Map](#)[Tropical Cyclones](#)[Aviation Weather](#)[Services](#)[Marine Meteorological](#)[Services](#)[Weather Information for Sports](#)[Weather Information for Communities](#)[China Weather](#)[World Weather](#)[Climatological Information Services](#)[> Climate Watch](#)[> Climate Statistics](#)[> Climate Prediction](#)[> Climate Knowledge](#)[> Need More](#)[Information?](#)[> Global Climate](#)[Services](#)[> Other Useful Links](#)[Climate Forecast](#)[Climate Change](#)[El Nino and La Nina](#)[Earthquakes and](#)[Tsunamis](#)[Astronomy, Space](#)[Weather and](#)[Geomagnetism](#)[Time and Calendar](#)[Radiation Monitoring,](#)[Assessment and](#)[Protection](#)[Educational Resources](#)[Publications](#)[Back](#)

Daily Extract of Meteorological Observations , May 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	1011.2	30.8	26.7	24.3	23.3	82	***	***	***
02	1011.0#	33.6#	26.7#	23.8#	22.6#	79#	***	***	***
03	1013.3	31.2	26.2	21.9	21.9	78	***	***	***
04	1015.3	24.3#	23.0	21.2#	19.4	81	***	***	***
05	1014.6	25.6	24.4	23.2	20.6	80	***	***	***
06	1010.2	30.5#	26.9	24.2#	22.8	79	***	***	***
07	1006.1	29.6#	26.7	22.6#	23.6	83	***	***	***
08	1007.5	25.9	24.2	22.3	22.4	90	***	***	***
09	1012.3	24.6	23.7	21.8	21.4	87	***	***	***
10	1014.3	23.2	22.5	21.3	19.4	83	***	***	***
11	***	***	***	***	***	***	***	***	***
12	***	***	***	***	***	***	***	***	***
13	***	***	***	***	***	***	***	***	***
14	1008.9#	32.0#	28.9#	27.4#	24.2#	76#	***	***	***
15	1009.3	32.9#	28.7	25.9#	23.7	75	***	***	***
16	1008.9	32.7	28.2	24.7	23.0	74	***	***	***
17	1008.2	33.9#	29.1	25.8#	24.0	75	***	***	***
18	1007.6	34.2	29.7	26.9	24.5	74	***	***	***
19	1007.6	36.5	30.2	26.3	26.1	72#	***	***	***
20	1008.4	34.0	29.5	25.9	29.4	***	***	***	***
21	1009.6	33.8#	29.3	25.8#	24.2#	69#	***	***	***
22	1010.5	33.2#	29.6	26.3#	23.7	72	***	***	***
23	1009.6	35.2#	30.1	26.0#	23.9	70	***	***	***
24	1009.4	32.4#	29.1	26.9#	24.0	75	***	***	***
25	1008.3	33.7#	29.3	25.7#	23.9	74	***	***	***
26	1008.3	34.2#	30.5	28.0#	24.7	72	***	***	***
27	1008.9	34.4	30.3	27.7	24.7	72	***	***	***
28	1009.0	37.5#	30.9	26.9#	23.3	66	***	***	***
29	1009.6	38.1#	31.8	27.2#	23.1	63	***	***	***
30	1009.6	36.3#	31.0	28.4#	24.2	68	***	***	***
31	1009.5	37.8#	31.5	27.9#	23.6	64	***	***	***

*** unavailable

data incomplete

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

2003 [Important notices](#) | [Privacy policy](#)

Last revision date: <17 May 2017>

[Home](#)[What's new](#)[About us](#)[HKO Side Lights](#)[Our Services](#)[Visitors Figures](#)[Press releases](#)[Weather Note \(Chinese\)](#)[Today's Weather](#)[Warnings](#)[Local Weather](#)[Observations](#)[Weather Forecast](#)[Weather Monitoring](#)[Imagery](#)[Computer Forecast](#)[Products](#)[MyObservatory](#)[Met on Map](#)[Tropical Cyclones](#)[Aviation Weather](#)[Services](#)[Marine Meteorological](#)[Services](#)[Weather Information for](#)[Sports](#)[Weather Information for](#)[Communities](#)[China Weather](#)[World Weather](#)[Climatological Information
Services](#)[> Climate Watch](#)[> Climate Statistics](#)[> Climate Prediction](#)[> Climate Knowledge](#)[> Need More](#)[Information?](#)[> Global Climate](#)[Services](#)[> Other Useful Links](#)[Climate Forecast](#)[Climate Change](#)[El Nino and La Nina](#)[Earthquakes and](#)[Tsunamis](#)[Astronomy, Space](#)[Weather and](#)[Geomagnetism](#)[Time and Calendar](#)[Radiation Monitoring,](#)[Assessment and](#)[Protection](#)[Educational Resources](#)[Publications](#)[Back](#)

Daily Extract of Meteorological Observations , May 2018 - Tai Mei Tuk

 Year Month Go

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	***	31.6	26.9	23.8	***	***	0.0	130	5.5
02	***	34.7	28.2	24.1	***	***	0.0	260	4.7
03	***	33.6#	26.5	21.4#	***	***	9.0	100	15.3
04	***	23.9	22.5	21.0	***	***	10.0	100	18.4
05	***	26.4	24.3	23.0	***	***	0.0	080	13.9
06	***	31.7	27.4	24.2	***	***	1.5	230	15.6
07	***	29.0#	26.6	22.9#	***	***	49.5	240	20.0
08	***	27.3	24.5	22.6	***	***	2.0	050	5.8
09	***	24.7	23.5	21.2	***	***	12.0	080	15.7
10	***	22.8	22.4	21.7	***	***	0.5	080	15.3
11	***	24.5#	23.2	21.9#	***	***	0.5	090	8.1
12	***	31.2	26.2	23.2	***	***	0.0	150	4.5
13	***	32.5	27.7	24.0	***	***	0.0	270	4.5
14	***	34.2#	28.6	24.9#	***	***	0.0	230	6.2
15	***	33.2	28.3	25.5	***	***	0.0	150#	5.2#
16	***	33.1	28.2	25.0	***	***	0.0	150#	4.4#
17	***	34.4	29.1	25.2	***	***	0.0	140	6.4
18	***	35.0#	29.8	26.6#	***	***	0.0	220	6.6
19	***	35.8#	30.1	26.5#	***	***	0.0	260	5.6
20	***	35.8	30.0	26.2	***	***	0.0	260	5.9
21	***	35.3#	29.8	26.3#	***	***	0.0	150	3.9
22	***	35.3	30.1	26.4	***	***	0.0	150	4.4
23	***	36.1#	30.7	26.4#	***	***	0.0	220	6.9
24	***	35.2	29.4	26.9	***	***	0.0	150	7.0
25	***	34.9	29.8	25.9	***	***	0.0	080	7.2
26	***	34.4#	30.5	27.8#	***	***	0.5	270	12.2
27	***	35.6	30.1	27.6	***	***	2.5	270	11.6
28	***	36.1	30.7	26.8	***	***	0.0	260	9.9
29	***	37.1#	31.8	27.3#	***	***	0.0	260	11.8
30	***	37.3#	31.2	28.0#	***	***	0.0	250	9.5
31	***	37.4#	31.7	28.1#	***	***	0.0	220	7.0

*** unavailable

data incomplete

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

 2003  | [Important notices](#) | [Privacy policy](#)

Last revision date: <17 May 2017>

[Home](#)[What's new](#)[About us](#)[HKO Side Lights](#)[Our Services](#)[Visitors Figures](#)[Press releases](#)[Weather Note \(Chinese\)](#)[Today's Weather](#)[Warnings](#)[Local Weather](#)[Observations](#)[Weather Forecast](#)[Weather Monitoring](#)[Imagery](#)[Computer Forecast](#)[Products](#)[MyObservatory](#)[Met on Map](#)[Tropical Cyclones](#)[Aviation Weather](#)[Services](#)[Marine Meteorological](#)[Services](#)[Weather Information for](#)[Sports](#)[Weather Information for](#)[Communities](#)[China Weather](#)[World Weather](#)[Climatological Information
Services](#)[> Climate Watch](#)[> Climate Statistics](#)[> Climate Prediction](#)[> Climate Knowledge](#)[> Need More](#)[Information?](#)[> Global Climate](#)[Services](#)[> Other Useful Links](#)[Climate Forecast](#)[Climate Change](#)[El Nino and La Nina](#)[Earthquakes and](#)[Tsunamis](#)[Astronomy, Space](#)[Weather and](#)[Geomagnetism](#)[Back](#)

Daily Extract of Meteorological Observations , June 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	1010.2	32.9#	28.8	26.7#	25.0	81	***	***	***
02	1010.9	30.3	28.0	26.5	23.6	78	***	***	***
03	1008.7	31.0#	28.3	26.6#	24.0	78	***	***	***
04	1007.8	29.3#	27.9	26.8#	24.7	83	***	***	***
05	1007.4	28.7#	26.6	25.3#	25.4	93	***	***	***
06	1005.7	28.7	26.5	25.0	25.5	94	***	***	***
07	1004.8	28.1#	26.8	25.3#	25.5	92	***	***	***
08	1001.3	28.7	27.2	25.0	25.1	89	***	***	***
09	999.3	30.2#	27.8	25.5#	24.8	84	***	***	***
10	1000.8	33.6#	29.7	26.2#	23.2	70	***	***	***
11	1002.8	32.1	29.2	25.5	21.9	66	***	***	***
12	1002.9	28.7#	26.6	24.6#	24.5	89	***	***	***
13	998.7	27.1	25.8	24.8	25.1	96	***	***	***
14	998.9	27.6#	26.1	24.9#	23.4	85	***	***	***
15	1002.4	28.7	26.7	24.1	22.8	79	***	***	***
16	1004.1	31.8	28.1	26.8	22.5	72	***	***	***
17	1002.8	30.9#	28.4	26.4#	22.3	70	***	***	***
18	1002.1	32.6#	29.1	26.6#	24.4	76	***	***	***
19	1004.2	31.9	29.1	27.1	25.3	80	***	***	***
20	1005.6	32.7#	29.7	26.9#	25.9	80	***	***	***
21	1006.0	32.9#	29.9	28.4#	25.7	79	***	***	***
22	1006.7	29.9#	26.6	24.6#	25.3	93	***	***	***
23	1007.3	28.8	25.8	24.8	25.0	95	***	***	***
24	1008.5	30.6#	28.0	26.2#	25.3	85	***	***	***
25	1009.3	30.6	27.0	25.3	25.2	90	***	***	***
26	1011.0	31.1	27.9	25.3	25.3	86	***	***	***
27	1010.5	31.1	27.8	25.5	24.9	85	***	***	***
28	1007.2	34.7#	29.3	25.0#	24.4	76	***	***	***
29	1004.3	34.3	30.2	26.8	24.8	74	***	***	***
30	1004.3	32.2#	29.6	27.2#	25.5	79	***	***	***

*** unavailable

data incomplete

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

2003 © | [Important notices](#) | [Privacy policy](#)

Last revision date: <17 May 2017>

[Home](#)[What's new](#)[About us](#)[HKO Side Lights](#)[Our Services](#)[Visitors Figures](#)[Press releases](#)[Weather Note \(Chinese\)](#)[Today's Weather](#)[Warnings](#)[Local Weather](#)[Observations](#)[Weather Forecast](#)[Weather Monitoring](#)[Imagery](#)[Computer Forecast](#)[Products](#)[MyObservatory](#)[Met on Map](#)[Tropical Cyclones](#)[Aviation Weather](#)[Services](#)[Marine Meteorological](#)[Services](#)[Weather Information for](#)[Sports](#)[Weather Information for](#)[Communities](#)[China Weather](#)[World Weather](#)[Climatological Information
Services](#)[> Climate Watch](#)[> Climate Statistics](#)[> Climate Prediction](#)[> Climate Knowledge](#)[> Need More](#)[Information?](#)[> Global Climate](#)[Services](#)[> Other Useful Links](#)[Climate Forecast](#)[Climate Change](#)[El Nino and La Nina](#)[Earthquakes and](#)[Tsunamis](#)[Astronomy, Space](#)[Weather and](#)[Geomagnetism](#)[Back](#)

Daily Extract of Meteorological Observations , June 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	***	36.4#	29.9	26.9#	***	***	0.0	090	7.7
02	***	33.1	28.5	26.1	***	***	0.0	090	11.8
03	***	34.0	28.9	26.3	***	***	0.0	090	14.5
04	***	32.7#	27.9	25.7#	***	***	0.5	080	21.3
05	***	30.2#	26.6	25.2#	***	***	30.0	050	14.9
06	***	27.4#	26.2	24.9#	***	***	181.5	080	14.3
07	***	27.3#	26.3	25.5#	***	***	59.0	080	17.1
08	***	27.8	26.4	24.5	***	***	87.0	150	11.5
09	***	29.7	27.5	25.5	***	***	9.5	270	7.9
10	***	33.6	29.8	26.3	***	***	0.0	260	7.9
11	***	34.2	29.7	26.2	***	***	0.0	050	6.6
12	***	29.3#	26.3	24.0#	***	***	31.5	050	8.7
13	***	27.2	25.4	24.2	***	***	72.0	050	10.4
14	***	27.2	25.9	24.8	***	***	0.0	040	7.3
15	***	31.3	27.1	24.5	***	***	0.0	050	9.9
16	***	30.7	27.6	25.6	***	***	0.0	070	18.9
17	***	32.9	28.5	25.3	***	***	0.0	050	13.4
18	***	32.6	28.9	26.6	***	***	0.0	250	14.0
19	***	32.4#	28.8	26.9#	***	***	19.0	240	13.7
20	***	32.2#	29.4#	27.2#	***	***	0.0#	240#	11.5#
21	***	33.1	29.6	27.3	***	***	0.0	230#	6.8#
22	***	30.7	26.8	24.1	***	***	39.0	270	6.7
23	***	27.9	25.8	24.4	***	***	31.5	050	7.2
24	***	32.5	28.7	25.8	***	***	0.0	150	8.5
25	***	29.6	27.2	25.4	***	***	8.5	150	7.3
26	***	32.7	28.6	25.0	***	***	1.5	150	6.4
27	***	33.8	29.0	25.9	***	***	0.0	260	5.6
28	***	33.8	29.6	25.7	***	***	0.0	240	8.5
29	***	34.3	30.0	26.9	***	***	0.0	260	14.8
30	***	34.0#	30.0	27.2#	***	***	0.0	240	13.3

*** unavailable

data incomplete

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

2003 © | [Important notices](#) | [Privacy policy](#)

Last revision date: <17 May 2017>

[Home](#)[What's new](#)[About us](#)[HKO Side Lights](#)[Our Services](#)[Visitors Figures](#)[Press releases](#)[Weather Note \(Chinese\)](#)[Today's Weather](#)[Warnings](#)[Local Weather](#)[Observations](#)[Weather Forecast](#)[Weather Monitoring](#)[Imagery](#)[Computer Forecast](#)[Products](#)[MyObservatory](#)[Met on Map](#)[Tropical Cyclones](#)[Aviation Weather](#)[Services](#)[Marine Meteorological](#)[Services](#)[Weather Information for](#)[Sports](#)[Weather Information for](#)[Communities](#)[China Weather](#)[World Weather](#)[Climatological Information
Services](#)[> Climate Watch](#)[> Climate Statistics](#)[> Climate Prediction](#)[> Climate Knowledge](#)[> Need More](#)[Information?](#)[> Global Climate](#)[Services](#)[> Other Useful Links](#)[Climate Forecast](#)[Climate Change](#)[El Nino and La Nina](#)[Earthquakes and](#)[Tsunamis](#)[Astronomy, Space](#)[Weather and](#)[Geomagnetism](#)[Back](#)

Daily Extract of Meteorological Observations , July 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	1004.2	33.1	30.1	27.8	25.2	75	***	***	***
02	1003.7	32.0	28.6	23.8	25.6	84	***	***	***
03	1002.8	31.0	28.9	26.6	25.8	84	***	***	***
04	1002.4	32.5	29.9	27.8	25.7	79	***	***	***
05	1002.7	29.7#	28.0	25.9#	25.7	88	***	***	***
06	1002.9	33.1#	29.6	27.0#	25.6	80	***	***	***
07	1003.8	29.7	27.7	26.2	25.7	89	***	***	***
08	1005.0	30.0	27.9	26.1	25.5	87	***	***	***
09	1006.4	30.1#	28.1	25.5#	25.3	85	***	***	***
10	1005.7	31.4	28.5	25.7	25.1	82	***	***	***
11	1002.1	34.8	29.7	25.8	24.3	73	***	***	***
12	1003.9	31.8	29.0	25.9	25.4	82	***	***	***
13	1004.6	28.1#	26.5	25.6#	25.4	94	***	***	***
14	1004.7	29.5	27.1	25.1	25.0	89	***	***	***
15	1004.9	28.2#	26.7	24.9#	24.7	89	***	***	***
16	1004.7	29.6	27.8	25.6	24.4	82	***	***	***
17	1003.1	33.0#	29.3	26.4#	25.6	81	***	***	***
18	1004.7	29.6#	27.9	25.5#	25.1	85	***	***	***
19	1005.3	30.3	28.5	27.0	25.2	82	***	***	***
20	1004.4	30.6	28.4	26.2	25.2	83	***	***	***
21	1003.1	32.6	29.1	26.1	24.7	78	***	***	***
22	1002.6	33.4	29.2	26.2	24.0	74	***	***	***
23	1002.4	30.8#	28.2	26.3#	25.4	85	***	***	***
24	1004.1	31.6	29.2	27.1	26.1	83	***	***	***
25	1006.4	31.7	29.1	26.9	25.9	83	***	***	***
26	1007.1	31.9	28.7	26.3	25.7	84	***	***	***
27	1007.2	32.1	29.1	26.9	25.1	80	***	***	***
28	1007.2	33.1	29.5	26.5	25.1	78	***	***	***
29	1006.3	33.3	29.3	26.2	24.6	76	***	***	***
30	1006.0	33.7	29.6	26.4	24.7	76	***	***	***
31	1005.9	33.7	29.9	27.0	24.8	75	***	***	***

*** unavailable

data incomplete

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

2003 © | [Important notices](#) | [Privacy policy](#)

Last revision date: <17 May 2017>

[Home](#)[What's new](#)[About us](#)[HKO Side Lights](#)[Our Services](#)[Visitors Figures](#)[Press releases](#)[Weather Note \(Chinese\)](#)[Today's Weather](#)[Warnings](#)[Local Weather](#)[Observations](#)[Weather Forecast](#)[Weather Monitoring](#)[Imagery](#)[Computer Forecast](#)[Products](#)[MyObservatory](#)[Met on Map](#)[Tropical Cyclones](#)[Aviation Weather](#)[Services](#)[Marine Meteorological](#)[Services](#)[Weather Information for](#)[Sports](#)[Weather Information for](#)[Communities](#)[China Weather](#)[World Weather](#)[Climatological Information
Services](#)[> Climate Watch](#)[> Climate Statistics](#)[> Climate Prediction](#)[> Climate Knowledge](#)[> Need More](#)[Information?](#)[> Global Climate](#)[Services](#)[> Other Useful Links](#)[Climate Forecast](#)[Climate Change](#)[El Nino and La Nina](#)[Earthquakes and](#)[Tsunamis](#)[Astronomy, Space](#)[Weather and](#)[Geomagnetism](#)[Back](#)

Daily Extract of Meteorological Observations , July 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	***	34.3	30.2	27.7	***	***	0.0	240	13.6
02	***	32.9	28.4	24.3	***	***	24.0	260	11.8
03	***	31.8	28.3	25.7	***	***	54.5	260	13.2
04	***	31.6	29.1	26.9	***	***	11.0	240	17.7
05	***	28.9	27.5	25.7	***	***	122.0	270	13.8
06	***	33.3#	29.5	27.1#	***	***	0.5	240	8.5
07	***	29.9	27.8	26.4	***	***	1.0	060	4.6
08	***	32.6	27.9	26.3	***	***	4.5	070	11.5
09	***	31.3	27.9	25.3	***	***	4.5	060	24.2
10	***	32.1	28.2	26.4	***	***	1.5	060	12.5
11	***	34.2	29.6	25.8	***	***	0.0	220	8.5
12	***	33.1	29.3	26.5	***	***	0.5	080	16.3
13	***	27.5#	26.0	25.1#	***	***	77.5	070	20.3
14	***	29.7	26.4	24.5	***	***	48.0	090	32.4
15	***	28.3	26.1	24.6	***	***	26.5	070	35.8
16	***	30.5#	27.4	25.4#	***	***	3.0	060	26.1
17	***	33.3	29.3	26.4	***	***	15.0	090	19.0
18	***	29.1	27.5	25.0	***	***	29.0	090	29.5
19	***	31.1	28.2	26.2	***	***	8.0	080	28.9
20	***	31.4#	28.1	25.5#	***	***	7.0	090	18.3
21	***	33.7	29.2	26.3	***	***	0.0	270	5.4
22	***	33.9#	29.4	26.2#	***	***	0.0	230	8.5
23	***	31.7	28.1	26.1	***	***	21.0	130	11.5
24	***	31.3	28.2	26.9	***	***	34.5	160	8.7
25	***	33.2#	29.2	27.1#	***	***	0.0	150	8.3
26	***	32.9	29.1	26.4	***	***	6.5	060	8.3
27	***	33.6	29.4	26.8	***	***	0.0	150	5.6
28	***	34.2	30.0	26.9	***	***	0.0	150	5.9
29	***	34.0#	29.9	26.6#	***	***	0.0	280	6.8
30	***	34.7	30.2	26.6	***	***	0.0	270	8.2
31	***	35.1#	30.3	27.8#	***	***	0.0	270	8.9

*** unavailable

data incomplete

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

2003 © | [Important notices](#) | [Privacy policy](#)

Last revision date: <17 May 2017>

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

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*		
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
2-May-18	13:30	69.2	72.0	65.6	75	N
7-May-18	14:25	67.4	69.8	65.7	75	N
18-May-18	14:10	68.9	70.5	65.8	75	N
24-May-18	15:30	68.2	70.6	66.0	75	N
30-May-18	13:55	67.4	69.0	65.0	75	N
5-Jun-18	14:45	67.9	69.3	65.5	75	N
11-Jun-18	13:12	70.6	74.3	66.2	75	N
21-Jun-18	13:20	66.6	67.5	64.0	75	N
27-Jun-18	10:10	71.2	74.6	67.8	75	N
3-Jul-18	14:10	66.8	70.0	64.5	75	N
9-Jul-18	10:08	70.0	76.2	66.5	75	N
19-Jul-18	14:18	67.9	69.6	65.2	75	N
25-Jul-18	10:25	69.7	71.4	67.2	75	N
31-Jul-18	13:35	68.8	70.5	65.9	75	N
Minimum for May 18 to Jul 18		66.6	67.5	64.0		
Maximum for May 18 to Jul 18		71.2	76.2	67.8		
Average for May 18 to Jul 18		68.8	71.8	65.9		

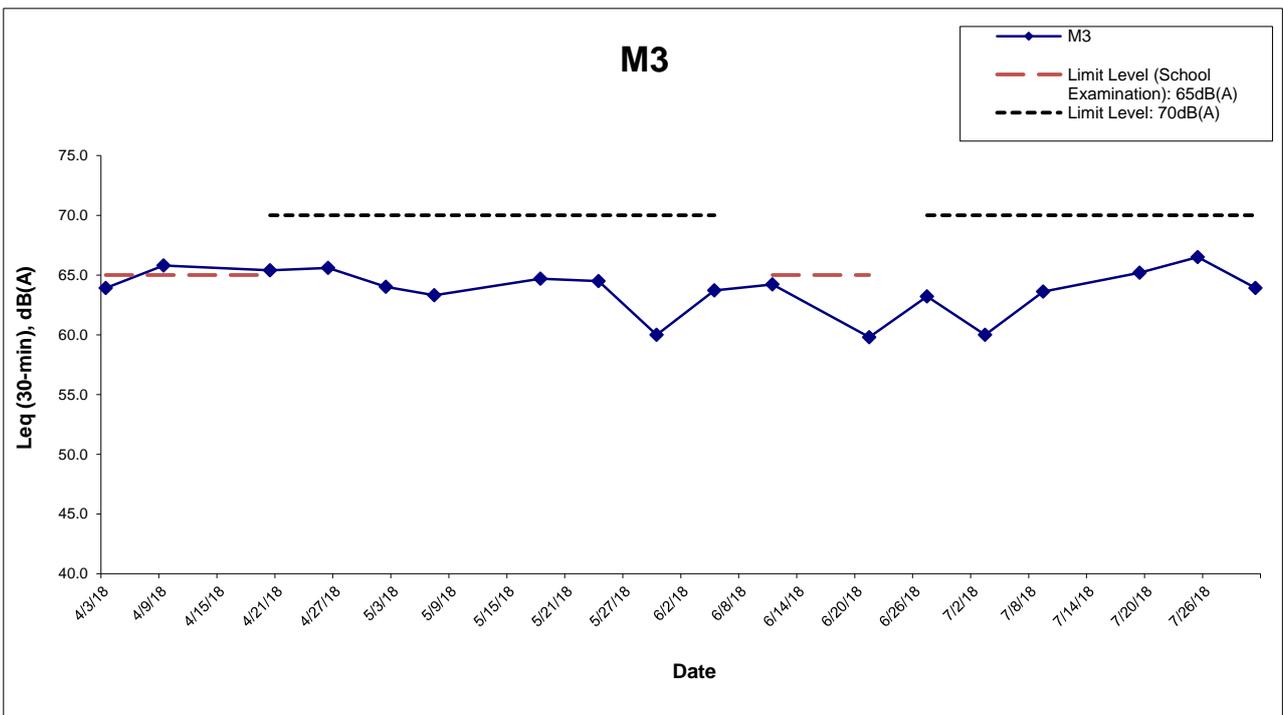
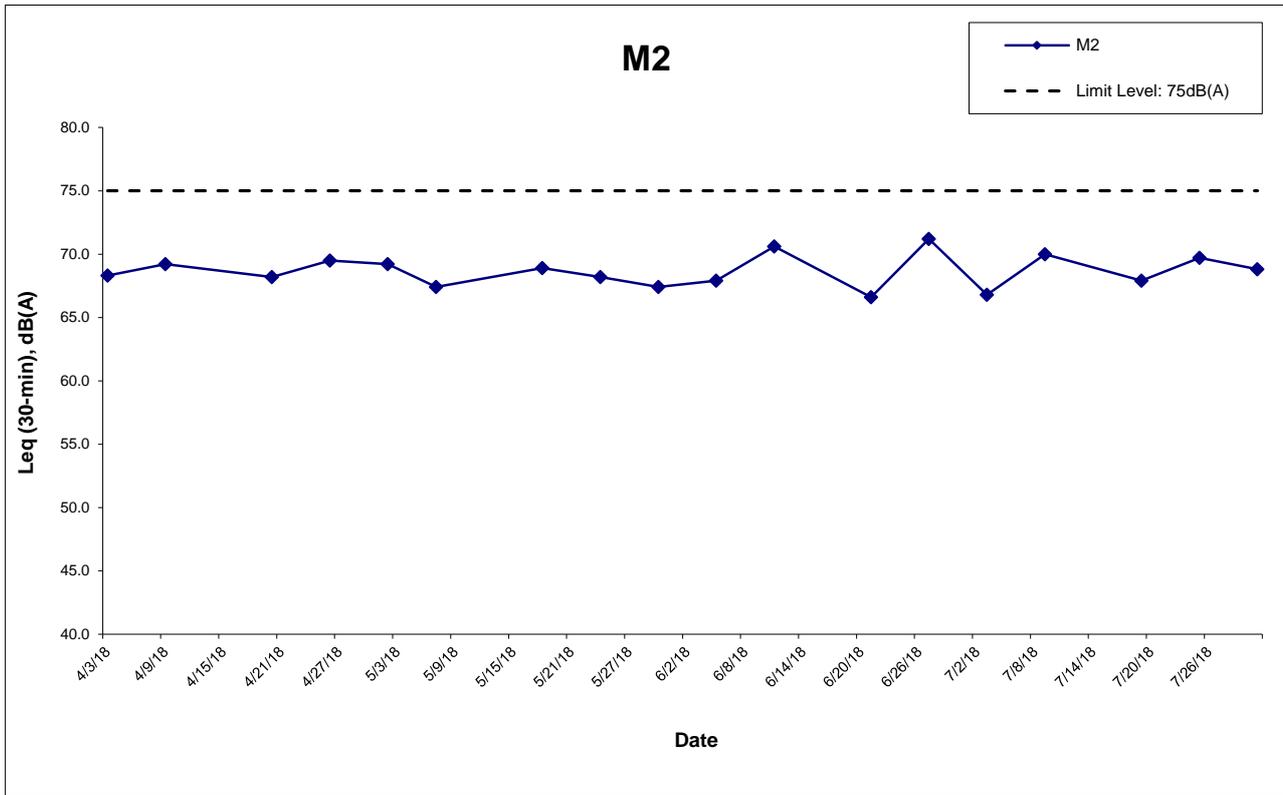
Location : M3 (Fanling Government Secondary School- Façade)

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		
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
2-May-18	14:19	64.0	67.3	60.5	70	N
7-May-18	13:35	63.3	66.1	60.8	70	N
18-May-18	13:15	64.7	65.8	62.9	70	N
24-May-18	14:25	64.5	66.1	62.2	70	N
30-May-18	13:05	60.0	61.0	57.0	70	N
5-Jun-18	13:40	63.7	65.6	61.8	70	N
11-Jun-18	14:10	64.2	66.9	60.6	65	N
21-Jun-18	13:00	59.8	60.5	56.5	65	N
27-Jun-18	10:30	63.2	66.7	59.6	70	N
3-Jul-18	13:30	60.0	61.0	56.5	70	N
9-Jul-18	9:45	63.6	67.2	57.8	70	N
19-Jul-18	15:05	65.2	66.8	62.6	70	N
25-Jul-18	11:28	66.5	68.9	64.3	70	N
31-Jul-18	14:30	63.9	65.6	61.5	70	N
Minimum for May 18 to Jul 18		59.8	60.5	56.5		
Maximum for May 18 to Jul 18		66.5	68.9	64.3		
Average for May 18 to Jul 18		63.7	65.9	61.0		

* +3dB(A) Façade effect correction included

^ Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period. Hong Kong Diploma of Secondary Education Examination (HKDSE) was held on 9 April 2018 at Fanling Government Secondary School (M3). Examination period of Fanling Government Secondary School (M3) in this reporting period is 8 - 26 June 2018.



Remark:

^ Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period. Hong Kong Diploma of Secondary Education Examination (HKDSE) was held on 9 April 2018 at Fanling Government Secondary School (M3). Examination period of Fanling Government Secondary School (M3) in this reporting period is 8 - 26 June 2018.

This Drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent.



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

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
Environmental complaints	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	0	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 & 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		

Date Received	Subject	Status	Total no. followed up by the ET this month	Total no. followed up by the ET since project commencement
<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>		

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

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

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