

Environmental Protection Department

Contract No. HY/2012/06

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

Quarterly EM&A Report for November 2020 to January 2021

[02/2021]

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T +852 2828 5757 F +852 2827 1823 mottmac.hk Environmental Monitoring and Audit (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) Environmental Permit No. EP-324/2008/E Quarterly EM&A Summary Report for November 2020 to January 2021 for the portion of Stage 2 works under Contract No. HY/2012/06

22 February 2021 By Fax (2805 5028) & Hand

We refer to the Quarterly EM&A Summary Report for November 2020 to January 2021 for the captioned Project received on 19 February 2021 submitted by ET via email. We confirm we have no comment.

Yours faithfully for MOTT MACDONALD HONG KONG LIMITED

Steven Tang

Independent Environmental Checker

C.C.

HyD AECOM Mr. Ricky Yeung Mr. Y W Fung By Fax (2714 5198) By Fax (3922 9797)

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AECOM Asia Co. Ltd. 1 February 2021

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 November 2020 and 31 January 2021. As informed by the Contractor, construction activities of Contract No. HY/12012/06 in the reporting period were as follows:

- Minor excavation for utility
- Backfilling
- Road resurfacing
- Landscape works

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.

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	Raymond Ho	6115 0818	2638 0950
IEC (Mott MacDonald Hong Kong Limited)	Independent Environmental Checker	Steven Tang	2828 5920	2827 1823
Contractor of [HY/2012/06]		Michael Tsang	9277 4956	2672 2501
(China State Construction Engineering (Hong Kong) Limited)	Environmental Officer	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:
 - Minor excavation for utility
 - Backfilling
 - Road resurfacing
 - Landscape works
- 1.3.2 The general layout plan of the Project site of Contract No. HY/2012/06 and Works Order Nos. CB128520-5 and CB128519-0 under 02/HY/2015 showing the contract areas are shown in Figure 1.1 and Figure 1.2 respectively.
- 1.3.3 The environmental mitigation measures implementation schedule are presented in Appendix C.

2 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

2.1 Monitoring Parameters

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

2.2 Monitoring Locations

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

2.3 Environmental Quality Performance Limits (Action/Limit Levels)

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

2.4 Environmental Mitigation Measures

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

3 AIR QUALITY MONITORING

- 3.1.1 In accordance with the updated EM&A Manual, baseline 1-hour and 24-hour TSP levels at one air quality monitoring station was established. Impact 1-hour TSP monitoring was conducted for at least three times every 6 days, while impact 24-hour TSP monitoring was carried out for at least once every 6 days.
- 3.1.2 The weather was mostly sunny, occasionally fine and 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 (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
AM2 (Fanling Government Secondary School)	60.1	51.4 – 71.1	317.8	500

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

Location	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
AM2 (Fanling Government Secondary School)	46.1	16.8 – 88.4	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))
	Leq (30 mins)	L _{eq (30 mins)}	L _{eq (30 mins)}
M2* (West Tai Wo)	65.7	56.1 – 67.8	75
M3 [#] (Fanling Government Secondary School)	62.7	59.8 – 65.8	65/70

^{*+3}dB(A) Façade correction included

- 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 The graphical plots of the trends of the monitoring results are provided in Appendix G.

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

5 ADVICE ON THE SOLID AND LIQUID WASTE MANAGEMENT STATUS

- 5.1.1 As advised by the Contractor of Contract No. HY/2012/06, 346 m³ of inert C&D material was generated in the reporting period. 28 m³ was broken concrete, 204 m³ was reused in the Contract, 48 m³ was reused in other Projects and 66 m³ was disposed as public fill to Tuen Mun 38. 520 m³ of general refuse was disposed of at NENT landfill. 0 kg of metals, 300 kg of paper and 0 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 guarter 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	66 m³	Tuen Mun 38
Broken concrete	28 m ³	Tuen Mun 38
C&D wastes disposed as general refuse	520 m ³	NENT Landfill
Paper/cardboard packaging	300 kg	Recycling Facilities
Plastics	0 kg	Recycling Facilities
Metals	0 kg	Recycling Facilities
C&D materials reused on site	204 m ³	Site Area
C&D materials reused in other projects	48 m³	Other projects
Chemical wastes	0 kg	Licensed Contractors

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.

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

- Excavation work carried without dust control measure was observed at SA346. The Contractor was advised to provide water spraying to the dusty work carried on site.
- The Contractor was reminded to cover the stockpile at SA340 with imperious sheeting.

Construction Noise Impact

Nil

Water Quality Impact

Nil

Chemical and Waste Management

- The Contractor was reminded to remove the minor construction waste at landscape area in SA340.
- Chemical waste containers placed at exposed earth was observed at SA340. The Contractor was advised to provide the drip tray for the chemical waste stored onsite.
- The Contractor was reminded to remove the general refuse at SA340.

Landscape and Visual Impact

Nil.

Miscellaneous

Nil

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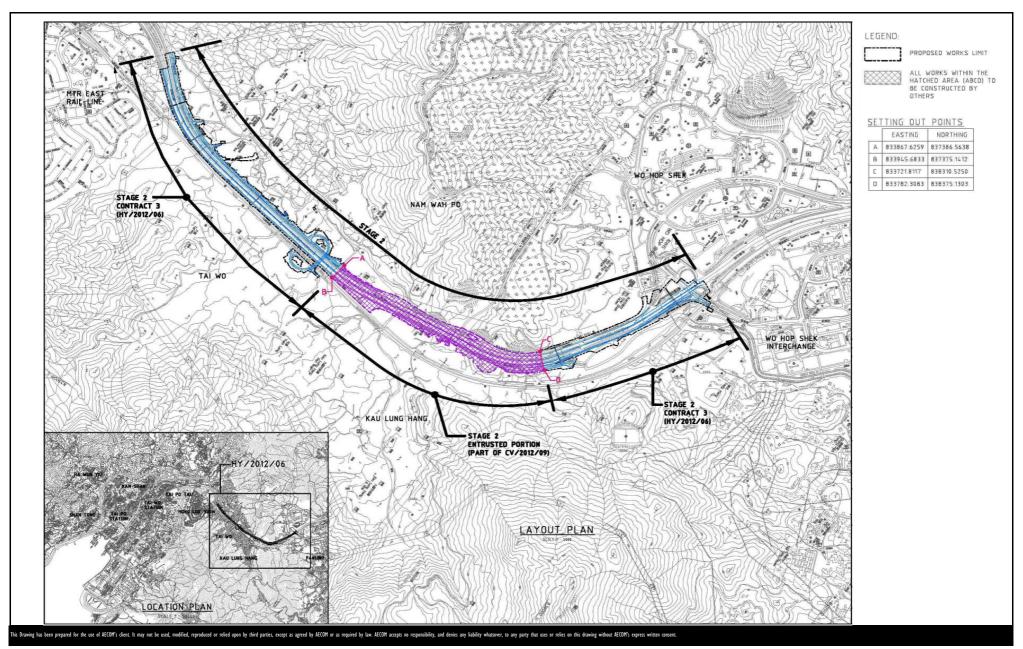
8.2 Recommendations

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

FIGURES



CONTRACT NO. HY/2012/06

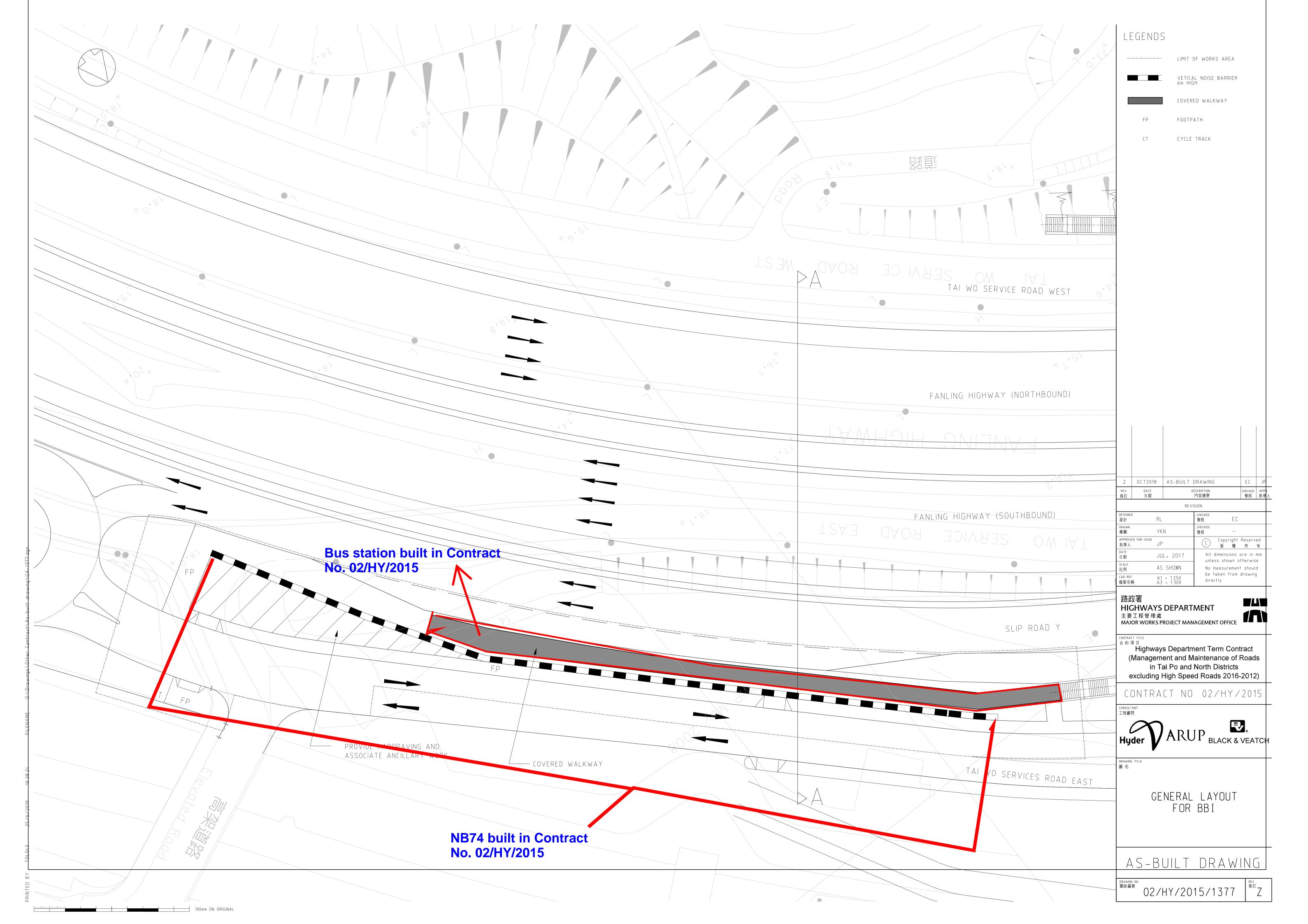
WIDENING OF FANLING HIGHWAY

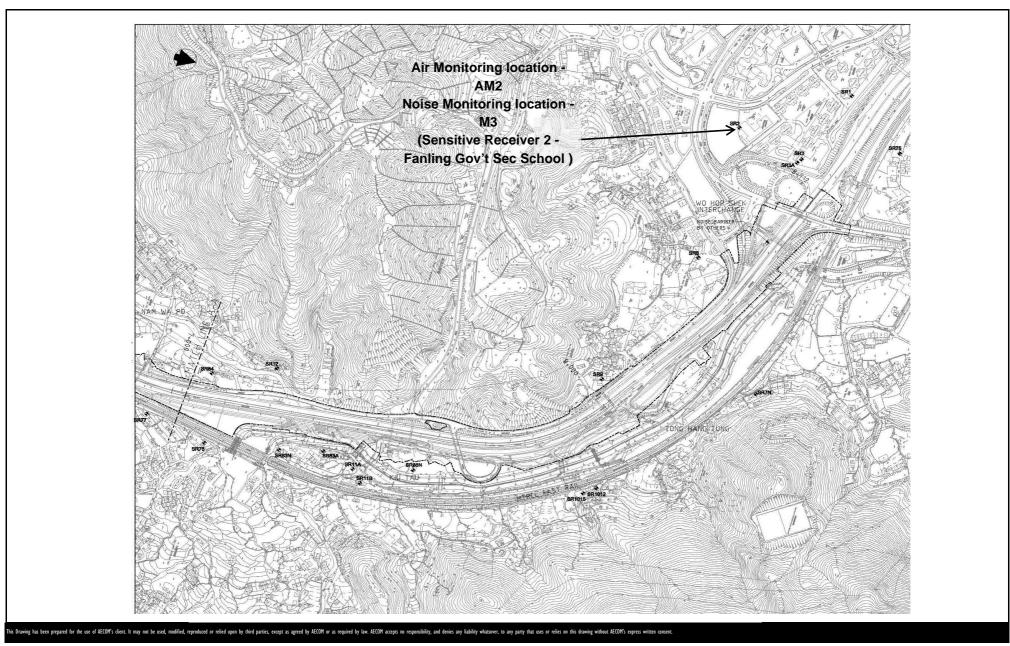
- TAI HANG TO WO HOP SHEK INTERCHANGE

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Layout Plan

Date: Dec 2013 Figure 1.1



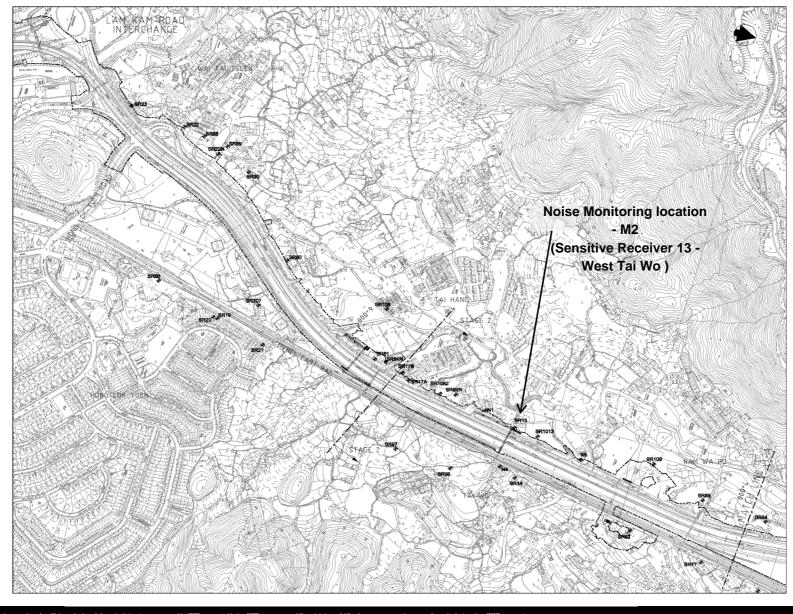


CONTRACT NO. HY/2012/06

WIDENING OF FANLING HIGHWAY

- TAI HANG TO WO HOP SHEK INTERCHANGE





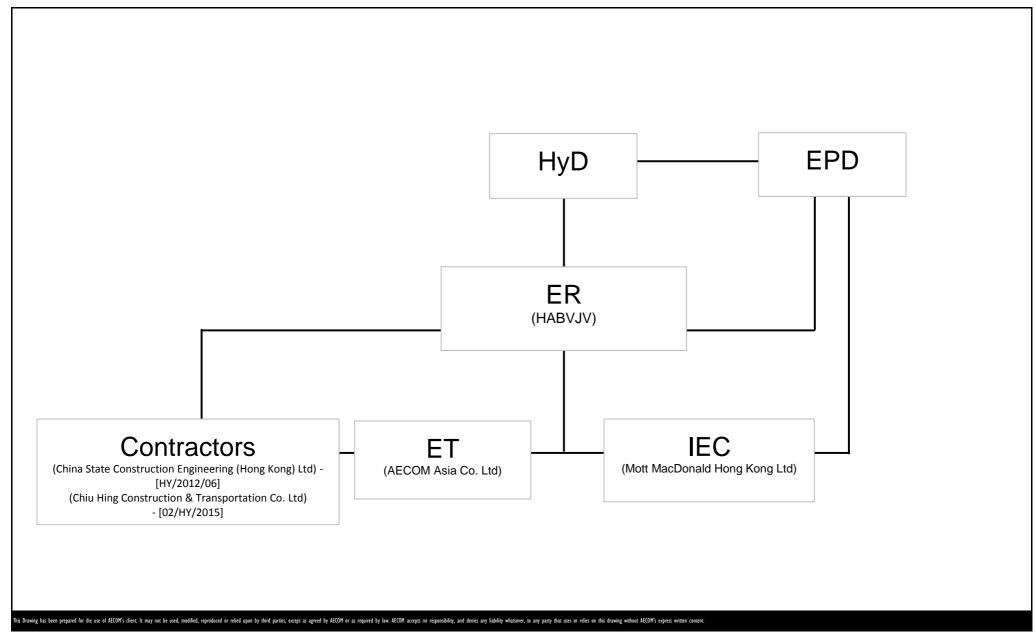
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CONTRACT NO. HY/2012/06 WIDENING OF FANLING HIGHWAY

- TAI HANG TO WO HOP SHEK INTERCHANGE



APPENDIX A PROJECT ORGANIZATION STRUCTURE



CONTRACT NO. HY/2012/06

WIDENING OF FANLING HIGHWAY

- TAI HANG TO WO HOP SHEK INTERCHANGE



Project No.: 60307376 Date: Apr 2017 Appendix A

APPENDIX B CONSTRUCTION PROGRAMMES

	Jpdate)(20-Nov-19)				Iling Program						Page 1 of 3 (22	<u>?-Nov-19)</u>
ctivity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float		2019		2020	
									Nov	Dec	Jan	Feb
ZONE 1 (Ch. 5	5640 to 5880)								1	[
Other Works									1	1		
VO189 - Irrigatio	on System in Zone 1 and Zone 2									 		
	tion System in Zone 1 and Zone 2									1 1 1		
IS0120	Irrigation system installation in Zone 1	0%	30	30	20-Nov-19*	24-Dec-19	252		·	i 		
	,	0,0			20 1101 10	2.500.0				1		
Establishment V	Vorks									I I		
Establishment	Works									1		
Z1.EW.1000	Establishment work Zone1	44.38%	203	365	11-Jun-19 A	09-Jun-20	0					
ZONE O /Oh . F	[000 to 0000)									1 1 1		
ZONE 2 (Ch. 5	5880 to 6930)						_			 		
General										1 1 1		
DRM Proposal										1		
DRM Proposal										1 1 1		
ADVZ20300	TWSR-W lane 2 construction	0%	30	30	27-Dec-19	03-Feb-20	222			—		
					1				1	1 1		V
Noise Barrier	Along Fanling Highway N/B									1 1 1		
NB43A (Ch.5880	0-6060)-FH N/B Side									 		
Noise Barrier \	Works									i ! !		
NB03340	Relocate Bus Shelter installation - VO86	0%	11	11	16-Dec-19*	30-Dec-19	249		; 			
									1	1 1		
Underground Uti										1 1 1		
Underground	· · · · · · · · · · · · · · · · · · ·								1	 		
UU0110	Towngas duct laying and associated work before backfill in Zone 1 & 2	92.72%	41	563	20-Apr-18A	30-Dec-19	187		1			
UU0130	TTA, duct laying and Road reinstatement by	0%	120	120	31-Dec-19	28-Apr-20	187	f				
	Towngas in Zone 1 & 2 (if required)		.=3						1	1		
Bridge Constr	uction								1	1 1 1		
New Tai Hang Fo	ootbridge								1	1 1 1		
General									1	1		
THBF0655	Tai Hang Footbridge Complete	0%	0	0		31-Dec-19	248			31-Dec-19	Tai Hang Footbridge	e Complete
									1	1		
	Highway S/B Side Section				05.5	0.7		<u></u>	 	<u>}</u> <u>}</u>		
THBF0640	Finishes Work	0%	34	30	25-Sep-19 A	31-Dec-19	248			ı	j	
THBF0645	Bridge Structure complete (THFB-TWSR-E side)	0%	0	0		31-Dec-19	248			31-Dec-19	Bridge Structure co	mplete (TH
THBF0800	ABWF work	0%	34	30	25 Can 40 A	21 Dec 10	248		 	! ! 		
IHBF0800	ABVVF WORK	0%	34	30	25-Sep-19 A	31-Dec-19	248		1	1 1		
Lift at TWSR-V	V Side									1 1 1		
L1800	THFB Completion Date	0%	0	0		31-Dec-19	248			31-Dec-19 4	THFB Completion [Date
Life of ELLINGO									1	I I		
Lift at FLHY S/			1		I a a a a a a a	1			. 	; }		
L1400	Roof cover for RC Platform	0%	33	30	25-Sep-19 A	30-Dec-19	249			1		
L1430	EMSD inspection & approval	60.71%	11	28	21-Oct-19A	30-Nov-19	292			<u> </u>		
L1440	E&M and Finishes work	0%	35	35	02-Dec-19	14-Jan-20	237		.]	! !		
21440	Laward Finshes work	0 78	33		02-Dec-19	14-3411-20	257	l				
L1460	Lift available - NF78	0%	0	0		14-Jan-20	237			14-	Jan-20 🔷 Liftavaila	ble - NF78
L1490	THFB Completion Date	0%	0	0		31-Dec-19	248		. 	31-Dec-19	THFB Completion [Date
									1	I I		
New Tai Wo Foo	tbridge									1 1 1		
General								l	}	1 1 1		l
TWFB1110	Tai Wo Footbridge Complete	0%	0	0		30-Dec-19	235			30-Dec-19	Tai Wo Footbridge C	omplete
Crossing Fanl	ing Highway Section								1	1 1		
TWFB1460	Finishes Work	80.36%	33	168	06-Apr-19A	30-Dec-19	235		ļ			
100 51400	T IIISTICS WORK	00.3070		100	00 Apr 13 A	30 DCC 13	200					
TWFB1470	Bridge Structure complete (TWFB-Cross fanling highway)	0%	0	0		30-Dec-19	235			30-Dec-19	Bridge Structure cor	nplete (TW
Lift at TWSR-V							_			1 1		
L1760	EMSD inspection & approval	71.43%	8	28	31-Oct-19A	27-Nov-19	322	1	. i	, +	ļ	
								<u> </u>		<u> </u>		
L1770	E&M and Finishes work	93.33%	10	150	23-Apr-19A	30-Nov-19	258		1	<u> </u>		
L1790	Lift available - NF116-Lift 1	0%	0	0		30-Nov-19	258	1	30-Nov-19	Lift available - NF1	16-Lift 1	
L1810	New Tai Wo footbridge completion	0%	0	0		30-Dec-19	249	 		30-Dec-10 4	New Tai Wo footbrid	ne comple
		0 70				20 200-19				30-Dec-19 \	. 1404 IAI VVO IOOIDIIO	ac combie!
Signalized Jur	nction								1	! !		l
New Tai Hang Fo	ootbridge								1	I I I		
	L Highway N/B Side Section								1 1 1	1 1 1		
THBF0630	Installation of Traffic Signal Poles at TWSR-W N/B	0%	21	21	18-Jan-20	13-Feb-20	192	1		[
	(Tai hang Junction)							<u></u>	<u> </u>	<u> </u>		
THBF0650	Ducting & Cable Draw Installation (Tai hang Junction)	79.39%	27	131	08-May-19 A	20-Dec-19	192					
THBF0660	Installation of Traffic Signal Poles at TWSR-W S/B	0%	21	21	21-Dec-19	17-Jan-20	192	1	! !			
THBF0670	(Tai hang Junction) E-prom ordering by EMSD (Tai hang Junction)	82.93%	56	328	20-Nov-18 A	14-Jan-20	302			i +		
THBF0680	Ducting & cable draw inspection by EMSD (Tai hang Junction)	0%	6	6	15-Jan-20	21-Jan-20	213		1	1 1 1		
THBF0690	Ducting & cable draw rectification (Tai hang	0%	12	12	22-Jan-20	06-Feb-20	213	1	i	ř		<u> </u>
THBF0692	Junction) PCCW cable installation & connection (Tai hang	0%	6	6	14-Feb-20	20-Feb-20	207		<u> </u>	L		
100000	Junction)			0	14-F 60-20	20-F C D-20	207			! !		.
THBF0694	EMSD cable & equipment installation (Tai hang Junction)	0%	21	21	14-Feb-20	09-Mar-20	192			1 1 1		
TWSR-West C	,								1	1 1		
									1	I I I		
Drainage & Road	a vvorks								1	1 1 1		
Ch 5880-6740									1	1 !		
Remaining Leve	,			Contra	ct No. HY/20	12/06					Date Revisi	
Actual Level of I	_ =a, can ccg	Nidening of	Fanling Hi	ghwav -	Tai Hang to	Wo Hop S	hek Int	erch	ange		7-Aug-17 WP Rev	
Actual Work	Program	J = 1	•	-	ing Program	-			-		3-Mar-18 WP Rev	
Remaining Wor	Table 1		J		J 9. will		•				7-Nov-18 WP Rev 5-Jan-19 WP Rev	
Critical Remaini	ing										I-Oct-19 WP Rev	
♦ Milestone										31	OU-19 INF KE	, 0
Crit. Milestone												
▼ Cit. Willestone												

Company Com	· -	Update)(20-Nov-19)	D 0/			Iling Program	1 minute	T-4-1				Page 2 of 3 (22	2-INOV-1
Company Comp	טו עו	Activity Name	Dur. % Complete	Rem. Duration		Start	Finish	Total Float					
Content March Content Conten	RDZ20140		0%	0	0		03-Feb-20	222		Nov	Dec		
Color Provision PTOSS Works	RDZ20170		0%	30	30	27-Dec-19	03-Feb-20	222		 	!		<u>_</u>
Color Provision PTOSS Works	Other Works									i 	1 1		
Control Cont											1		
Company Comp		n for TCSS Works								I	1 1 1		
According	TCSS2140	M10 for CCTV	0%	14	14	31-Dec-19	16-Jan-20	235			; 		
1985 198	TCSS2180		0%	16	16	20-Nov-19	07-Dec-19	266					1
1505000 150	TCSS2190	Pillar box, isolator & associated duct work - PL205	0%	16	16	20-Nov-19	07-Dec-19	266					
Mathematical Content	TCSS2200	Pillar box, isolator & associated duct work - PL206	0%	16	16	20-Nov-19	07-Dec-19	266					
Visible Projection System in 28-202 and 28-202 1975 12 1975	TCSS2270		0%	0	0		07-Dec-19	266		07-Dec-	19 ♦ Civil Provision	for TCSS works avai	ilable (Z
Visible Projection System in 28-202 and 28-202 1975 12 1975	VO184 - Irrigatio	on System in SA328 and SA329								 	1 1		
Voltage - Impatival System in Xone 1 and Zone 2 Voltage - Impatival System in Xone 1 and Zone 2 Voltage - Impatival System in Xone 2 and 2 cone 2 Voltage - Impatival System in Xone 2 cone 2 Voltag										 	1		
Visit Province Province Visit	IS0140	Irrigation system installation in SA328 and SA329	34.69%	32	49	04-Sep-19 A	28-Dec-19	250			!		Ī
March Major Propriet Michael March M	VO189 - Irrigation	on System in Zone 1 and Zone 2				'				 	1 1 1		
Landidage Schwart Landidage Work										! !			
Marchan Marc	IS0130	Irrigation system installation in Zone 2	4.08%	47	49	04-Sep-19 A	16-Jan-20	235					
Extisionment Works Fall Late in Tail Hang (VO126) Pail Late in Tail Hang (VO126) Pail Late in Tail Hang (VO126) Fall Late in Tail Hang (VO126)										1	1		
Each interment Works Each interment Works Each interment Works Each interment Works 22 in Law In Tai Hang (VO126) Pall L			00/	47	20	25 Can 10 A	16 Jan 20	225					
Part		·	0%	47	32	20-Sep-19 A	10-Jan-20	235			1		
Collation In Tail Hang (VO126) Fail Late in Tail Late in Tai											1		
Pail Lau in Tal Hang (VO126) Pail Lau in Tal			4.66%	348	365	02-Nov-19 A	01-Nov-20	0			i 		
PRILE IN THE HENDY (VO 126) Fee Last IN THE HENDY (VO 126) Fee	Dail au in Tai	Hang (VO126)											
Pail Lau Int Tal Hangy (70126) 1-0930											1		
Part Later Tail Hamp (NOT-Sig)											1		
MASSING Park Land Experimental MASSING 10 65 07 Cest 1904 56 Novel 221											i !		
P.O. Final Price State P.O. P			84.62%	10	65	07-Oct-19A	30-Nov-19	231)]		
Bridge Construction KLH Bridge - Deck 1 RLH Bridge - Deck 3 RLH Bride - Deck 3 RLH Bridge - Deck 3 RLH Bridge - Deck 3 RLH Bridge	PL01080	Material Order & delivery on site	0%	45	45	20-Nov-19	14-Jan-20	196					
Bridge Construction	PL01090	Finishes works	0%	41	41	15-Jan-20	04-Mar-20	196			! 		
Bridge Construction	Sandle Deefford	Zono 4 (ODZ4) (within Zono	0\/OL-07/	0.1- 0000						1	1		
March Mar		. ,	070	34	J-1	20-1407-13	31-200-13	240			1		
Military Deck Parking Deck Service		. ,	0%	34	34	20-Nov-19*	31-Dec-19	248					
KLH Bridge - East Ramp			0%	34	34	20-Nov-19	31-Dec-19	248			i L	 	
KLH Bridge - East Ramp	KLH Bridge - [Deck 3						<u> </u>		 	i 		
KLH Bridge Startcase \$1			0%	34	34	20-Nov-19	31-Dec-19	248				 	
KLH Bridge Startcase \$1	KLH Bridge - E	East Ramp		<u> </u>							1		
224 H.1/1500 St - Compand shelrord 75.61% 10 41 11-Sep-19 A 20-Nov-19 242 22 KH.1/1500 St - Compand shelrord 0 0% 18 18 18 02-Dec-19 21-Dec-19 242 22 KH.1/1500 St - Handral 0 0% 12 12 23-Dec-19 08-Jan-20 242 22 KH.1/1500 St - Lighting & finishes works 0 0% 12 12 23-Dec-19 08-Jan-20 242 Bridge Road Work 22 KH.2040 Landscape work of KH.1/18 71.95% 46 164 23-Apr-19A 15-Jan-20 28 Signalized Junction Kau Lung Hang Vehicular Bridge KL.H Bridge - West Ramp 22 KH.1/1032 Insulation of Tafe Signal Pose at IWSR-W N8 (KH.1/18) 0% 22 12 10 10-Dec-19 24 10			0%	34	34	20-Nov-19	31-Dec-19	248			1]	
22 KILH.1750 S1 - Corrugated steef roof 0% 18 18 02-Dec-19 242 22 KILH.1780 S1 - Handrall 0% 12 12 23-Dec-19 08-Jan-20 242 22 KILH.1780 S1 - Lighting & finishes works 0% 19 12 12 23-Dec-19 08-Jan-20 242 23 KILH.1780 S1 - Lighting & finishes works 0% 19 12 12 23-Dec-19 08-Jan-20 242 23 KILH.1780 S1 - Lighting & finishes works 0% 19 12 12 23-Dec-19 08-Jan-20 242 23 KILH.1780 S1 - Lighting & finishes works 0% 19 12 12 23-Dec-19 08-Jan-20 242 23 KILH.1780 S1 - Lighting & finishes works 0% 19 18 18 23-dpr-19A 15-Jan-20 236 35 Iggaalized Junction Kau Lung Hang Vehicular Bridge KLH Bridge - Weest Ramp 22 KILH.1021 Ducking & called deaveredisculor (KLHVB) 0% 22 12 12 19-Oet-19A 14-Dec-19 248 22 KILH.1022 PCCW cable installation & correction (KLHVB) 0% 22 12 11 19-Oet-19A 14-Dec-19 248 22 KILH.1022 PCCW cable installation (KLHVB) 0% 24 12 11 02-Jan-20 08-Jan-20 236 22 KILH.102 LBSD cable & equipment installation (KLHVB) 0% 0 0 0 28-Jan-20 227 23 Jan-20 27 28-Jan-20 7 Trait-Cispnal Installation Open (KLHVB) 0% 0 0 0 28-Jan-20 227 24 Jan-20 18 Jan-20 27 28-Jan-20 18 Jan-20 27 28-Jan-20 18 Jan-20 18 Jan-2	KLH Bridge - S	Staircase S1									1 1 1		
22XLI1.1760 S1 - Handrall 0% 12 12 23-Dec-19 06-Jan-20 242 22XLII.1770 S1 - Lighting & finishes works 0% 12 12 23-Dec-19 06-Jan-20 242 Bridge Road Work 22XLII.2040 Landscape work of KLIIVB 71.95% 46 164 23-Apr-19A 15-Jan-20 236 Signalized Junction Kau Lung Hang Vehicular Bridge KLI Bridge - West Ramp 22XLII.1032 Installation of Trafe Signar Pokes at TVSR-W NB 0% 34 21 14-MoV-19A 31-Dec-19 227 (MLIIVB) 22XLII.1032 Installation of Trafe Signar Pokes at TVSR-W NB 0% 22 12 19-Oct-19A 14-Dec-19 248 22XLII.1032 ENSD cable & equipment installation (KLIIVB) 0% 27 12 19-Oct-19A 14-Dec-19 248 22XLII.1172 Trafe Signar Installation (KLIIVB) 0% 21 21 12-Jan-20 08-Jan-20 236 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 28-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 28-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 28-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation complete (KLIIVB) 0% 0 0 0 38-Jan-20 227 32XLII.1172 Trafe Signar Installation CIII.1172 Trafe Signar Installation CIII.1172 Trafe Signar Installatio	Z2.KLH.1500	S1 - Roof steel frame installation	75.61%	10	41	11-Sep-19 A	30-Nov-19	242]		
22KILH1770 S1-Lighting & finishes works 0 % 12 12 23-Dec-19 08-Jan-20 242 Bridge Road Work 2ZKILH2800 Landscape work of KILHVB 71.95% 46 164 23-Apr-19A 15-Jan-20 236 Signalized Junction Kau Lung Hang Vehicular Bridge KLH Bridge - West Ramp 2ZKILH1082 Inselston of Tafe Signal Poles at TWSR W NB (KLHVB) 0% 24 21 14-Nov-19A 31-Dec-19 248 ZZKILH1082 Decrey a cable draw recificatin (KLHVB) 0% 22 12 19-DecH9A (14-Dec-19 248 ZZKILH1092 PCCW cable insulation a connection (KLHVB) 0% 6 1 0 02-Jan-20 08-Jan-20 227 ZZKILH1092 EMSD cable & equipment insulation (KLHVB) 0% 0 1 0 28-Jan-20 227 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 HKY1520 Vol1 - spec proyevement work 0% 45 45 20-Nov-19 14-Jan-20 237 ZONE 4 (Ch. 7925 to 8700) Bridge Construction New Wo Hop Shek Pedstrian & Cycle Bridge General WHS11420 North School Bridge Section WHS11420 Ramp Pinahes Work 9 1.37% 34 394 13-Jul-18 A 31-Dec-19 248 31-Dec-19 Wo Hop Shek Bridge Construction WHS1420 Ramp Pinahes Work 9 1.37% 34 394 13-Jul-18 A 31-Dec-19 248 31-Dec-19 Wo Hop Shek Bridge Construction	Z2.KLH.1750	S1 - Corrugated steel roof	0%	18	18	02-Dec-19	21-Dec-19	242					
Sridge Road Work	Z2.KLH.1760	S1 - Handrail	0%	12	12	23-Dec-19	08-Jan-20	242		 			
Signalized Junction Salura Salur	Z2.KLH.1770	S1 - Lighting & finishes works	0%	12	12	23-Dec-19	08-Jan-20	242					Ī
Signalized Junction											 		
Kau Lung Hang Vehicular Bridge KLH Bridge - West Ramp ZZKLH.1032 Installation of Table Signal Poles at TWSR-W N/B (VLHYB) 0% 34 21 14-Nov-19 A 31-Dec-19 248 227 228-Jan-20 237 227 228-Jan-20 237 227 228-Jan-20 237 227 228-Jan-20 237 228-Jan-20 237 228-Jan-20 238-Jan-20 237 228-Jan-20 238-Jan-20 227 228-Jan-20 238-Jan-20 227 228-Jan-20 227 228-Jan-2	Z2.KLH.2040	Landscape work of KLHVB	71.95%	46	164	23-Apr-19A	15-Jan-20	236			1		L
KLH Bridge - West Ramp													
ZZKLH.1032 Installation of Trafic Signal Poles at TWSR-W NB 0% 34 21 14-Nov-19 A 31-Dec-19 227													
(KLHVB) 2ZKLH.1082 Ducting & cable drawrectification (KLHVB) 0% 22 12 19-Oct-19A 14-Dec-19 248 ZZKLH.1092 PCCW cable installation & connection (KLHVB) 0% 21 21 02-Jan-20 08-Jan-20 236 ZZKLH.1112 Traffic Signal Installation complete (KLHVB) 0% 21 21 02-Jan-20 28-Jan-20 227 ZZKLH.1112 Traffic Signal Installation complete (KLHVB) 0% 0 0 0 28-Jan-20 227 Vorth 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 HKY1520 V011 -slope improvement work 0% 45 45 20-Nov-19 14-Jan-20 237 ZONE 4 (Ch. 7925 to 8700) Bridge Construction New Wo Hop Shek Pedstrian & Cycle Bridge General WHS110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 ◆ Wo Hop Shek Bridse Complete TWSR-West/ FL. Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18.A 31-Dec-19 248			00/	2/	21	14-Nov-19 ^	31-Dec-19	227			! ! 	 	ļ
Z2KLH.1092 PCCW cable installation & connection (KLHVB) 0% 6 6 02-Jan-20 08-Jan-20 236 Z2KLH.1102 EMSD cable & equipment installation (KLHVB) 0% 21 21 02-Jan-20 28-Jan-20 227 Z2KLH.1112 Traffc Signal hstallation complete (NLHVB) 0% 0 0 28-Jan-20 227 28-Jan-20 ▼		(KLHVB)									 		
Z2KLH.1102 EMSD cable & equipment installation (KLHVB) 0% 21 21 02-Jan-20 28-Jan-20 227 28-Jan-20 ◆ Traffic 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 HKY1520 V011 - slope improvement work 0% 45 45 20-Nov-19 14-Jan-20 237 ZONE 4 (Ch. 7925 to 8700) Bridge Construction New Wo Hop Shek Pedstrian & Cycle Bridge General WHS1110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 Wo Hop Shek Bridge Complete TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248 31-Dec-19 48		, , , ,									1		ļ
Z2KLH.1112 Traffic Signal histalistion complete (KLHVB) 0% 0 0 28-Jan-20 227 28-Jan-20 ▼ Traffic Signal histalistion complete (KLHVB) 0% 0 0 28-Jan-20 227 28-Jan-20 ▼ Traffic Signal histalistion complete (KLHVB) 0% 0 0 28-Jan-20 227 28-Jan-20 ▼ Traffic Signal histalistion complete (KLHVB) 0% 0 0 0 0 0 0 0 0		· · ·											ļ
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 HKY1520 V011-slope improvement work 0% 45 45 20-Nov-19 14-Jan-20 237 CONE 4 (Ch. 7925 to 8700) Bridge Construction New Wo Hop Shek Pedstrian & Cycle Bridge General WHS1110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 Wo Hop Shek Bridge Com TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248		· · · · · · · · · · · · · · · · · · ·				u∠-Jan-20					 		<u></u>
Bridge Construction							28-Jan-20	227			1	28-Jan-20 ◆	Traffic
New Ho Ka Yuen Footbridge TWSR-West/ FL Highway N/B Side Section HKY1520 V011 - slope improvement work 0% 45 45 20-Nov-19 14-Jan-20 237 ZONE 4 (Ch. 7925 to 8700) Bridge Construction New Wo Hop Shek Pedstrian & Cycle Bridge General WHS1110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 Wo Hop Shek Bridge Com TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248) (Ch. 79	25 to 8100	0)					 	: ! !		
TWSR-West/ FL Highway N/B Side Section HKY1520 V011 - slope improvement work 0% 45 45 20-Nov-19 14-Jan-20 237 ZONE 4 (Ch. 7925 to 8700) Bridge Construction New Wo Hop Shek Pedstrian & Cycle Bridge General WHS1110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 ◆ Wo Hop Shek Bridge Com TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248										1 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
HKY1520 V011 - slope improvement work 0% 45 45 20-Nov-19 14-Jan-20 237 ZONE 4 (Ch. 7925 to 8700) Bridge Construction New Wo Hop Shek Pedstrian & Cycle Bridge General WHS1110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 ◆ Wo Hop Shek Bridge Com TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248										 	1 1 1		
Construction	<u></u>		Ω%-	AF.	45	20-Nov-19	14-Jan-20	237				<u> </u>	
Bridge Construction New Wo Hop Shek Pedstrian & Cycle Bridge General WHS1110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 Wo Hop Shek Bridge Com TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248		· ·	070	70	.0		. 50 20						
New Wo Hop Shek Pedstrian & Cycle Bridge General WHS1110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 Wo Hop Shek Bridge Complete TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248		<u> </u>											
General WHS1110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 Wo Hop Shek Bridge Community TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248										 	1 1 1		
WHS1110 Wo Hop Shek Bridge Complete 0% 0 0 31-Dec-19 248 31-Dec-19 Wo Hop Shek Bridge Com TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248		hole Dodotrion 9 Cycle Duide							I		1		
TWSR-West/ FL Highway N/B Side Section WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248	New Wo Hop Sh	hek Pedstrian & Cycle Bridge								1	1		
WHS1420 Ramp Finishes Work 91.37% 34 394 13-Jul-18 A 31-Dec-19 248	New Wo Hop Sh General		0%	0	0		31-Dec-19	248			31-Dec-19	♦ Wo Hop Shek Bride	ge Com
WHS1430 Bridge Structure complete (WHS-TWSR-W side) 0% 0 0 31-Dec-19 248 31-Dec-19 ◆ Bridge Structure complete	New Wo Hop Sh General WHS1110	Wo Hop Shek Bridge Complete	0%	0	0		31-Dec-19	248			31-Dec-19 ◀	▶ Wo Hop Shek Brid	ge Com
, ,	New Wo Hop Sh General WHS1110 TWSR-West/ F	Wo Hop Shek Bridge Complete FL Highway N/B Side Section				13-Jul-18 A					31-Dec-19 4	● Wo Hop Shek Bride	ge Com

VO152 - Addition		Complete		Duration			Float		2019		2020	Fe
V 0 152 - Additio	not Detaining Wall in Zone 4 Near at 1	·	Trook and I		at MUIC Dried				Nov	Dec	Jan	1 '
Cycle Track	nal Retaining Wall in Zone 4 Near at	Grade Cycle	Track and I	-ootpatn	at WHS Brid	ge			, 	1 1 1		
WHS1560	Retaining Wall construction	0%	34	24	14-Nov-19 A	31-Dec-19	101					
WHS1570	Concrete Footing for railing	0%	10	10	02-Jan-20	13-Jan-20	101			 		
WHS1580	Concrete Footing for Expressway boundary fence	0%	10	10	14-Jan-20	24-Jan-20	101		! !			
WHS1590	300 U-channel	0%	12	12	28-Jan-20	10-Feb-20	149					
									; ; ;			
WHS1600	backfill	0%	3	3	11-Feb-20	13-Feb-20	149		! !			
WHS1610	Cycle Track sub-base & wearing course	0%	6	6	14-Feb-20	20-Feb-20	149		! ! ! !			
Footpath									! !			
WHS2150	Concrete Footing for railing	0%	15	15	28-Jan-20	13-Feb-20	101		1 			
WHS2160	Concrete Footing for Expressway boundary fence	0%	15	15	14-Feb-20	02-Mar-20	101		 			
WSR-West C	onstruction								1	1		
Drainage & Roa	d Works								1 1 1	1 1 1 1 1		
	L Highway N/B Side Section								! ! !	 		
RDZ41180	TWSR -W Road Works rectification	0%	18	18	20-Nov-19	10-Dec-19	264					
Other Works									1 1 1	1 1 1 1 1		
TCSS Works									1	1		
	struction Works											
TCSS0180	Sign Gantry Factory production - FVMS1 (Deleted)	0%	0	0	20-Nov-19	20-Nov-19	282			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	n for TCSS Works											ļ <u>.</u>
TCSS2150	M12 for CCTV	0%	14	14	02-Jan-20*	17-Jan-20	234		! !			
TCSS2160	P51 for VSLS	0%	14	14	02-Dec-19*	17-Dec-19	168		·			
TCSS2170	P52 for VSLS	0%	14	14	02-Dec-19*	17-Dec-19	168					
TCSS2210	Pillar box, isolator & associated duct work - PL207 for G34 & G35	0%	30	30	18-Dec-19*	24-Jan-20	168					
TCSS2230	Pillar box, isolator & associated duct work - PL251	0%	30	30	28-Jan-20	02-Mar-20	168					
DS50	for G51				<u> </u>		<u> </u>		1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
TCSS1850	Sign Gantry Erection - DS50 (Z4) (Deleted by	0%	0	0	20-Nov-19	20-Nov-19	282		 			
	Verbal instruction, VO is pending)								 	1 1 1		
TCSS Hub Roo	om .					,	248	<u>-</u> -	! !			
TCSS Hub Roo	TCSS Hub Room BS provision	24.44%	34	45	29-Oct-19A	31-Dec-19	240	_				
TCSS1920	TCSS Hub Room BS provision		34	45	29-Oct-19 A	31-Dec-19	240		1		_	
тсss1920 VO190 - Irrigatio	TCSS Hub Room BS provision on System near Ho Ka Yuen Footbrid	ge	34	45	29-Oct-19 A	31-Dec-19	240					
тсss1920 VO190 - Irrigatio	TCSS Hub Room BS provision on System near Ho Ka Yuen Footbridge tion System near Ho Ka Yuen Foot Irrigation system installation near Ho Ka Yuen	ge	34	23	29-Oct-19 A 04-Sep-19 A	31-Dec-19 26-Nov-19	276					
TCSS1920 VO190 - Irrigatio VO190 - Irrigat	TCSS Hub Room BS provision on System near Ho Ka Yuen Footbridge tion System near Ho Ka Yuen Footbridge	ge <mark>bridge</mark>										
TCSS1920 VO190 - Irrigation VO190 - Irrigation IS160 Landscape Soft	TCSS Hub Room BS provision on System near Ho Ka Yuen Footbridge tion System near Ho Ka Yuen Foot Irrigation system installation near Ho Ka Yuen Footbridge work	ge <mark>bridge</mark>							•			
TCSS1920 VO190 - Irrigatio VO190 - Irrigat	TCSS Hub Room BS provision on System near Ho Ka Yuen Footbridge tion System near Ho Ka Yuen Foot Irrigation system installation near Ho Ka Yuen Footbridge work	ge <mark>bridge</mark>										
TCSS1920 VO190 - Irrigation VO190 - Irrigation IS160 Landscape Softwood Landscape Wood Z4.LW.1000	TCSS Hub Room BS provision On System near Ho Ka Yuen Footbridge Irrigation system installation near Ho Ka Yuen Footbridge work Orks Landscape soft work Zone4	ge bridge 73.91%	6	23	04-Sep-19 A	26-Nov-19	276					
TCSS1920 VO190 - Irrigation VO190 - Irrigation IS160 Landscape Softwood Landscape Wood Z4.LW.1000	TCSS Hub Room BS provision on System near Ho Ka Yuen Footbridge Irrigation system installation near Ho Ka Yuen Footbridge work orks Landscape soft work Zone4	ge bridge 73.91%	6	23	04-Sep-19 A	26-Nov-19	276					
TCSS1920 VO190 - Irrigation VO190 - Irrigation IS160 Landscape Softwood Z4.LW.1000 Establishment V	TCSS Hub Room BS provision on System near Ho Ka Yuen Footbridge Irrigation system installation near Ho Ka Yuen Footbridge work orks Landscape soft work Zone4	ge bridge 73.91%	6	23	04-Sep-19 A	26-Nov-19	276					
VO190 - Irrigation VO190 - Irrigation VO190 - Irrigation IS160 Landscape Softwood Z4.LW.1000 Establishment V Establishment Z3.EW.1000	TCSS Hub Room BS provision on System near Ho Ka Yuen Footbridge Irrigation system installation near Ho Ka Yuen Footbridge work orks Landscape soft work Zone4 Vorks t Works	ge bridge 73.91% 73.91%	6	23	04-Sep-19 A	26-Nov-19	276					
TCSS1920 VO190 - Irrigation VO190 - Irrigation IS160 Landscape Softwood Z4.LW.1000 Establishment V Establishment Z3.EW.1000 VO Relocation of	TCSS Hub Room BS provision on System near Ho Ka Yuen Footbridge tion System near Ho Ka Yuen Footbridge Irrigation system installation near Ho Ka Yuen Footbridge work orks Landscape soft work Zone4 Vorks t Works Establishment work Zone4	ge bridge 73.91% 73.91%	6 6 317	23	04-Sep-19 A	26-Nov-19	276					
TCSS1920 VO190 - Irrigation VO190 - Irrigation IS160 Landscape Softwood Z4.LW.1000 Establishment V Establishment Z3.EW.1000 VO Relocation of	TCSS Hub Room BS provision On System near Ho Ka Yuen Footbridge Irrigation system installation near Ho Ka Yuen Footbridge work Orks Landscape soft work Zone4 Works Establishment work Zone4 of Traffic Sign at Pak Wo Road & Joo	ge bridge 73.91% 73.91%	6 6 317	23	04-Sep-19 A	26-Nov-19	276					
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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				
			Nov 20	Dec 20	Jan 21		
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		
	All stockpiles of excavated materials or spoil of more than 50m³ 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		
	All spraying of materials and surfaces shall avoid excessive water usage.		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		
	Materials shall be dampened, if necessary, before transportation.		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		
	Vehicle washing facilities shall be provided to minimize the quantity of material deposited on public roads.		V	V	V		

Noise - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures Ti	iming	Implementation Status			
		_	Nov 20	Dec 20	Jan 21	
Noise during construction	Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant.	uring construction	V	V	V	
	Reduce the number of equipment and their percentage on-time.		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*	
	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*	
	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*	
	2.5 m high temporary noise barrier along Tai Wo Service Road West (Figure 2c of the Environmental Permit).		V*	V*	V*	
	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*	
	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*	
	7 m high temporary noise barrier near Kiu Tau Footbridge work area (Figure 2d of the Environmental Permit).		V*	V*	V*	
	2.5 m high temporary noise barrier near river diversion work area (Figure 2e of the Environmental Permit).		V*	V*	V*	
Noise during operation	Noise Barriers of the Environmental Permit no	Review of required oise barrier layout uring the design tage	V*	V*	V*	

^{*} Permanent noise barriers have been erected.

Water Quality - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Impleme	Implementation Status			
			Nov 20	Dec 20	Jan 21		
Water quality during construction	 Demolition and reconstruction of bridges 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	V		
	 Road Widening Works, Earthworks and Culvert Extension Works Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul sewers, after the removal of settable 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	V		

Waste - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status			
			Nov 20	Dec 20	Jan 21	
Waste management during construction	General Waste - 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	
	Vegetation from site clearance - 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	
	Demolition Wastes - Segregation of materials to facilitate disposal Appropriate stockpile management.	-	V	V	V	
	 Excavated Materials 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	
	 Construction Wastes 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	@	
	Bentonite Slurries - Bentonite slurries should be reused as far as possible. - Disposal in accordance with Practice Note For Professional Persons ProPECC PN 1/94.		#	#	#	

Chemical Wastes	V	@	V
- 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.			
Municipal Wastes	V	@	V
 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. 			

Ecology – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status				
			Nov 20	Dec 20	Jan 21		
Ecology during construction	 Accurate Delineation of Works Area 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	\	>		
	Vegetation Clearance 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		
	 Dust generation 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: 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	V	V		
	 Surface Run-off In general, mitigation measures shall be in accordance with ProPECC PN1/94 on 'Construction Site Drainage'. Key measures include: 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				
		_	Nov 20	Dec 20	Jan 21		
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	\	>		
	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 visua 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		
	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		
	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.		#	#	#		
	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.		V	V	V		

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/m3	500 μg/m3

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

Location	Action Level	Limit Level
AM2	200.7 μg/m3	260 μg/m3

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

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

^{*}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

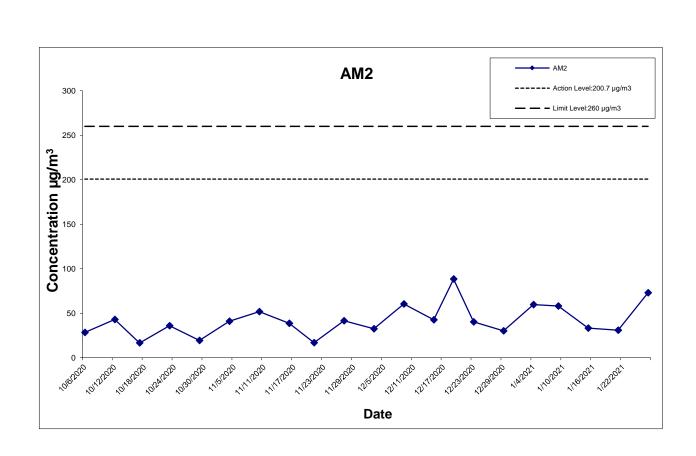
24-hour TSP Monitoring Results at Station AM2 (Fanling Government Secondary School)

Date	Weather	Air	Atmospheric	Flow Rate	e (m³/min.)	Av. flow	Total vol.	Filter W	/eight (g)	Particulate	Elapse	e Time	Sampling	Conc.	Actino Level	Limit Level
	Condition	Temp. (°C	Pressure(hPa)	Initial	Final	(m³/min)	(m³)	Initial	Final	weight(g)	Initial	Final	Time(hrs.)	(µg/m³)	(µg/m ³)	(µg/m ³)
6-Oct-20	Sunny	25.9	1013.8	1.331	1.331	1.331	1916.6	2.6890	2.7432	0.0542	15070.02	15094.02	24.00	28.3	200.7	260
12-Oct-20	Sunny	28.0	1008.7	1.331	1.331	1.331	1916.6	2.8679	2.9501	0.0822	15094.02	15118.02	24.00	42.9	200.7	260
17-Oct-20	Fine	25.6	1014.9	1.331	1.331	1.331	1916.6	2.7248	2.7567	0.0319	15118.02	15142.02	24.00	16.6	200.7	260
23-Oct-20	Sunny	23.5	1011.4	1.331	1.331	1.331	1916.6	2.7223	2.7912	0.0689	15142.02	15166.02	24.00	35.9	200.7	260
29-Oct-20	Fine	24.7	1017.3	1.331	1.331	1.331	1916.6	2.7003	2.7373	0.0370	15166.02	15190.02	24.00	19.3	200.7	260
4-Nov-20	Sunny	23.0	1017.5	1.331	1.331	1.331	1916.6	2.6849	2.7635	0.0786	15190.02	15214.02	24.00	41.0	200.7	260
10-Nov-20	Cloudy	22.9	1019.3	1.331	1.331	1.331	1916.6	2.6725	2.7716	0.0991	15214.02	15238.02	24.00	51.7	200.7	260
16-Nov-20	Sunny	24.0	1017.9	1.331	1.331	1.331	1916.6	2.6956	2.7693	0.0737	15238.02	15262.02	24.00	38.5	200.7	260
21-Nov-20	Cloudy	23.5	1014.8	1.331	1.331	1.331	1916.6	2.6644	2.6966	0.0322	15262.02	15286.02	24.00	16.8	200.7	260
27-Nov-20	Cloudy	22.8	1020.6	1.331	1.331	1.331	1916.6	2.6788	2.7581	0.0793	15286.02	15310.02	24.00	41.4	200.7	260
3-Dec-20	Sunny	17.4	1021.0	1.331	1.331	1.331	1916.6	2.7050	2.7672	0.0622	15310.02	15334.02	24.00	32.5	200.7	260
9-Dec-20	Sunny	19.8	1017.7	1.331	1.331	1.331	1916.6	2.6753	2.7910	0.1157	15334.02	15358.02	24.00	60.4	200.7	260
15-Dec-20	Cloudy	15.4	1022.2	1.331	1.331	1.331	1916.6	2.6960	2.7776	0.0816	15358.02	15382.02	24.00	42.6	200.7	260
19-Dec-20	Sunny	15.0	1023.4	1.331	1.331	1.331	1916.6	2.6927	2.8621	0.1694	15382.02	15406.02	24.00	88.4	200.7	260
23-Dec-20	Fine	18.4	1016.9	1.331	1.331	1.331	1916.6	2.6775	2.7546	0.0771	15406.02	15430.02	24.00	40.2	200.7	260
29-Dec-20	Sunny	21.0	1014.8	1.331	1.331	1.331	1916.6	2.7023	2.7600	0.0577	15430.02	15454.02	24.0	30.1	200.7	260
4-Jan-21	Sunny	18.3	1021.0	1.331	1.331	1.331	1916.6	2.6976	2.8118	0.1142	15454.02	15478.02	24.00	59.6	200.7	260
9-Jan-21	Fine	10.7	1024.5	1.331	1.331	1.331	1916.6	2.6758	2.7871	0.1113	15478.02	15502.02	24.00	58.1	200.7	260
15-Jan-21	Sunny	17.3	1016.1	1.331	1.331	1.331	1916.6	2.6724	2.7361	0.0637	15502.02	15526.02	24.00	33.2	200.7	260
21-Jan-21	Sunny	20.1	1015.6	1.331	1.331	1.331	1916.6	2.7133	2.7724	0.0591	15526.02	15550.02	24.00	30.8	200.7	260
27-Jan-21	Sunny	18.9	1017.8	1.331	1.331	1.331	1916.6	2.6549	2.7948	0.1399	15550.02	15574.02	24.00	73.0	200.7	260

Average for the reporting quarter (Nov 20 to Jan21) 46.1

Minimum for the reporting quarter (Nov 20 to Jan21) 16.8

Maximum for the reporting quarter (Nov 20 to Jan21) 88.4



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

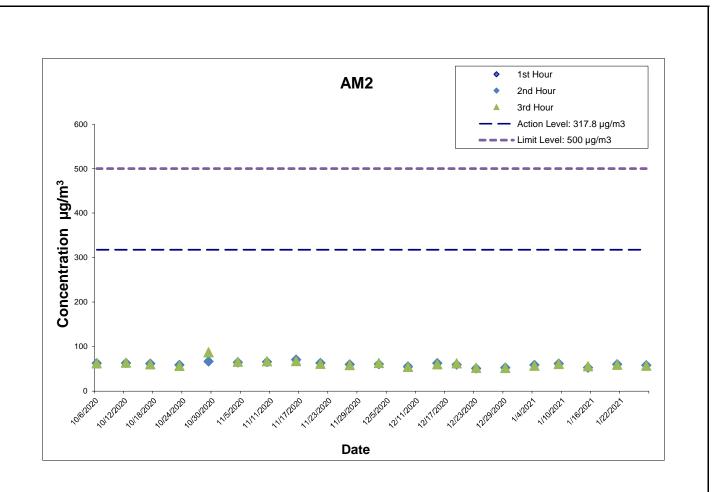


Project No.: 60307376 Date: Feb-21 Appendix E

Impact Air Quality Monitoring Results

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

	Start	1st Hour	2nd Hour	3rd Hour	
	Time	Conc.	Conc.	Conc.	
Date	(hh:mm)	(µg/m³)	(µg/m³)	(µg/m³)	
6-Oct-20	13:55	63.7	63.0	62.7	
12-Oct-20	13:20	64.3	63.5	64.1	
17-Oct-20	9:45	63.5	62.0	60.6	
23-Oct-20	13:05	58.8	59.1	57.2	
29-Oct-20	13:10	68.1	67.2	87.6	
4-Nov-20	13:15	62.6	65.1	66.3	
10-Nov-20	14:30	63.0	66.2	67.5	
16-Nov-20	13:05	68.2	71.1	67.9	
21-Nov-20	10:45	62.0	63.6	61.7	
27-Nov-20	13:05	58.5	60.2	59.0	
3-Dec-20	10:20	62.7	61.0	63.5	
9-Dec-20	14:45	58.3	55.4	54.9	
15-Dec-20	11:45	62.5	63.3	60.6	
19-Dec-20	10:35	61.1	59.8	62.8	
23-Dec-20	11:30	53.3	51.4	52.8	
29-Dec-20	11:30	53.3	53.1	52.4	
4-Jan-21	14:00	58.5	59.1	57.4	
9-Jan-21	10:15	63.3	61.9	61.4	
15-Jan-21	10:10	54.4	53.1	56.2	
21-Jan-21	14:45	58.8	60.6	59.4	
27-Jan-21	10:00	58.2	58.6	57.3	
Average for th	ne reporting of	quarter (Nov 2	0 to Jan21)	60.1	
Minimum for t	Minimum for the reporting quarter (Nov 20 to Jan21)				
Maximum for	the reporting	quarter (Nov	20 to Jan21)	71.1	



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



Project No.: 60307376 Date: Feb-21 Appendix E

APPENDIX F
METEOROLOGICAL DATA FOR THE
REPORTING PERIOD

12/7/2020 Daily Extract



மி > Climate > Climate Information Service > Daily Extract

Daily Extract

Daily Extract of Meteorological Observations , November 2020

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Month 11

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				Hong Kong C	bservatory			
Day	Mean Pressure		Temperat Mean		Mean Dew	Mean Relative	Mean Amount of	Total Rainfall
	(hPa)	Absolute Daily Max (deg. C)	(deg. C)	Absolute Daily Min (deg. C)	Point (deg. C)	Humidity (%)	Cloud (%)	(mm)
01	1015.9	27.8	24.0	21.9	18.5	72	31	0.0
02	1015.2	29.5	25.3	22.6	17.9	64	51	0.0
03	1017.0	26.4	23.6	21.5	17.6	69	70	0.1
04	1017.5	26.1	23.0	21.2	17.0	69	59	0.4
05	1017.7	25.6	22.9	21.2	16.8	69	26	0.0
06	1016.0	28.6	24.7	21.3	18.2	68	28	0.0
07	1015.5	30.2	26.8	23.6	17.2	56	33	0.0
08	1017.2	27.5	25.7	23.9	17.0	59	81	0.0
09	1017.9	26.1	23.7	22.1	15.2	60	75	Trace
10	1019.3	24.5	22.9	21.6	14.7	61	87	0.0
11	1020.8	25.3	22.5	21.2	16.2	68	44	0.0
12	1018.9	25.9	22.2	19.9	15.2	66	17	0.0
13	1016.8	25.7	22.9	21.0	14.9	62	71	0.4
14	1017.5	25.0	23.3	22.5	16.3	65	88	0.0
15	1019.2	24.7	23.0	21.7	18.6	77	84	Trace
16	1017.9	27.7	24.0	21.9	19.2	75	34	0.0
17	1015.4	26.4	24.2	22.7	20.0	78	79	Trace
18	1013.1	28.5	24.9	23.4	21.3	81	85	1.0
19	1011.9	28.7	25.3	23.4	22.9	86	68	Trace
20	1012.6	29.5	25.9	24.2	22.9	84	66	0.0
21	1014.8	25.2	23.5	22.7	21.5	88	89	2.0
22	1017.2	28.2	24.8	22.6	21.6	83	48	1.1
23	1019.6	24.0	23.0	22.4	20.2	84	88	Trace
24	1019.4	25.9	23.3	22.2	19.5	79	78	0.0
25	1018.9	26.6	23.5	21.7	19.2	77	56	0.0
26	1019.3	28.0	24.0	21.9	19.6	77	30	0.0
27	1020.6	25.8	22.8	20.8	16.9	70	26	0.0
28	1022.1	22.7	20.4	18.4	14.2	68	81	0.0
29	1021.8	23.0	20.0	18.0	12.9	64	79	0.0
30	1022.5	22.3	19.2	16.4	12.4	65	64	0.1
Mean/Total	1017.7	26.4	23.5	21.7	17.8	71	60	5.1
Normal?	1017.7	24.1	21.8	19.8	16.0	71	54	37.6

Trace means rainfall less than 0.05 mm ? 1981-2010 Climatological Normal

1/6/2021 Daily Extract



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Daily Extract

Daily Extract of Meteorological Observations , December 2020

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				Hong Kong C	bservatory			
Day	Mean	Air	Temperat	ure			Mean Amount	Total
	Pressure (hPa)	Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)	Mean Dew Point (deg. C)	Mean Relative Humidity (%)	of Cloud (%)	Rainfall (mm)
01	1022.3	22.4	19.7	17.0	13.2	66	54	0.0
02	1020.5	22.7	19.9	17.4	13.0	65	28	0.0
03	1021.0	20.6	17.4	15.4	10.5	64	11	0.0
04	1021.4	18.5	15.9	13.8	8.9	63	14	0.0
05	1021.5	19.8	16.8	13.9	9.7	63	35	0.0
06	1020.4	21.6	18.2	15.4	12.4	69	26	0.0
07	1020.4	23.2	20.7	18.1	13.3	63	75	0.0
08	1019.7	21.9	19.9	17.8	12.8	64	83	0.0
09	1017.7	21.4	19.8	18.4	14.4	71	88	Trace
10	1016.8	23.5	20.9	18.7	16.8	78	88	0.3
11	1015.9	23.6	21.6	20.3	18.3	82	81	Trace
12	1015.3	22.1	20.9	20.2	18.1	84	88	Trace
13	1014.7	22.5	20.9	20.2	16.8	78	86	0.0
14	1018.1	22.1	19.5	15.5	15.9	80	88	Trace
15	1022.2	16.8	15.4	13.4	10.4	72	88	Trace
16	1023.5	16.5	14.8	13.3	9.7	71	88	0.0
17	1022.1	16.5	14.9	13.6	9.8	71	88	0.0
18	1021.6	19.3	16.4	14.7	10.4	68	81	0.0
19	1023.4	17.8	15.0	12.5	7.9	63	70	0.0
20	1024.1	18.5	14.9	11.9	6.9	59	80	0.0
21	1022.1	19.6	16.5	13.0	8.1	58	79	0.0
22	1019.6	19.6	17.4	14.7	10.9	66	84	0.0
23	1016.9	19.7	18.4	16.9	15.5	83	88	1.2
24	1016.3	22.5	20.0	18.3	15.6	76	67	0.0
25	1018.7	20.9	18.9	17.4	14.9	77	84	0.0
26	1018.1	21.1	18.7	17.0	14.8	79	42	0.0
27	1015.8	24.5	20.4	17.6	14.9	71	24	0.0
28	1014.8	23.7	20.6	18.7	14.5	69	46	0.0
29	1014.8	24.5	21.0	18.7	16.3	75	30	0.0
30	1022.8	21.6	15.1	10.6	4.6	50	21	0.0
31	1027.0	14.2	10.9	8.1	-3.2	37	15	0.0
Mean/Total	1019.7	20.7	18.1	15.9	12.1	69	62	1.5
Normal?	1020.5	20.2	17.9	15.9	11.9	69	52	26.8

Trace means rainfall less than 0.05 mm ? 1981-2010 Climatological Normal



மி > Climate > Climate Information Service > Daily Extract

Daily Extract

				Back Ye	ear 2021	✓ Month 1	→ Go				
		Hong Kong Observatory					King's Park	Waglan Is	sland^		
Day	Mean Pressure (hPa)	Air Absolute Daily Max (deg. C)	Tempera Mean (deg. C)	Absolute Daily Min (deg. C)	Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)	Total Bright Sunshine (hours)	Prevailing Wind Direction (degrees)	Mea Wind Spec (km/l
01	1025.5	15.0	11.8	8.6	-1.4	40	14	0.0	9.6	***	***
02	1022.9	17.8	14.0	10.4	3.9	52	12	0.0	9.6	***	***
03	1021.9	20.6	16.7	13.4	9.9	65	54	0.0	9.2	***	***
04	1021.0	20.7	18.3	16.9	11.6	66	87	0.0	2.9	***	***
05	1020.1	21.9	18.8	17.3	11.9	65	60	0.0	5.3	***	***
06	1020.0	19.6	17.1	16.0	12.0	72	68	0.0	5.9	***	***
07	1020.8	18.3	15.3	10.6	9.1	67	88	0.0	2.0	***	***
08	1025.0	10.7	9.1	7.7	-0.6	52	88	0.0	0.0	***	***
09	1024.5	13.1	10.7	8.0	-3.3	38	84	0.0	2.7	***	***
10	1023.5	15.2	12.8	11.0	-0.4	40	88	0.0	0.9	***	***
11	1025.8	12.4	10.6	9.2	-1.1	44	88	0.0	0.0	***	***
12	1023.6	15.7	11.9	8.6	-3.8	33	8	0.0	9.7	***	***
13	1019.8	17.8	13.4	10.4	2.3	48	11	0.0	9.7	***	***
14	1017.8	19.5	15.2	11.8	6.0	55	18	0.0	9.7	***	***
15	1016.1	20.9	17.3	14.6	9.2	59	26	0.0	9.7	***	***
16	1017.4	20.3	17.6	15.8	11.5	68	69	0.0	9.2	***	***
17	1023.5	19.6	16.6	14.1	7.9	58	39	0.0	9.0	***	***
18	1023.3	17.3	14.2	11.7	4.7	53	5	0.0	9.6	***	***
19	1020.3	17.4	15.4	12.6	8.6	64	50	0.0	4.6	***	***
20	1018.1	21.4	18.2	16.1	12.4	69	85	0.0	3.4	***	***
21	1015.6	22.8	20.1	17.6	15.1	73	69	0.0	5.0	***	***
22	1013.4	24.5	20.3	18.2	16.6	80	61	0.0	9.8	***	***
23	1014.0	24.4	20.2	17.7	16.0	78	24	0.0	8.5	***	***
										***	***
24	1017.1	20.0	18.4	17.3	15.3	83 74	73	Trace 0.0	9.9	***	***
										***	***
26	1016.9	23.5	19.6	17.4	15.6	78	9	0.0	9.4	***	***
27		21.9	18.9	17.6	14.6	77	46 27	0.0	8.3	***	***
	1020.7	22.8	19.1	16.5	13.2	70		0.0	8.8	***	***
29	1022.6	19.7	16.6	14.3	8.6	60	11	0.0	10.1	***	***
30	1022.5	19.5	16.7	14.8	10.8	68	27	0.0	10.0	***	***
31 Mean/Total	1021.6	21.6 19.3	18.4	16.0	12.1 8.5	67	31 47	0.0 Trace	217.3	***	***
Normal (1991- 2020)	1020.1	18.7	16.5	14.6	11.7	74	62	33.2	145.8	***	***
Normal (1981- 2010)	1020.3	18.6	16.3	14.5	11.4	74	61	24.7	143.0	***	***

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

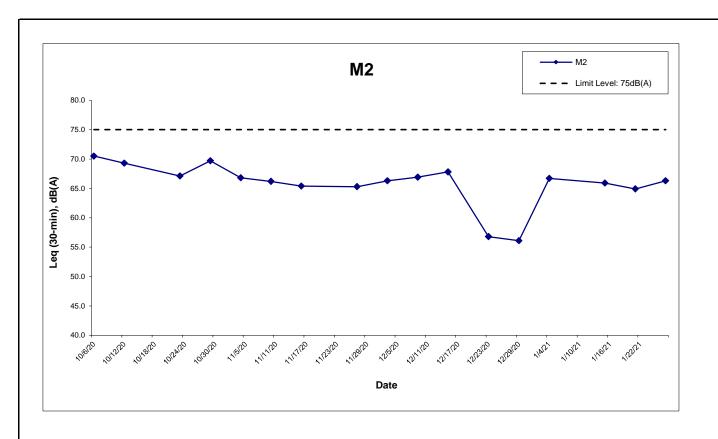
Location : M2 (West Tai Wo - Free Field)
Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

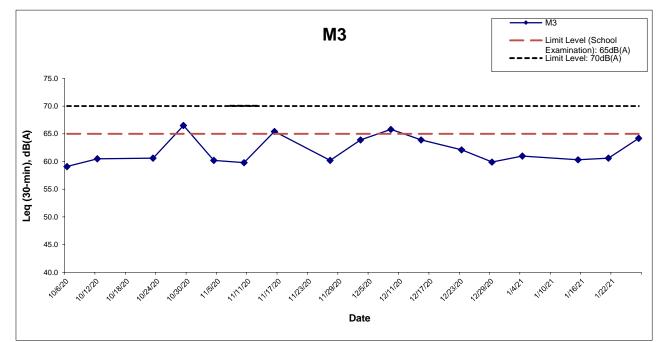
	Mea	sured Noise Lev	vel for 30-min, d	B(A)	Limit Level,	Exceedance
Date	Start Time	Leq*	L10*	L90*	dB(A)	(Y/N)
6-Oct-20	13:20	70.5	72.1	69.2	75	N
12-Oct-20	14:25	69.3	70.1	68.1	75	N
23-Oct-20	13:45	67.1	68.5	63.5	75	N
29-Oct-20	14:40	69.7	71.4	67.2	75	N
4-Nov-20	14:05	66.8	67.5	64.0	75	N
10-Nov-20	14:30	66.2	67.5	63.0	75	N
16-Nov-20	14:10	65.4	66.5	62.5	75	N
27-Nov-20	13:45	65.3	66.5	62.0	75	N
3-Dec-20	11:15	66.3	68.5	65.0	75	N
9-Dec-20	14:00	66.9	67.2	66.5	75	N
15-Dec-20	14:20	67.8	69.0	65.5	75	N
23-Dec-20	10:30	56.8	57.1	56.4	75	N
29-Dec-20	10:40	56.1	56.3	55.9	75	N
4-Jan-21	14:50	66.7	67.5	65.5	75	N
15-Jan-21	11:00	65.9	66.5	61.5	75	N
21-Jan-21	15:50	64.9	66.0	62.0	75	N
27-Jan-21	9:20	66.3	68.4	64.8	75	N
Minimum for No	ov 20 to Jan 21	56.1	56.3	55.9		_
Maximum for Nov 20 to Jan 21		67.8	69.0	66.5		
Average for No	v 20 to Jan 21	65.7	66.8	63.5		

Location : M3 (Fanling Government Secondary School- Façade)Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

	Mea	sured Noise Lev	vel for 30-min, d	B(A)	Limit Level,	Exceedance
Date	Start Time	Leq	L10	L90	dB(A)^	(Y/N)
6-Oct-20	14:30	59.1	61.4	57.2	70	N
12-Oct-20	13:30	60.5	62.3	59.8	70	N
23-Oct-20	13:05	60.6	62.0	58.0	70	N
29-Oct-20	13:15	66.5	68.2	64.1	70	N
4-Nov-20	13:25	60.2	61.5	56.0	70	N
10-Nov-20	13:05	59.8	61.0	56.0	70	N
16-Nov-20	13:05	65.4	66.5	62.5	70	N
27-Nov-20	13:05	60.2	61.5	55.0	70	N
3-Dec-20	10:25	63.9	65.5	62.0	70	N
9-Dec-20	14:45	65.8	66.7	65.3	70	N
15-Dec-20	15:15	63.9	65.5	61.5	70	N
23-Dec-20	17:15	62.1	62.5	60.1	70	N
29-Dec-20	11:20	59.9	60.2	58.8	70	N
4-Jan-21	14:00	61.0	62.5	59.0	70	N
15-Jan-21	10:10	60.3	61.5	57.0	65	N
21-Jan-21	14:45	60.6	61.5	56.5	70	N
27-Jan-21	10:00	64.2	66.5	61.9	70	N
Minimum for No	v 20 to Jan 21	59.8	60.2	55.0		_
Maximum for No	ov 20 to Jan 21	65.8	66.7	65.3		
Average for No	Average for Nov 20 to Jan 21		63.9	60.4		

^{* +3}dB(A) Façade effect correction included





CONTRACT NO. HY/2012/06

WIDENING OF FANLING HIGHWAY

- TAI HANG TO WO HOP SHEK INTERCHANGE

AECOM

Graphical Presentation of Impact Daytime Construction Noise Monitoring Results

Project No.: 60307376 Date: Feb-21 Appendix G

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 quarter	Total no. followed up by the ET since project commencement
	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		
Environmental complaints	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	0	10
	23 October 2014	EPD referred an air complaint on 24 October 2014. 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.	Closed		

Date Received	Subject	Status	Total no. followed up by the ET this quarter	Total no. followed up by the ET since project commencement
	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.			
31 December 2014	EPD referred a water complaint on 31 December 2014. 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.	Closed		
25 March 2015	EPD referred a water complaint on 25 March 2015. 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. The situation has continued for a few weeks and she asked the EPD to follow up as soon as possible.	Closed		

Dat Recei		Subject	Status	Total no. followed up by the ET this quarter	Total no. followed up by the ET since project commencement
5 Janu 201 (Referr the Contra on 2 Janu 201	rred by ne ractor 13 uary	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. 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. 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.	Closed		
22 M 201 (Referr the Contra on 23 201	one ractor 3 May	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. 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). The complainant concerned about if any Construction Noise Permit is issued by the Environmental Protection Department.	Closed		

Date Received	Subject	Status	Total no. followed up by the ET this quarter	Total no. followed up by the ET since project commencement
25 February 2018 (Referred by the Contractor on 1 March 2018)	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. 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. The complainant concerned that the nuisance affects residence and asked for follow-up action from the related department.	Closed		
28 September 2019 (Referred by the EPD on 28 October 2019)	The EPD received a complaint on 28 October 2019. The complaint was referred to the Environmental Team by the Contractor on 28 October 2019. The complainant was regarded to the use of powered mechanical equipment not in accordance with the conditions stipulated in the Construction Noise Permit (CNP) - GW-RN0602-19 in Pak Wo Road near Fanling Highway on 24 September 2019. The complainant concerned about if any Construction Noise Permit is issued by the Environmental Protection Department.	Closed		

	Date Received	Subject	Status	Total no. followed up by the ET this quarter	Total no. followed up by the ET since project commencement
	28 October 2019 (Referred by the EPD on 14 November 2019)	The Buildings Department received a complaint on 28 October 2019 through email. The complaint was referred to Environmental Team of HY/2012/06 on 14 November 2019. The complainant complained about dust and noise nuisance caused continuously by road construction works at Tai Wo Service Road West.	Closed		
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 quarter	Total no. followed up by the ET since project commencement
Environmental complaints	-		-	0	0
Notification of summons	-	-	-	0	0
Successful Prosecutions	-	-	-	0	0