

Environmental Protection Department

Contract No. HY/2012/06

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

Quarterly EM&A Report for February 2016 to April 2016

[05/2016]

	Name	Signature
Prepared & Checked:	Adam Zhu	12
Reviewed & Approved:	Y W Fung	Ty.

Version:	Rev. 0	Date: 23 May 2016
	V973240000-097451-1-1-1-0	

Disclaimer

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.

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



Our ref JFP/EC/ST/pl/T329380/22.05/L-0122

T 2828 5920

steven.tang@mottmac.com.hk

Your ref

E

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

Dear Sir,

23 May 2016 By Fax (2805 5028) & Hand

Attn: Mr. James Penny

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/D
Quarterly EM&A Summary Report for February 2016 to April 2016 for the portion of Stage 2 works under Contract No. HY/2012/06

We refer to the revised Quarterly EM&A Summary Report for February 2016 to April 2016 for the captioned Project received on 23 May 2016 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 – Mr. Chung Lok Chin (Fax: 2714 5198) AECOM – Mr. Y W Fung (Fax:2891 0305)

TABLE OF CONTENTS

		Page
EXI	ECUTIVE SUMMARY	2
1	INTRODUCTION	4
	1.1 Project Organization and Contacts of Key Management1.2 Programme1.3 Summary of Construction Works	4 4 4
2	ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS	6
	 2.1 Monitoring Parameters 2.2 Monitoring Locations 2.3 Environmental Quality Performance Limits (Action/Limit Levels) 2.4 Environmental Mitigation Measures 	6 6 6
3	AIR QUALITY MONITORING	6
4	NOISE MONITORING	7
5	ADVICE ON THE SOLID AND LIQUID WASTE MANAGEMENT STATUS	7
6	SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LI	MIT 8
7	SUMMARY OF COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS	8
8	COMMENTS, RECOMMENDATIONS AND CONCLUSIONS	9
	8.1 Comments8.2 Recommendations8.3 Conclusions	9 10 10

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

Figures

Figure 1.1 General Project Layout Plan Locations of Monitoring Station Figure 1.2a-b

List of Appendices

appenaix 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

AECOM Asia Co. Ltd.
P:\60307376\1.01\Deliverables\Quarterly Report\201602-201604\Rev.0 (1602-1604).doc May 2016

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 two 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". This report focuses on Contract No. HY2012/06 "Widening of Fanling Highway – Tai Hang to Wo Hop Shek Interchange" in Stage 2 of the Project only.

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

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

This report documents the findings of EM&A works conducted in the period between 1 February 2016 and 30 April 2016. As informed by the Contractor, construction activities in the reporting period were as follows:

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

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 the Environmental Team in the reporting period.

Complaint, Notification of Summons and Successful Prosecution

No complaint, notification of summons or 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 (China State	Environmental	Michael Tsang	9277 4956	2672 2501
Construction Engineering (Hong Kong) Limited)	Officer	C C Chow	9679 6315	2672 2501
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 carried out by the Contractor in this reporting period are listed below:
 - Site clearance
- Ground investigation
- Piling works
- Pipe laying
- Retaining wall construction
- Noise barrier
- Excavation
- Backfilling
- Drainage
- Temporary bridge construction
- House construction
- Footbridge demolition
- Bridge construction

- The general layout plan of the Project site showing the contract areas is shown in Figure 1.1. 1.3.2
- 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 1.2a.
- 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 1.2a-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 cloudy, with several fine, sunny and rainy days 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)	75.1	63.8 – 81.2	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)	41.8	9.5 – 93.8	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*	69.5	67.3 – 71.4	75
M3#	63.8	60.8 – 67.5	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 the Environmental Team in the reporting period.
- 4.1.5 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, 5,518 m³ of inert C&D material was disposed of as public fill to Tuen Mun 38 (of which 0m³ was broken concrete), while 215 m³ of general refuse was disposed of at NENT landfill. 189 kg of paper/cardboard packaging, 1,332 kg of plastics and 0 kg of metals were collected by recycling contractors in the reporting period. 2,972 m³, 1,075 m³, and 1,408 m³ of inert C&D materials were reused on site, in other projects and in NENT for backfilling purpose respectively. 0kg of chemical wastes was 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.

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

Table 5.1 Summary of Waste Flow Table

Waste Type	Actual Amount	Disposal/Reuse Locations
Inert C&D materials	5,518 m ³ (of which 0 m ³ was broken concrete)	Tuen Mun 38
General refuse	215 m ³	NENT Landfill
Paper/cardboard packaging	189 kg	Recycling Contractors
Plastics	1,332 kg	Recycling Contractors
Metals	0 kg	Recycling Contractors
C&D materials reused on site	2,972 m ³	Site Area
C&D materials reused in other projects	1,075 m³	Other projects
C&D materials reused in NENT for backfilling	1,408 m³	NENT Landfill
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 the Environmental Team in the reporting period.

7 SUMMARY OF COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS

- 7.1.1 No complaint, notification of summons or 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:

Air Quality Impact

- The Contractor should provide and affix a valid NRMM label for the mentioned roller and excavator properly.
- The Contractor was reminded to cover the stockpile properly.
- The Contractor should dampen the road to reduce dust generation.
- The Contractor was reminded to cover or remove the stockpile before the end of the work.

Construction Noise Impact

• The Contractor should replace the NEL in order to show the information clearly.

Water Quality Impact

- The Contractor should provide effective wheel washing facilities at the works area.
- The Contractor should clear the mud trail and provide effective wheel washing facilities.
- The Contractor should provide sandbags or other equivalent measures to prevent surface runoff from entering public road and public.

Chemical and Waste Management

- Several oil drums and chemical containers were observed on bare ground at NB49. The Contractor should provide drip tray to the chemicals to prevent chemical leakage.
- The Contractor should improve the housekeeping.
- The Contractor was reminded to improve the site tidiness.

Landscape and Visual Impact

• Nil.

Miscellaneous

- The Contractor should remove the stagnant water to prevent mosquito breeding.
- The Contractor should remove or turn over the panels such that no water can be retained.

AECOM Asia Co. Ltd. 9 May 2016

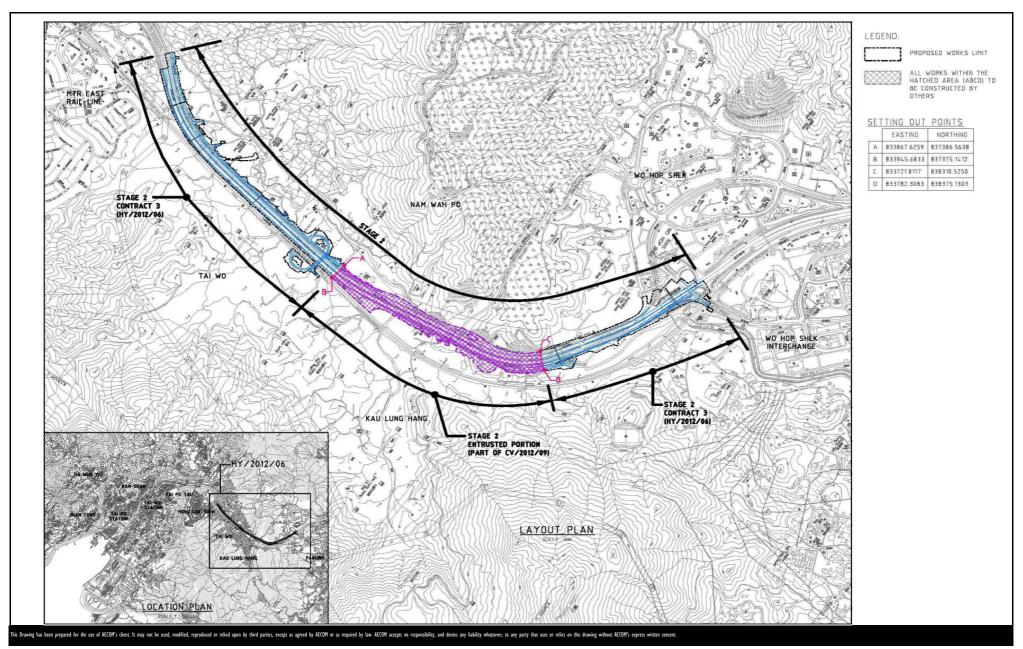
8.2 Recommendations

- 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 the Environmental Team in the reporting period.
- 8.3.3 No complaint, notification of summons or successful prosecution was received in the reporting period.

FIGURES



CONTRACT NO. HY/2012/06

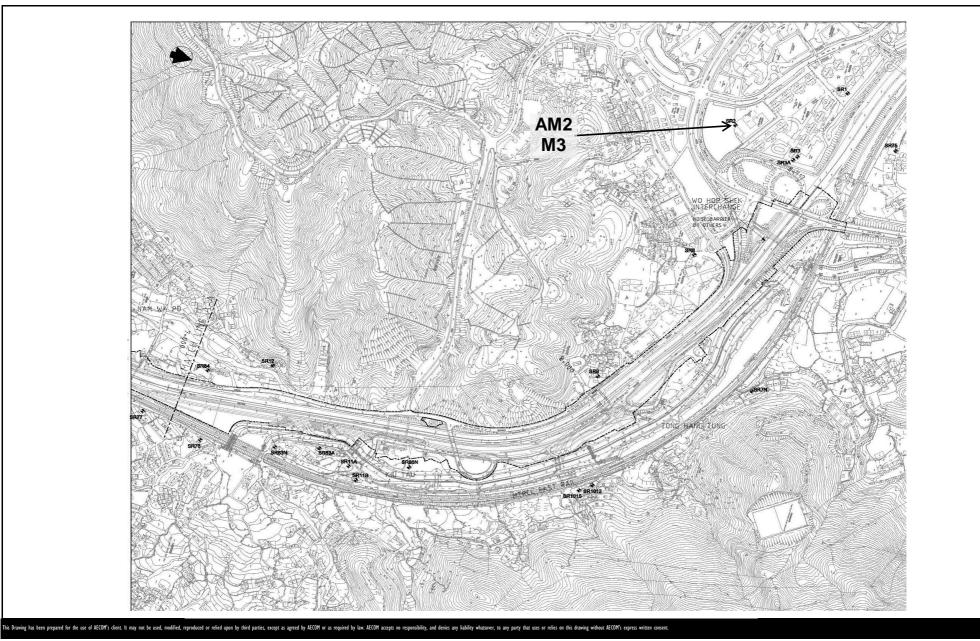
WIDENING OF FANLING HIGHWAY

- TAI HANG TO WO HOP SHEK INTERCHANGE

AECOM

Layout Plan

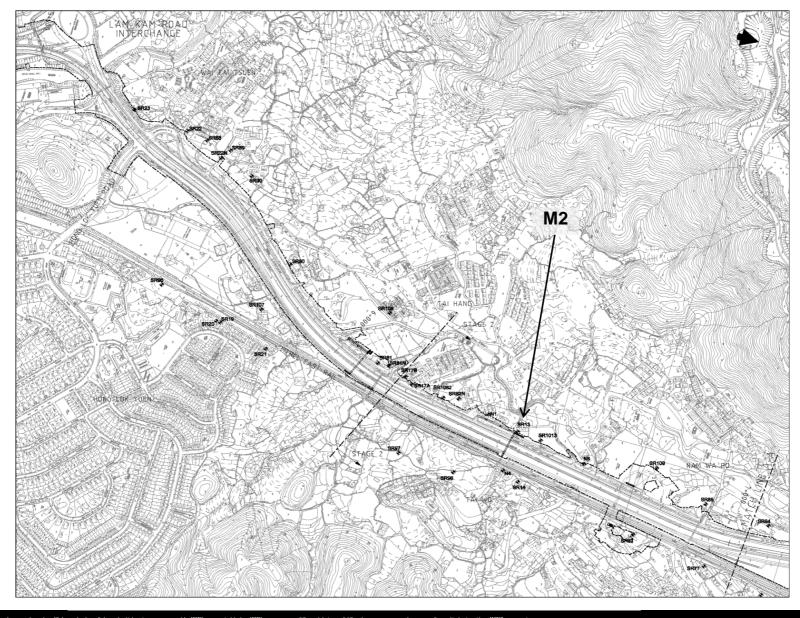
Date: Dec 2013 Figure 1.1



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

- TAI HANG TO WO HOP SHEK INTERCHANGE





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 whatsover, to any party that uses or relies on this drawing without AECOM's express written consent.

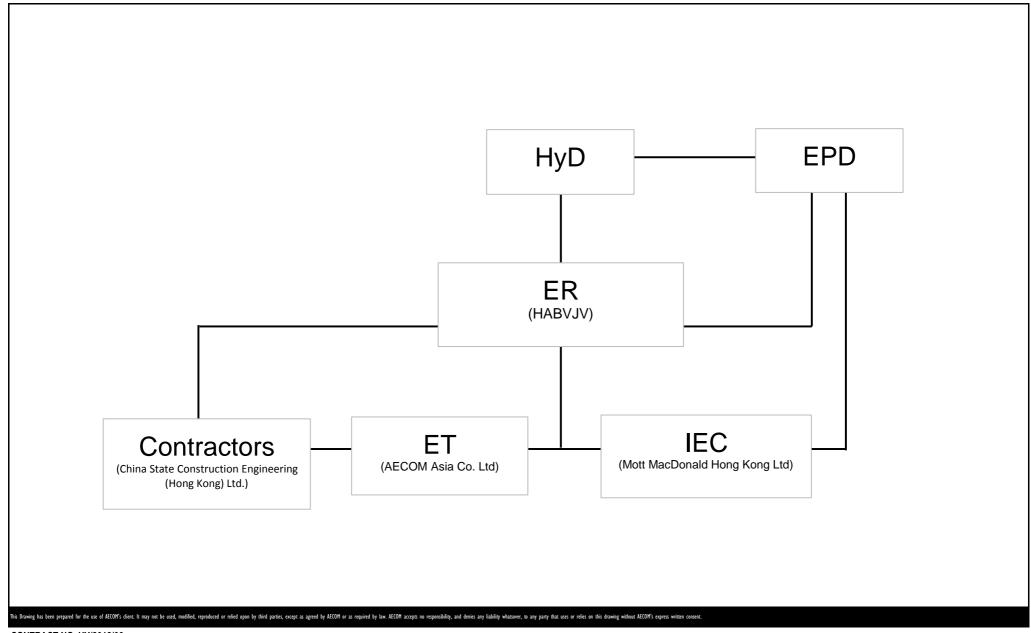
WIDENING OF FANLING HIGHWAY

CONTRACT NO. HY/2012/06

- TAI HANG TO WO HOP SHEK INTERCHANGE



APPENDIX A PROJECT ORGANIZATION STRUCTURE



CONTRACT NO. HY/2012/06

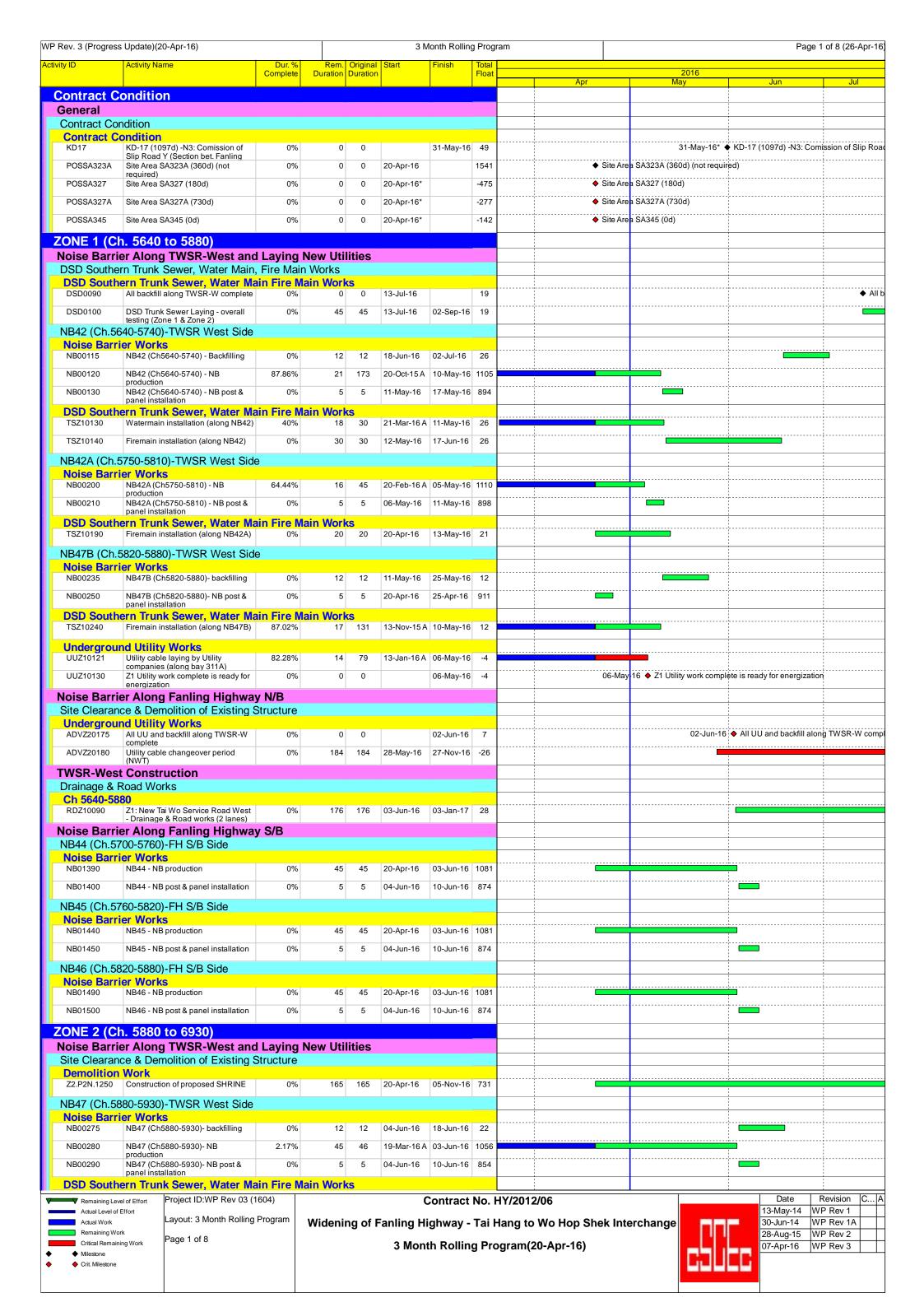
WIDENING OF FANLING HIGHWAY

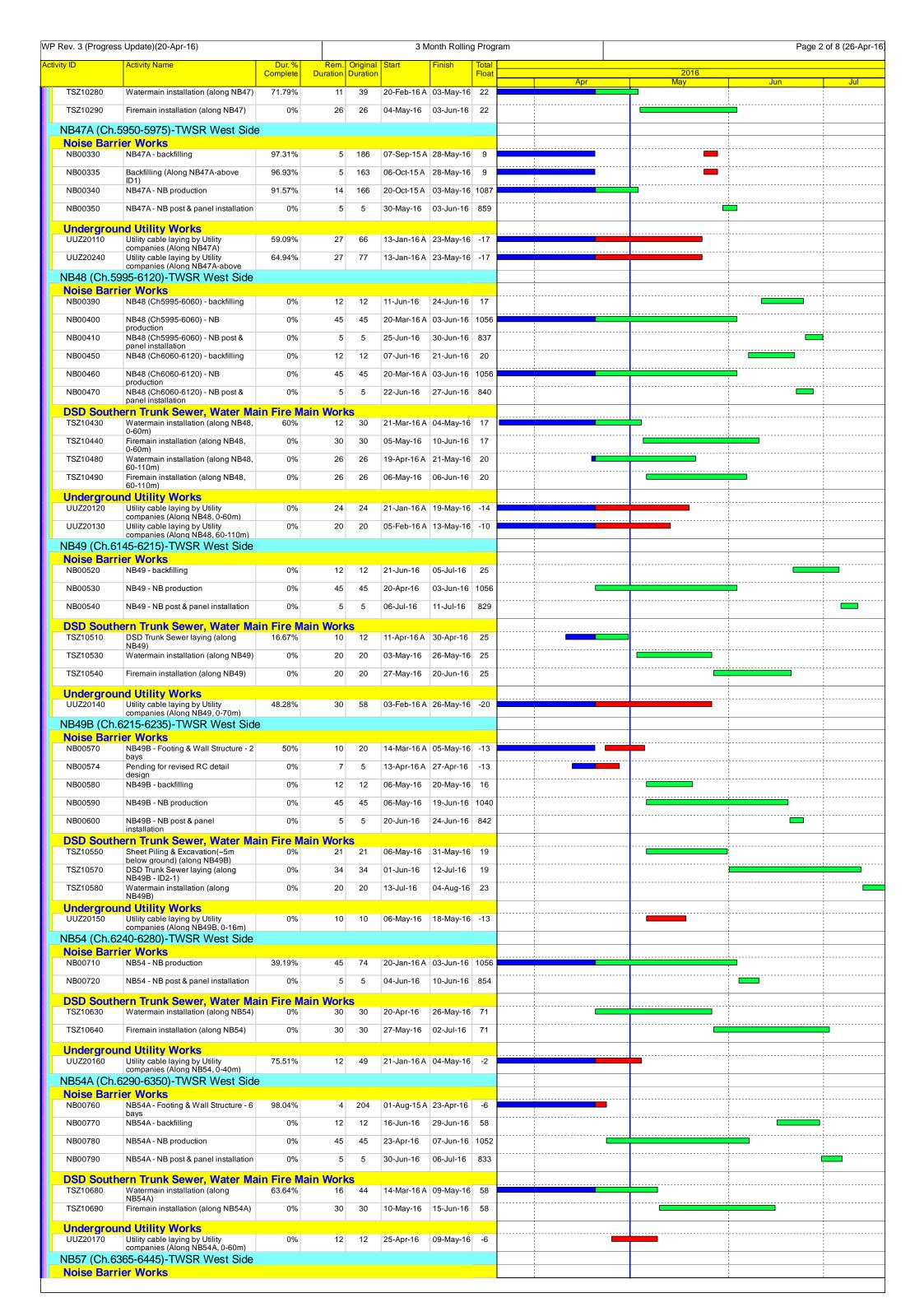
- TAI HANG TO WO HOP SHEK INTERCHANGE



Project No.: 60307376 Date: Dec 2013 Appendix A

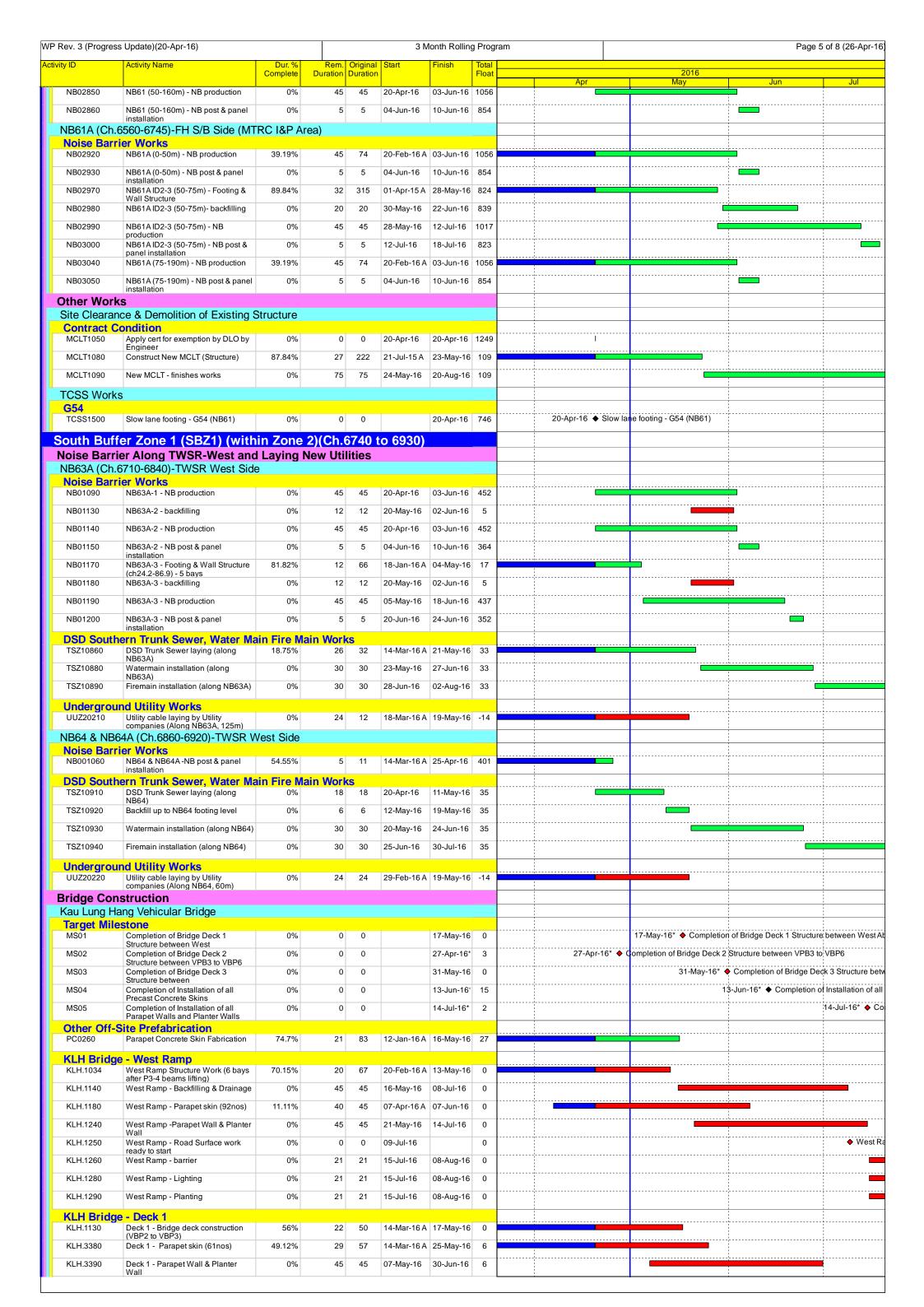
APPENDIX B CONSTRUCTION PROGRAMMES





	ss Update)(20-Apr-16)					Month Rolling	g Progi	am 			Pag	je 3 of 8 (26-Ap
vity ID	Activity Name	Dur. % Complete	Rem. Duration		Start	Finish	Total Float			2016		
NB00840	NB57 - backfilling	0%	12	12	19-Apr-16 A	04-May-16	29		Apr	May	Jun	Jul
NB00850	NB57 - NB production	0%	45	45	20-Apr-16	03-Jun-16	1056					
NB00860	NB57 - NB post & panel installation	0%	5	5	04-Jun-16	10-Jun-16	854					
DSD South	nern Trunk Sewer, Water Ma	in Fire M	ain Wor	ks							i	1
TSZ10730	Watermain installation (along NB57)	0%	27		10-May-16	11-Jun-16	31					
TSZ10740	Firemain installation (along NB57)	0%	30	30	13-Jun-16	18-Jul-16	31					!
TSZ10785	PCCW drawpit by Pccw	69.23%	16	52	29-Jan-16 A	09-May-16	31					·
TSZ10990	Backfilling for UU and Firemain & Watermain	0%	12	12	19-Jul-16	01-Aug-16	31					
Undergrou	ind Utility Works											
UUZ20180	Utility cable laying by Utility companies (Along NB57, 0-80m)	0%	26	26	26-Feb-16 A	21-May-16	-16					
	445-6480)-TWSR West Side										1	1
Noise Barr	NB58 - Footing & Wall Structure - 3	96.39%	6	166	15-Sep-15 A	26-Apr-16	-8					
NB00910	bays NB58 - backfilling	0%	12	12	12-May-16	26-May-16	11					
NB00920	NB58 - NB production	0%	45		27-Apr-16	10-Jun-16						
NB00930	NB58 - NB post & panel installation	0%	5		11-Jun-16	16-Jun-16						
	i i				11 0411 10	10 0411 10	0.10					
TSZ10780	nern Trunk Sewer, Water Ma Watermain installation (along NB58)	In Fire W	ain wor 40		20-Apr-16	07-Jun-16	51					
TSZ10790	Firemain installation (along NB58)	0%	40	40	20-Apr-16	07-Jun-16	51					
TSZ11010	Backfilling	0%	12	12	01-Jun-16	15-Jun-16	51					
Undergrou	and Utility Works											-
UUZ20190	Utility cable laying by Utility	0%	12	12	27-Apr-16	11-May-16	-8				<u> </u>	!
NB59 (Ch.6	companies (Along NB58, 0-45m) 490-6590)-TWSR West Side											
Noise Barr	ier Works	00.5=::		00=	00.11	20.1	٥.					
NB00970	NB59 - Footing & Wall Structure - 9 bays	96.25%	10		02-May-15 A	·						
NB00980	NB59 - backfilling	0%	12		04-Jul-16	16-Jul-16	44			<u></u>		
NB00990	NB59 - NB production	0%	45		30-Apr-16	14-Jun-16						
NB01000	NB59 - NB post & panel installation	0%	12	12	18-Jul-16	30-Jul-16	812					
	nern Trunk Sewer, Water Ma				44 0== 40 0	00 May 40	4.4					
TSZ10830	Watermain installation (along NB59)	0%	30		11-Apr-16 A					<u>-</u>		
TSZ10840	Firemain installation (along NB59)	0%	30	30	27-May-16	02-Jul-16	44				 	-
Undergrou UUZ20200	Ind Utility Works Utility cable laying by Utility	53.73%	31	67	29-Jan-16 A	27-May-16	-21					
	companies (Along NB59, 0-95m) 610-6700)-TWSR West Side	33370	<u> </u>	Ü.	20 04.1 1071							
Noise Barr	,											
NB01040	NB63 - NB production	57.14%	45	105	20-Jan-16 A	03-Jun-16	1056					
NB01050	NB63 - NB post & panel installation	0%	5	5	04-Jun-16	10-Jun-16	854					
	nern Trunk Sewer, Water Ma											
TSZ10330	Watermain installation (along NB63)	48.28%	30		15-Feb-16 A							
TSZ10340	Firemain installation (along NB63)	0%	30	30	27-May-16	02-Jul-16	56				1	
DSD South TSZ11020	nern Trunk Sewer - Trenchle Watermain & Firemain installation	ess Const 87.01%	ruction 10	77	14-Dec-15 A	30-Apr-16	57				 	
TSZ11025	above Trunk Sewer Town gas pipe laying (change of	07.01%	20			26-May-16						
	design)	0 /6	20	20	03-Way-10	20-iviay-10	37					
Undergrou UUZ20230	und Utility Works Utility cable laying by Utility	98.34%	6	362	29-Jan-15 A	26-Apr-16	4				!	
Bridge Cor	companies (Along NB63~100m)											
	ng Footbridge											
General												
THBF0335	Structure steel Shop drawing approval (THFB)	99.2%	3	-	04-Dec-14 A	<u> </u>						
THBF0340	Structure steel procurement (THFB)	59.6%	122	302	22-Sep-15 A	19-Aug-16	47					
TWSR-Wes	st/ FL Highway N/B Side Sec THP5 - Pile cap, Pier and Pier Head	ction 58.82%	77	187	31-Oct-15 A	22- Jul-16	182					
THBF0180	THP8, THP9 - Pile cap, Pier and	72.4%	77		13-Jul-15 A		242				!	
	Pier Head											
THBF0220	THAB3 - pile cap & abutment wall	0%	69		20-Apr-16	13-Jul-16	223					
THBF0230	THAB3 - Backfilling (~4m)	0%	27	27	14-Jul-16	13-Aug-16						
THBF0270	THP6, THP7 - Pile cap, Pier and Pier Head	77.78%	16		01-Feb-16 A							
THBF0310	THAB2 - pile cap & abutment wall	0%	30		10-May-16	15-Jun-16						
THBF0320	THAB2 - Backfilling (~3m)	0%	20		16-Jun-16	09-Jul-16	163					1
THBF0325	Steel Ramp ready for erection (THFB-TWSR-W side)	0%	0	0		09-Jul-16	163					09-Jul-16 ♦ S
TWSR-Eas	t FL Highway S/B Side Sect		200	30	02 May 12	07-Jun-16	151					
	·	0%	30		03-May-16							
THBF0480	THAB1 - Backfilling (~3m)	0%	20		08-Jun-16	02-Jul-16						
THBF0510	THP2 - Pile Test	85.33%	11		16-Feb-16 A	<u>'</u>						
THBF0520	THP2 - Pile cap, Pier and Pier Head	0%	45		04-Jul-16	24-Aug-16			<u></u>			
THBF0720	THP3 - Pile Test	85.33%	11	75	16-Feb-16 A							
THBF0730	THP3 - Pile cap, Pier and Pier Head	0%	45	45	03-May-16	25-Jun-16	204					
THBF0760	THP4 - Pile Test	85.33%	11	75	16-Feb-16 A	30-Apr-16	212					
THBF0770	THP4 - Pile cap, Pier and Pier Head	0%	45	45	03-May-16	25-Jun-16	174					
THBF0780	Modified existing column head of existing footbridge	0%	30	30	27-Jun-16	01-Aug-16	174					1
Lift at TWS	SR-W Side											
L1500	Temp work & Pile cap	0%	45	45	20-Apr-16	14-Jun-16	102				:	
								· ·	•			

	S Update)(20-Apr-16)	<u> </u>		Orie		onth Rolling Prog	ralli		Page 4 of	ı ∪ (∠b-A
ty ID	Activity Name	Dur. % Complete	Duration	Original Duration	Start	Finish Total Float	Apr	2016 May	Jun	lul
L1556	Lift contractor sub-letting	88.8%	14	125	21-Sep-15 A	06-May-16 47	Apr	May	Jun	Jul
L1557	Lift submission & ordering period	0%	240	240	07-May-16	01-Mar-17 47				
L1600	CLP Power available (by CLP)	0%	365	365	20-Apr-16	19-Apr-17 97				
Lift at FLH	Y S/B									
L1345	THB (E) - Pre-bored H pile - NF78 (8 nos)	89.13%	10	92	31-Dec-15 A	30-Apr-16 73				
L1350	Temp work & Pipe cap	0%	40	40	03-May-16	20-Jun-16 73				
L1360	Lift pit	0%	30	30	21-Jun-16	26-Jul-16 73				
L1450	CLP Power available (by CLP)	0%	365	365	20-Apr-16	19-Apr-17 99				
New Tai Wo	Footbridge									
General		00.570/		10.1	0.15	22.14				
TWFB1030	Structure steel Shop drawing approval (TWFB)	92.57%	30			26-May-16 121				
TWFB1040	Structure steel procurement (TWFB)		88	299	22-Aug-15 A					
TWFB1050	Steel Staircase & Ramp prefabrication (TWFB-TWSR-W	0%	60			26-Sep-16 79				
TWFB1090	Steel Bridge prefabrication (TWFB)	0%	60	60	18-Jul-16	26-Sep-16 644				
TWSR-Wes	st/ FL Highway N/B Side Se TWP1 - Pile cap, Pier and Pier Head		32	59	19 Ech 16 A	28-May-16 209				
TWFB1160	TWAB2 - pile cap & abutment wall	45.76%	30			13-Jun-16 735				
	·			27	•					
TWFB1250	TWAB2 - Backfilling (~4m)	0%	27							15 1 1
TWFB1260	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0			15-Jul-16 735				15-Jul-16
TWFB1300	TWP4, TWP5 - Pile cap, Pier and Pier Head	92.91%	9		16-Nov-15 A	·				
TWFB1340	TWAB1 - pile cap & abutment wall	79.73%	30			26-May-16 161			- <u></u>	
TWFB1350	TWAB1 - Backfilling (~3m)	0%	20		,	20-Jun-16 161				
TWFB1360	Steel Ramp ready for erection (TWFB-TWSR-W side)	0%	0	0		20-Jun-16 161			20-Jun-16 ♦ Steel Ran	mp ready
	anling Highway Section	004	40	40	24- lun 46	15_Jul-16 54				
TWFB1410	TWP2 - Predrilling	0%	18			15-Jul-16 51				
TWFB1420	TWP2 - Pre-bored H pile (6 nos)	0%	18	18	16-Jul-16	05-Aug-16 51				
Lift at TWS	GR-W Side Lift pit	0%	30	30	15-Apr-16 A	26-May-16 634				
L1670	Lift shaft & roof	0%	52		27-May-16	•				
L1720	Lift contractor sub-letting	90%	13	133	•	06-May-16 510				
L1730	Lift submission & ordering period	0%	270	270		06-Apr-17 510				
L1780	CLP Power available (by CLP)	0%	365			19-Apr-17 699				
	, ,	076		300	20-Api-16	19-Api-17 099				
Design Wo	ai Wo Footbridge									
TWFB-T1010	Design preparation	86.19%	31	227	20-Jul-15 A	28-May-16 88			-	
TWFB-T1020	Engineer Comment	0%	26	26	28-May-16	29-Jun-16 88				
TWFB-T1030	Design amendment	0%	26	26	29-Jun-16	30-Jul-16 88				
Demolition of	of Existing Tai Wo Footbridge									
TWSR-Wes	t/ FL Highway N/B Side Se	ction	0.5	0.5	10 1 . 10	45 1 1 40 54				
TWFB-T1135	Demolish existing TWFB across TWSR-W	0%	25			15-Jul-16 51				
	Watermain & Firemain at NB58 & backfill	0%	46	46	20-Apr-16	15-Jun-16 51			V	
	t Construction									
Drainage & F Ch 5880-612										
RDZ20160	Z2 : New TWSR-West D&R Works (lane 1)	0%	120	120	03-Jun-16	26-Oct-16 5				
Noise Barrie	er Along Fanling Highwa	y S/B			1					
	935-6055)-FH S/B Side									
Noise Barri NB02280	NB51 ID1-3 (0-25m) - Footing &	0%	90	90	20-Apr-16	06-Aug-16 418				
	Wall Structure 125-6300) -FH S/B Side (MT					<u> </u>				
Noise Barri	ier Works	A IGE AI	Juj							
NB02430	Precautionary Measure installation	0%	26	26	20-Apr-16	21-May-16 603				
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	23-May-16	22-Jun-16 603				
			60	60	23-Jun-16	01-Sep-16 603				
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	00				T			
NB02450 NB02490		0%	10	10	04-Jun-16	16-Jun-16 686				
	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos			10 27	04-Jun-16 17-Jun-16					
NB02490	Structure NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10		17-Jun-16					
NB02490 NB02500	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Pilling- 1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel	0%	10 27	27 45	17-Jun-16 20-Apr-16	19-Jul-16 686				
NB02490 NB02500 NB02590 NB02600	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs NB53 (125-180m) - NB production	0% 0% 0% 0%	10 27 45 5	27 45	17-Jun-16 20-Apr-16	19-Jul-16 686 03-Jun-16 1056				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTFier Works	0% 0% 0% 0% RC I&P Are	10 27 45 5	27 45 5	17-Jun-16 20-Apr-16 04-Jun-16	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTF ier Works NB55 - Footing & Wall Structure	0% 0% 0% 0% RC I&P Are	10 27 45 5 ea)	27 45 5 421	17-Jun-16 20-Apr-16 04-Jun-16	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02650	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling-1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTFier Works NB55 - Footing & Wall Structure NB55- backfilling	0% 0% 0% 0% RC I&P Are	10 27 45 5 ea)	27 45 5 421 50	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686 19-Jul-16 686				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02660	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling-1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTFier Works NB55 - Footing & Wall Structure NB55- backfilling NB55 - NB production	0% 0% 0% 0% RC I&P Are 94.3% 0% 86.67%	10 27 45 5 ea) 24 50	27 45 5 421 50	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02650 NB02660 NB02660	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling-1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTFier Works NB55 - Footing & Wall Structure NB55- backfilling NB55 - NB production 360-6400)-FH S/B Side (MTF	0% 0% 0% 0% RC I&P Are 94.3% 0% 86.67%	10 27 45 5 ea) 24 50	27 45 5 421 50	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686 19-Jul-16 686				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02660	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling-1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTF ier Works NB55 - Footing & Wall Structure NB55 - backfilling NB55 - NB production 360-6400)-FH S/B Side (MTF	0% 0% 0% 0% RC I&P Are 94.3% 0% 86.67%	10 27 45 5 ea) 24 50	27 45 5 421 50 75	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16 15-Jan-16 A	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686 19-Jul-16 686				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02660 NB02660 NB056 (Ch.63 Noise Barri NB02730	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTF ier Works NB55 - Footing & Wall Structure NB55- backfilling NB55 - NB production 360-6400)-FH S/B Side (MTF ier Works NB56 - NB production	0% 0% 0% 0% RC I&P Are 94.3% 0% 86.67% RC I&P Are	10 27 45 5 ea) 24 50 10	27 45 5 421 50 75	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16 15-Jan-16 A	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686 19-Jul-16 686 29-Apr-16 1091				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02660 NB02660 NB56 (Ch.63 Noise Barri NB02730 NB02740	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling-1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTF ier Works) NB55 - Footing & Wall Structure NB55 - NB production 360-6400)-FH S/B Side (MTF ier Works) NB56 - NB production NB56 - NB production	0% 0% 0% 0% 8C I&P Are 94.3% 0% 86.67% 8C I&P Are	10 27 45 5 ea) 24 50 10 ea)	27 45 5 421 50 75	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16 15-Jan-16 A	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686 19-Jul-16 686 29-Apr-16 1091				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02660 NB02660 NB56 (Ch.63 Noise Barri NB02730 NB02740 NB02740 NB61 (Ch.64	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTF ier Works NB55 - Footing & Wall Structure NB55 - NB production 360-6400)-FH S/B Side (MTF ier Works NB56 - NB production NB56 - NB production NB56 - NB post & panel installation 100-6560)-FH S/B Side (MTF	0% 0% 0% 0% 8C I&P Are 94.3% 0% 86.67% 8C I&P Are	10 27 45 5 ea) 24 50 10 ea)	27 45 5 421 50 75	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16 15-Jan-16 A	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686 19-Jul-16 686 29-Apr-16 1091				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02660 NB02660 NB56 (Ch.63 Noise Barri NB02730 NB02740	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling-1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTF ier Works NB55 - Footing & Wall Structure NB55 - NB production 360-6400)-FH S/B Side (MTF ier Works NB56 - NB production NB56 - NB production NB56 - NB post & panel installation 400-6560)-FH S/B Side (MTF ier Works NB61 (0-50m) - Sheet piling &	0% 0% 0% 0% 8C I&P Are 94.3% 0% 86.67% 8C I&P Are	10 27 45 5 ea) 24 50 10 ea)	27 45 5 421 50 75	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16 15-Jan-16 A 20-Feb-16 A 04-Jun-16	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686 19-Jul-16 686 29-Apr-16 1091				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02660 NB02660 NB56 (Ch.63 Noise Barri NB02730 NB02740 NB61 (Ch.64 Noise Barri	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling-1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTF ier Works NB55 - Footing & Wall Structure NB55- backfilling NB55 - NB production 360-6400)-FH S/B Side (MTF ier Works NB56 - NB production NB56 - NB post & panel installation 400-6560)-FH S/B Side (MTF ier Works NB61 (0-50m) - Sheet piling & Excavation NB61 (0-50m) - Footing & Wall	0% 0% 0% 0% RC I&P Are 94.3% 0% 86.67% RC I&P Are 39.19% 0% RC I&P Are	10 27 45 5 ea) 24 50 10 ea) 45 5	27 45 5 421 50 75	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16 15-Jan-16 A 20-Feb-16 A 04-Jun-16	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686 19-Jul-16 686 29-Apr-16 1091 03-Jun-16 1056 10-Jun-16 854				
NB02490 NB02500 NB02590 NB02600 NB55 (Ch.63 Noise Barri NB02640 NB02660 NB02660 NB56 (Ch.63 Noise Barri NB02740 NB02740 NB61 (Ch.64 Noise Barri NB02770	Structure NB53 ID2-3 (100-125m), 18nos Predrilling NB53 ID2-3 (100-125m) 18nos Piling-1 rigs NB53 (125-180m) - NB production NB53 (125-180m) - NB post & panel installation 300-6360)-FH S/B Side (MTF ier Works NB55 - Footing & Wall Structure NB55 - NB production 360-6400)-FH S/B Side (MTF ier Works NB56 - NB production NB56 - NB post & panel installation 100-6560)-FH S/B Side (MTF ier Works NB61 (0-50m) - Sheet piling & Excavation	0% 0% 0% 0% 0% 8C I&P Are 94.3% 0% 86.67% 8C I&P Are	10 27 45 5 ea) 24 50 10 ea) 45 5	27 45 5 421 50 75 74 5	17-Jun-16 20-Apr-16 04-Jun-16 07-Nov-14 A 20-May-16 15-Jan-16 A 20-Feb-16 A 04-Jun-16 20-Apr-16 12-May-16	19-Jul-16 686 03-Jun-16 1056 10-Jun-16 854 19-May-16 686 19-Jul-16 686 29-Apr-16 1091 03-Jun-16 1056 10-Jun-16 854				



	Update)(20-Apr-16)	D. 24		Oni-i		Month Rolling Prog	ıdılı			Page 6 of 8 (26-A
y ID	Activity Name	Dur. % Complete	Duration	Original Duration	Start	Finish Total Float		Apr	2016 May	Jun Jul
KLH.3400	Deck 1 - Road Surface work ready to start	0%	0	0	02-Jul-16	6		Αρι	Iviay	◆ Deck 1
KLH.3410	Deck 1 - barrier	0%	21	21	02-Jul-16	26-Jul-16 11				
KLH.3420	Deck 1 - Lighting	0%	21	21	02-Jul-16	26-Jul-16 11				
KLH.3430	Deck 1 - Planting	0%	21	21	02-Jul-16	26-Jul-16 11				
KLH.3630	Pedestrian walkway Roof & Parapet	0%	30	30	07-Jun-16	13-Jul-16 8				
	P2 to P3 Pedestrian walkway floor finishes	0%	14		14-Jul-16	29-Jul-16 8				
	P2 to P3	078	14	14	14-301-10	29-301-10 8				
KLH Bridge KLH.3122	 Deck 2 Diaphragm construction (steel fixing 	0%	6	6	20-Apr-16	26-Apr-16 2				
	& formwork) Diaphragm concreting	0%	1	1	27-Apr-16	27-Apr-16 1				
KLH.3130			·	·	·	•		•		
	Precast Concrete Skin (P5 to P6)(14nos)	0%	8		29-Apr-16	18-May-16 3			·	
	Parapet wall (P5 to P6)	0%	30	30	11-May-16	16-Jun-16 4				
KLH.3150	Finished Surface of Road ready for P5-P6	0%	0	0	17-Jun-16	4				◆ Finished Surface of R
KLH.3160	Pedestrian walkway Roof & Parapet P5-P6	0%	30	30	17-Jun-16	22-Jul-16 4				
KLH.3170	Pedestrian walkway floor finishes P5-P6	0%	14	14	19-Jul-16	03-Aug-16 4				
KLH.3230	Precast Concrete Skin (P4 to	0%	5	5	03-May-16	07-May-16 2				
KLH.3240	P5)(12nos) Parapet wall (P4 to P5)	0%	30	30	09-May-16	14-Jun-16 2				
KLH.3250	Finished Surface of Road ready for	0%	0	0	15-Jun-16	2				◆ Finished Surface of Roa
	P4 to P5 Pedestrian walkway Roof & Parapet	0%	30		15-Jun-16	20-Jul-16 2				
	P4 to P5									
KLH.3330	Precast Concrete Skin (P3 to P4)(11 nos)	28.57%	10		23-Apr-16 A	·				<u> </u>
KLH.3340	Parapet wall (P3 to P4)	0%	30		03-May-16	07-Jun-16 7				
	Finished Surface of Road ready for P3 to P4	0%	0	0	08-Jun-16	7				◆ Finished Surface of Road read
KLH.3360	Pedestrian walkway Roof & Parapet P3 to P4	0%	30	30	08-Jun-16	14-Jul-16 7				
KLH.3370	Pedestrian walkway floor finishes P3 to P4	0%	14	14	15-Jul-16	30-Jul-16 7				
KLH Bridge										
KLH.1380	Deck - VBP6 to VBP7	58.02%	34	81	20-Feb-16 A	31-May-16 0	:			
KLH.1400	Deck - VBP7 to VBP8	81.05%	18	95	28-Dec-15 A	11-May-16 6				
KLH.3450	Deck 3 - Parapet skin (61nos)	0%	44	44	20-Apr-16	13-Jun-16 0				
KLH.3460	Deck 3 - Parapet Wall & Planter	0%	45	45	21-May-16	14-Jul-16 0				
KLH.3470	Wall Deck 3 - Road Surface work ready	0%	0	0	15-Jul-16	0				
	to start Deck 3 - barrier	0%	21	21	15-Jul-16	08-Aug-16 0				
	Deck 3 - Lighting		21	21	15-Jul-16	08-Aug-16 0				
		0%								
	Deck 3 - Planting	0%	21	21	15-Jul-16	08-Aug-16 0				
KLH.3650	Pedestrian walkway Roof & Parapet P6 to P7	0%	30	30	17-Jun-16	22-Jul-16 0				
	- East Ramp East Ramp Structure Work (5/8	93.79%	10	161	02-Oct-15 A	30-Apr-16 1				
	remaining)					·		<u></u> -		
	East Ramp - Backfilling & Drainage	0%	60		25-Apr-16	07-Jul-16 1				ļ
KLH.3540	East Ramp - Parapet skin (79nos)	43.33%	34	60	23-Mar-16 A	31-May-16 13				
KLH.3550	East Ramp -Parapet Wall & Planter Wall	0%	45	45	07-May-16	30-Jun-16 13				
	East Ramp - Road Surface work ready to start	0%	0	0	08-Jul-16	1				♦ Ea
	East Ramp - barrier	0%	21	21	08-Jul-16	01-Aug-16 6				
KLH.3580	East Ramp - Lighting	0%	21	21	08-Jul-16	01-Aug-16 6				_
KLH.3590	East Ramp - Planting	0%	21	21	08-Jul-16	01-Aug-16 6				
KLH Bridge	- Ramn R1									
Z2.KLH.1450	Ramp R1 - Pile caps and pier construction (R1P1)	91.32%	21	242	02-Jul-15 A	16-May-16 4	:			
Z2.KLH.1680	Ramp R1 - Ramp construction	0%	40	40	17-May-16	04-Jul-16 30				
	(Abutment R1 to R1P1) Ramp R1 - Ramp construction	0%	40	40	17-May-16	04-Jul-16 4				
	(R1P1 to P1P3) Ramp R1 - Abutment R1 - base slab	91.63%	21	251		16-May-16 10				
	& wall Ramp R1 - Abutment R1 - Top slab	0%	30		17-May-16	21-Jun-16 10				
	·				-					
	Ramp R1 - Abutment R1 - Staircase	0%	30		22-Jun-16	27-Jul-16 10				
	Ramp R1 - Steel roof	0%	40		02-Jun-16	20-Jul-16 4				
Z2.KLH.3620	Ramp R1 - finishes work	0%	30	30	29-Jun-16	03-Aug-16 4				
KLH Bridge				-	00:	10.00		<u></u>		
Z2.KLH.1523	VO 028 - Boundary Wall to Hse 190B structure	0%	24	24	20-Apr-16*	19-May-16 846				
	VO 028 - Boundary Wall to Hse 190B E&M, Drainage	0%	26	26	20-May-16	20-Jun-16 846				
	Ramp R2 - Pile cap, abutment and pier construction	77.3%	32	141	20-Nov-15 A	28-May-16 1				
Z2.KLH.1540	Ramp R2 - Ramp construction	0%	65	65	28-Apr-16	16-Jul-16 1				
Z2.KLH.1545	Ramp R2 - Ramp construction	0%	35	35	18-Jul-16	26-Aug-16 1				
Bridge Road	(section after VBP6-7 deck)									
	Road Pavement Works (East Ramp)	0%	26	26	08-Jul-16	06-Aug-16 1				_
Z2.KLH.1940	Road Pavement Works (Deck 1)	0%	26	26	02-Jul-16	01-Aug-16 6				
Z2.KLH.1950	Road Pavement Works (Deck 2)	0%	26	26	17-Jun-16	18-Jul-16 18				
	Road Pavement Works (Deck 3)	0%	21	21	15-Jul-16	08-Aug-16 0				
	` ,					-				
	Road Pavement Works (West Ramp)	0%	26	26	09-Jul-16	08-Aug-16 0				_
	R-W Side	22.2221	20	218	10-Aug-15 A	13-May-16 86	<u> </u>			
Lift at TWSF	Lift contractor sub-letting	QU 8.30/	211		A					1
Lift at TWSF L01093	Lift contractor sub-letting	90.83%				•				<u> </u>
Lift at TWSF L01093 L01094	Lift contractor sub-letting Lift submission & ordering period CLP Power available (by CLP)	90.83%	270	270	16-May-16	13-Apr-17 86				

rity ID	s Update)(20-Apr-16)			0.1		Ionth Rolling		n			Page	7 of 8 (26- <i>A</i>
	Activity Name	Dur. % Complete	Rem. Duration	Origina Duration		Finish	Total Float			2016		
L01180	Earliest date for lift construction	0%	0	0	14-Jun-16		79	Apı	Г	May	Jun ◆ Earliest date	Jul e for lift cons
L01190	resume Set up & Pile test	0%	45	45	14-Jun-16	05-Aug-16	79					
L01300	CLP Power available (by CLP)	0%	365	365	20-Apr-16	19-Apr-17	190				; ; ;	i
	, ,					15 1 41 11					1 1 1 1	1 1 1 1
	er Along Fanling Highwa g 745-6910)-FH S/B Side (MTR		a)								1 1 1 1	1
Noise Barri	ier Works	to fair 7 ire	,a,									
NB03080	NB62 (0-80m) - Sheet piling & Excavation	0%	18	18	20-Apr-16	11-May-16	12					
NB03090	NB62 (0-80m) - Footing & Wall Structure	0%	60	60	12-May-16	23-Jul-16	12					
NB03180	NB62 (110-170m) - Sheet piling & Excavation	0%	18	18	28-Jun-16	19-Jul-16	7				<u> </u>	1
NB70 (Ch.69	910-6930)-FH S/B Side										1 1 1 1	1 1 1 1
Noise Barri		201	10	4.0	100 1 10	44.14			<u></u>		 	
NB03250	NB70 - Sheet piling & Excavation	0%	18	18	20-Apr-16	11-May-16					 	
NB03260	NB70 - Footing & Wall Structure	0%	26	26	12-May-16	13-Jun-16	7				1 1 1	
NB03270	NB70- backfilling	0%	12	12	14-Jun-16	27-Jun-16	7					
NB03280	NB70 - NB production	0%	45	45	14-Jun-16	28-Jul-16	1001					1
orth Buffe	er Zone 2 (NBZ2) (with	in Zone	4) (Ch.	7925	to 8100)					1	
ridge Cons	struction					-					1	
	Yuen Footbridge										1 1 1 1	1
General HKY1060	Steel Staircase & Ramp	0%	30	30	01-Apr-16 A	26-May-16	-9				! !	
HKY1070	prefabrication (HKYB-TWSR-W Steel Staircase & Ramp available	0%	0	0	27-May-16	, , ,	-9		_ _		eel Staircase & Ramp ava	ilable on sit
HKY1100	on site (HKYB-TWSR-W side) Steel Bridge prefabrication (HKYB)	0%	45	45	01-Apr-16 A	14lun-16	4			, s.		
	Steel Bridge prelabilication (FIK FB) Steel Bridge available on site				-	. + Jun-10	4				♦ Steel Bridg	e'available
HKY1110	(HKYB)	0%	0	0	15-Jun-16		4				→ Steel Bridg	avaliable
TWSR-Wes HKY1162	tt/ FL Highway N/B Side Se Mobilisation, backfill & remove	ction 33.33%	20	30	14-Apr-16 A	13-May-16	-59				 	
HKY1170	completed ELS & Redesign ELS HKYP6 - Pile cap, Pier and Pier	0%	60	60	16-May-16	•						
	HKYP6 - Pile cap, Pier and Pier Head HKYP7 - Pile cap, Pier and Pier				,							
HKY1310	Head	67.33%	33	101	18-Jan-16 A							
HKY1350	HKYAB4 - pile cap & abutment wall	40%	33	55	21-Mar-16 A						; ; ; ;	
HKY1360	HKYAB4 - Backfilling (~3m)	0%	12	12	31-May-16	14-Jun-16	-24			ı		
	anling Highway Section										ļ	
HKY1416	TTA Stage 4 start	0%	0	0	16-Jun-16		1203				◆ TTA Stage	4 start
HKY1450	HKYP2 - Pile cap, Pier and Pier Head	35.71%	36	56	26-Feb-16 A	02-Jun-16	13				-	1
	FL Highway S/B Side Sec								<u></u> -		 	
HKY1600	Finishes Work	0%	30	30	20-Apr-16	26-May-16						
HKY1610	Bridge Structure complete (HKYFB-TWSR-E side)	0%	0	0		05-Jul-16	11				05-Jul	I-16 ◆ Brid
HKY1860	Erect Steel Ramp (HKYFB-TWSR-E side)	43.86%	32	57	20-Feb-16 A	28-May-16	11				 	
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	0%	30	30	30-May-16	05-Jul-16	11				1	
	er Along Fanling Highwa 090-8450)-FH N/B Side ier Works	y N/B										
NB4285	TTA for FH N/B (Stage 6) start	0%	0	0	16-Jul-16		35				; ; ;	
Bridge Cons	struction	<u> </u>				<u> </u>					1 1 1 1	
New Wo Hop	o Shek Pedstrian & Cycle Br	idge									1	1
General WHS1060	Steel Ramp available on site	0%	0	0	20-Apr-16		35		◆ Steel R	amp available on site (WHS	¦ ;B)	
W1101000	(WHSB)	0 70	U	U	20-Api-10		33				P)	1
WILLO4000	, - ,	00/	0	^	00 4 40		000	1		taireann available an aite (M		
WHS1080	Steel Staircase available on site (WHSB)	0%	0	0	20-Apr-16		898			taircase available on site (W	HSB)	
TWSR-Wes	Steel Staircase available on site (WHSB) tt/ FL Highway N/B Side Se	ction	-			14lun-16				taircase available on site (W	HSB)	
TWSR-Wes WHS1228	Steel Staircase available on site (WHSB) it/ FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head	ction 0%	45	45	20-Apr-16	14-Jun-16	796			taircase available on site (W	HSB)	
TWSR-Wes WHS1228 WHS1260	Steel Staircase available on site (WHSB) it/ FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall	0% 0%	45	45	20-Apr-16 15-Jun-16	20-Jul-16	796 796			taircase available on site (W	HSB)	
TWSR-Wes WHS1228 WHS1260 WHS1930	Steel Staircase available on site (WHSB) tt/ FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head	0% 0% 86.33%	45 30 35	45 30 256	20-Apr-16	20-Jul-16 01-Jun-16	796 796			`		4.4.
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980	Steel Staircase available on site (WHSB) st/ FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side)	0% 0% 0% 86.33%	45 30 35 0	45 30 256 0	20-Apr-16 15-Jun-16 02-Jul-15 A	20-Jul-16 01-Jun-16 01-Jun-16	796 796 0			`	HSB) ◆ 1st half Steel Ramp rea	dy for erect
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990	Steel Staircase available on site (WHSB) tt/ FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp	0% 0% 86.33%	45 30 35	45 30 256	20-Apr-16 15-Jun-16	20-Jul-16 01-Jun-16	796 796 0			`		dy for erect
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fa	Steel Staircase available on site (WHSB) tt/ FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section	0% 0% 86.33% 0% 0%	45 30 35 0	45 30 256 0 60	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16	796 796 0 0			`		dy for erect
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fa	Steel Staircase available on site (WHSB) tt/ FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway	ction 0% 0% 86.33% 0% 0%	45 30 35 0 60	45 30 256 0 60	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16	796 796 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			`		dy for erect
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fo WHS1480 WHS1490	Steel Staircase available on site (WHSB) st/FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work	0% 0% 86.33% 0% 0% 70%	45 30 35 0 60 27 30	45 30 256 0 60	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16	796 796 0 0 0 83			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fa	Steel Staircase available on site (WHSB) tt/ FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway	ction 0% 0% 86.33% 0% 0%	45 30 35 0 60	45 30 256 0 60	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16	796 796 0 0 0 83			`		
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1990 Crossing Fo WHS1480 WHS1490 WHS1500	Steel Staircase available on site (WHSB) tt/FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) 'Construction	0% 0% 86.33% 0% 0% 70%	45 30 35 0 60 27 30	45 30 256 0 60	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16	796 796 0 0 0 83			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing For WHS1480 WHS1490 WHS1500 Clip Road Y Drainage & For	Steel Staircase available on site (WHSB) st/FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) Construction Road Works	70% 0% 0% 86.33% 0% 0%	45 30 35 0 60 27 30	45 30 256 0 60	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16	796 796 0 0 0 83			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing For WHS1480 WHS1490 WHS1500 Clip Road Y Drainage & For	Steel Staircase available on site (WHSB) st/FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) 'Construction Road Works FL Highway S/B Side Section Construct Slip Rd Y @ existing	70% 0% 0% 86.33% 0% 0%	45 30 35 0 60 27 30	45 30 256 0 60	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16	796			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fa WHS1480 WHS1490 WHS1500 Slip Road Y Drainage & F	Steel Staircase available on site (WHSB) It / FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) Construction Road Works FL Highway S/B Side Section Construct Slip Rd Y Construct Slip Rd Y	ction	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16	796			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fa WHS1480 WHS1490 WHS1500 Slip Road Y Drainage & F TWSR-East RDZ41082	Steel Staircase available on site (WHSB) tt/FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) Construction Road Works FL Highway S/B Side Sec Construct Slip Rd Y @ existing TWSR-E junction Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 lane @	ction 0% 86.33% 0% 70% 0% 0% 70% 83.17%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16	796			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing For WHS1480 WHS1490 WHS1490 WHS1490 WHS1500 Slip Road Y Drainage & F TWSR-East RDZ41082 RDZ41084	Steel Staircase available on site (WHSB) st/FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) Construction Road Works FL Highway S/B Side Section TWSR-E junction Construct Slip Rd Y @ existing TWSR-E junction Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 lane @ Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 temp	70% 0% 0% 86.33% 0% 0% 0% 0% 0%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16	796			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fa WHS1480 WHS1490 WHS1500 Slip Road Y Drainage & F TWSR-East RDZ41020 RDZ41082 RDZ41084 Jnderground	Steel Staircase available on site (WHSB) st/FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) Construction Road Works FL Highway S/B Side Section Construct Slip Rd Y @ existing TWSR-E junction Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 lane @ Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 temp to Utility Works	ction 0% 86.33% 0% 70% 0% 0% 70% 83.17%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16	796			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fa WHS1480 WHS1490 WHS1500 Slip Road Y Drainage & F TWSR-East RDZ41020 RDZ41082 RDZ41084 Jnderground	Steel Staircase available on site (WHSB) st/FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) Construction Road Works FL Highway S/B Side Secton Construct Slip Rd Y @ existing TWSR-E junction Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 lane @ Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 temp Utility Works DN900 Watermain Laying DN600 section after DN900	ction 0% 86.33% 0% 70% 0% 0% 70% 83.17%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16	796			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fi WHS1480 WHS1490 WHS1500 Slip Road Y Drainage & F TWSR-East RDZ41020 RDZ41082 RDZ41084 Jnderground DN600 and	Steel Staircase available on site (WHSB) It / FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) Construction Road Works FL Highway S/B Side Section Construct Slip Rd Y @ existing TWSR-E junction Construct Slip Rd Y @ existing TWSR-E junction Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 lane @ Construct Slip Rd Y Utility Works DN900 Watermain Laying DN600 section after DN900 changeover Works Watermain (DN600) changeover for	ction 0% 86.33% 0% 0% 70% 0% 0% 70% 0% 83.17% 81.32%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16 01-Dec-15 A 17-Sep-15 A 11-Nov-15 A	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16	796 796 0 0 0 83 83 83 84 29 1215 40			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fi WHS1480 WHS1490 WHS1500 Slip Road Y Drainage & F TWSR-East RDZ41020 RDZ41082 RDZ41084 Jnderground DN1056 DN1060	Steel Staircase available on site (WHSB) It / FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) Construction Road Works FL Highway S/B Side Section Construct Slip Rd Y @ existing TWSR-E junction Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 lane @ Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 temp B Utility Works DN900 Watermain Laying DN600 section after DN900 changeover Works Watermain (DN600) changeover for TTA stage 4	Ction 0% 86.33% 0% 70% 0% 70% 0% 81.32%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16 01-Dec-15 A 17-Sep-15 A 11-Nov-15 A	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16	796 796 0 0 0 83 83 83 84 29 1215 40			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fa WHS1480 WHS1490 WHS1400 WHS1500 Slip Road Y Drainage & F TWSR-East RDZ41020 RDZ41082 RDZ41084 Jnderground DN600 and DN1056 DN1060	Steel Staircase available on site (WHSB) It / FL Highway N/B Side Se WHSP7 - Pile cap, Pier and Pier Head WHSAB1 - pile cap & abutment wall WHSP4 - Pile cap, Pier and Pier Head 1st half Steel Ramp ready for erection (WHS-TWSR-W side) Erect 1st half ramp anling Highway Section Erect WHS bridge Structure across fanling highway Finishes Work Bridge Structure complete (WHSB-Cross fanling highway) Construction Road Works FL Highway S/B Side Section Construct Slip Rd Y @ existing TWSR-E junction Construct Slip Rd Y @ construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 lane @ Construct Slip Rd Y Utility Works DN900 Watermain Laying DN600 section after DN900 changeover Works Watermain (DN600) changeover for TTA stage 4 5A Construction	Ction 0% 86.33% 0% 70% 0% 70% 0% 81.32%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16 01-Dec-15 A 17-Sep-15 A 11-Nov-15 A	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16	796 796 0 0 0 83 83 83 84 29 1215 40			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing For WHS1480 WHS1490 WHS1490 WHS1490 WHS1500 Slip Road Y Drainage & For TWSR-East RDZ41082 RDZ41082 RDZ41084 Jnderground DN600 and DN1056 DN1060 TO - Wall 76 Retaining WartwSR-East	Steel Staircase available on site (WHSB) Intervention Stair	ction 0% 0% 86.33% 0% 0% 70% 0% 0% tion 79.39% 83.17% 81.32% 56.41% 0%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0 165 202 182	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16 01-Dec-15 A 17-Sep-15 A 11-Nov-15 A	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16 31-May-16	796 796 0 0 83 83 83 83 29 1215 40 23 23			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing Fi WHS1480 WHS1490 WHS1500 Slip Road Y Drainage & FI TWSR-East RDZ41020 RDZ41082 RDZ41084 Jnderground DN600 and DN1056 DN1060 CO - Wall 76 Retaining Wa TWSR-East W76A1050	Steel Staircase available on site (WHSB) Intervention of the control of the cont	Ction 0% 86.33% 0% 70% 0% 70% 0% 81.32%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16 01-Dec-15 A 17-Sep-15 A 11-Nov-15 A	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16	796 796 0 0 0 83 83 83 84 29 1215 40			`	♦ 1st half Steel Ramp rea	
TWSR-Wes WHS1228 WHS1260 WHS1930 WHS1980 WHS1990 Crossing For WHS1480 WHS1490 WHS1500 Slip Road Y Drainage & F TWSR-East RDZ41082 RDZ41082 RDZ41084 Jnderground DN600 and DN1056 DN1060 TO - Wall 76 Retaining Wa TWSR-East W76A1050 anling High	Steel Staircase available on site (WHSB) Intervention of the control of the cont	ction 0% 0% 86.33% 0% 0% 70% 0% 0% tion 79.39% 83.17% 81.32% 56.41% 0%	45 30 35 0 60 27 30 0	45 30 256 0 60 90 30 0 165 202 182	20-Apr-16 15-Jun-16 02-Jul-15 A 02-Jun-16 20-Jan-16 A 24-May-16 01-Dec-15 A 17-Sep-15 A 11-Nov-15 A	20-Jul-16 01-Jun-16 01-Jun-16 12-Aug-16 23-May-16 28-Jun-16 31-May-16 31-May-16 31-May-16	796 796 0 0 83 83 83 83 29 1215 40 23 23			`	♦ 1st half Steel Ramp rea	

P Rev. 3 (Progre	ss Update)(20-Apr-16)				3 N	lonth Rolling	g Prog	ram		Pa	ge 8 of 8 (26-Apr-
ctivity ID	Activity Name	Dur. %		Original	Start	Finish	Total				
		Complete	Duration	Duration			Float	Ann	2016	lun	le de la constantina della con
RDZ41050	Traffic Diversion for FH S/B road construction (Z4 TTA-Stage 4)	0%	6	6	08-Jun-16	15-Jun-16	23	Apr	May	Jun	Jul
RDZ41090	Remove FH central barrier	0%	25	25	16-Jun-16	15-Jul-16	23		 		
RDZ41100	TTA for FH N/B Lane 1, 2, 3 construction (Ch7925-8600)(SA340)	0%	6	6	16-Jul-16	22-Jul-16	23				
Other Wor	ks							-			
Retaining V	Vall W77B										
	st FL Highway S/B Side Sec	tion								1	
RWZ4.1100	Base slab & Wall (0-3m high)- RW77B (Ch 0-40)	0%	59	52	01-Mar-16 A	30-Jun-16	167		 		
RWZ4.1110	Backfilling (0-3m) - RW77B (Ch 0-40)	0%	30	30	02-Jul-16	05-Aug-16	197				
TCSS Work	ks										
TCSS Pre-	-Construction Works										
TCSS0120	Prepare Shop Drawing-TCSS	0%	45	45	20-Apr-16	14-Jun-16	277	[:	
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	15-Jun-16	05-Jul-16	346				
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	06-Jul-16	26-Jul-16	277				
FVMS2 (D	eleted by RFI-138, Pending t	or VO)									
TCSS1640	Slow lane footing - FVMS2 (CH8400, S/B)- Deleted by RFI-138	0%	30	30	16-Jun-16	21-Jul-16	610				

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	Impleme	entation	Status
			Feb 16	Mar 16	Apr 16
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 50m ³ shall be enclosed, covered or dampened during dry or windy conditions.		+	+	V
	Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas.		V	@	V
	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	@	@

Noise – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Impleme	ntation S	tatus
·			Feb 16	Mar 16	Apr 16
Noise during construction	Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant.	During construction	@	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).		N.A.	N.A.	N.A.

Water Quality – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Impleme	ntation S	tatus
			Feb 16	Mar 16	Apr 16
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. 		@	@	@

Waste - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Impleme	entation S	tatus
-			Feb 16	Mar 16	Apr 16
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	@
	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	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	Impleme	entation S	tatus
			Feb 16	Mar 16	Apr 16
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	V	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	Impleme	ntation S	tatus
•		_	Feb 16	Mar 16	Apr 16
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
	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
	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.		#	#	#

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)

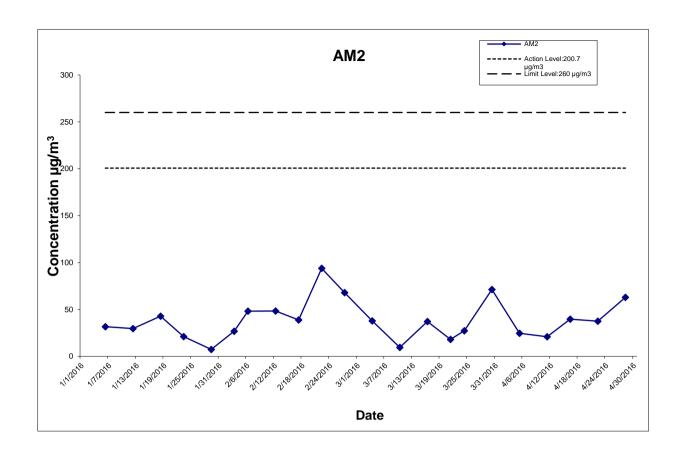
Date	Weather	Air	Atmospheric	Flow Rate	(m³/min.)	Av. flow	Total vol.	Filter W	/eight (g)	Particulate	Elapse	e Time	Sampling	Conc.	Action Level	Limit Level
	Condition	Temp. (°C	Pressure(hPa)	Initial	Final	(m³/min)	(m ³)	Initial	Final	weight(g)	Initial	Final	Time(hrs.)	(µg/m³)	(µg/m ³)	(µg/m ³)
6-Jan-16	Fine	20.9	1018.8	1.314	1.314	1.314	1892.2	2.8890	2.9490	0.0600	6626.03	6650.03	24.00	31.7	200.7	260
12-Jan-16	Fine	17.3	1019.9	1.314	1.314	1.314	1892.2	2.9183	2.9743	0.0560	6650.03	6674.03	24.00	29.6	200.7	260
18-Jan-16	Fine	15.2	1017.1	1.314	1.314	1.314	1892.2	2.8988	2.9798	0.0810	6674.03	6698.03	24.00	42.8	200.7	260
23-Jan-16	Cloudy	8.5	1027.1	1.314	1.314	1.314	1892.2	2.9150	2.9550	0.0400	6698.03	6722.03	24.00	21.1	200.7	260
29-Jan-16	Rainy	16.6	1017.9	1.314	1.314	1.314	1892.2	2.8928	2.9068	0.0140	6722.03	6746.03	24.00	7.4	200.7	260
3-Feb-16	Fine	12.5	1023.6	1.314	1.314	1.314	1892.2	2.8827	2.9335	0.0508	6746.03	6770.03	24.00	26.8	200.7	260
6-Feb-16	Sunny	13.6	1024.9	1.314	1.314	1.314	1892.2	2.8636	2.9546	0.0910	6770.03	6794.03	24.00	48.1	200.7	260
12-Feb-16	Cloudy	19.2	1013.4	1.314	1.314	1.314	1892.2	2.8981	2.9894	0.0913	6794.03	6818.03	24.00	48.3	200.7	260
17-Feb-16	Cloudy	12.9	1024.1	1.314	1.314	1.314	1892.2	2.8231	2.8966	0.0735	6818.03	6842.03	24.00	38.8	200.7	260
22-Feb-16	Cloudy	16.1	1020.6	1.314	1.314	1.314	1892.2	2.8389	3.0164	0.1775	6842.03	6866.03	24.00	93.8	200.7	260
27-Feb-16	Cloudy	15.5	1024.7	1.314	1.314	1.314	1892.2	2.8154	2.9441	0.1287	6866.03	6890.03	24.00	68.0	200.7	260
4-Mar-16	Sunny	20.2	1018.1	1.314	1.314	1.314	1892.2	2.7468	2.8184	0.0716	6890.03	6914.03	24.00	37.8	200.7	260
10-Mar-16	Rainy	13.4	1019.5	1.314	1.314	1.314	1892.2	2.8466	2.8645	0.0179	6914.03	6938.03	24.00	9.5	200.7	260
16-Mar-16	Fine	15.3	1015.0	1.314	1.314	1.314	1892.2	2.8321	2.9023	0.0702	6938.03	6962.03	24.00	37.1	200.7	260
21-Mar-16	Cloudy	17.1	1014.8	1.314	1.314	1.314	1892.2	2.8048	2.8391	0.0343	6962.03	6986.03	24.00	18.1	200.7	260
24-Mar-16	Cloudy	15.3	1020.2	1.314	1.314	1.314	1892.2	2.9065	2.9580	0.0515	6986.03	7010.03	24.00	27.2	200.7	260
30-Mar-16	Cloudy	20.0	1018.3	1.314	1.314	1.314	1892.2	2.8067	2.9416	0.1349	7010.03	7034.03	24.00	71.3	200.7	260
5-Apr-16	Cloudy	22.3	1013.3	1.314	1.314	1.314	1892.2	2.7931	2.8396	0.0465	7034.03	7058.03	24.00	24.6	200.7	260
11-Apr-16	Cloudy	21.5	1010.1	1.314	1.314	1.314	1892.2	2.8907	2.9302	0.0395	7058.03	7082.03	24.00	20.9	200.7	260
16-Apr-16	Cloudy	24.7	1010.5	1.314	1.314	1.314	1892.2	2.8864	2.9614	0.0750	7082.03	7106.03	24.00	39.6	200.7	260
22-Apr-16	Cloudy	23.7	1010.7	1.314	1.314	1.314	1892.2	2.8361	2.9071	0.0710	7106.03	7130.03	24.00	37.5	200.7	260
28-Apr-16	Sunny	26.0	1010.4	1.314	1.314	1.314	1892.2	2.8699	2.9889	0.1190	7130.03	7154.03	24.00	62.9	200.7	260

Average for the reporting quarter (Feb 16 to Apr 16)

Minimum for the reporting quarter(Feb 16 to Apr 16)

Maximum for the reporting quarter(Feb 16 to Apr 16)

93.8



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 whatsover, 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

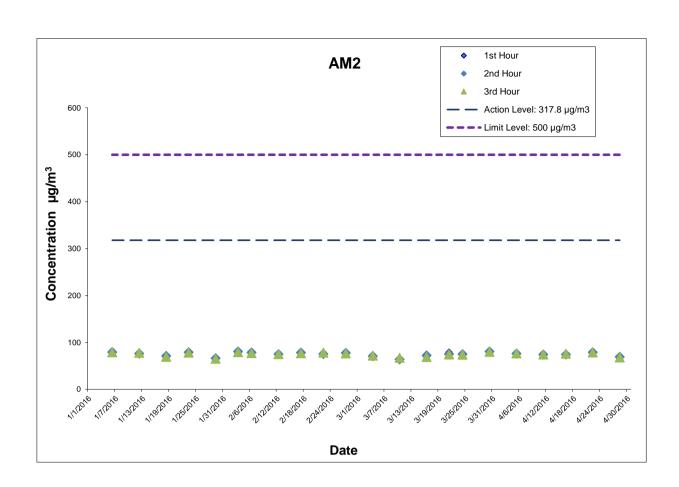


Project No.: 60307376 Date: May-16 Appendix E

Impact Air Quality Monitoring Results

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

Chart datilaria Cadilaria Cadilaria									
	Start	1st Hour	2nd Hour	3rd Hour					
	Time	Conc.	Conc.	Conc.					
Date	(hh:mm)	(µg/m³)	(µg/m³)	(µg/m³)					
6-Jan-16	13:40	81.6	79.4	79.0					
12-Jan-16	10:15	73.8	76.3	77.9					
18-Jan-16	10:00	68.6	71.2	69.4					
23-Jan-16	13:11	78.0	78.9	78.4					
29-Jan-16	10:30	68.2	66.2	65.4					
3-Feb-16	9:35	80.9	80.5	79.4					
6-Feb-16	10:03	77.6	78.5	77.3					
12-Feb-16	9:52	75.6	74.9	75.1					
17-Feb-16	10:02	77.4	78.2	77.1					
22-Feb-16	10:00	77.8	75.3	78.4					
27-Feb-16	12:52	76.2	77.5	76.7					
4-Mar-16	9:50	73.3	70.5	72.1					
10-Mar-16	10:00	65.2	63.8	67.2					
16-Mar-16	10:10	70.6	72.4	68.8					
21-Mar-16	10:05	78.8	75.2	74.4					
24-Mar-16	13:06	74.6	75.1	74.1					
30-Mar-16	13:25	81.2	80.7	79.8					
5-Apr-16	10:02	77.4	76.3	76.5					
11-Apr-16	11:29	73.3	74.4	74.2					
16-Apr-16	9:57	75.6	74.2	76.0					
22-Apr-16	10:15	78.4	79.1	78.5					
28-Apr-16 9:50 68.6 69.2 6									
Average for the reporting quarter (Feb 16 to Apr 16) 75.1									
Minimum for t	he reporting	quarter (Feb 1	16 to Apr 16)	63.8					
Maximum for	the reporting	quarter (Feb	16 to Apr 16)	81.2					



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 whatsover, to any party that uses or relies on this drawing without AECOM's express written consen

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



Project No.: 60307376 Date: May-16 Appendix E

APPENDIX F METEROLOGICAL DATA





OVHK香港政府一站通 繁體版 简体版

SEARCH Enter search keyword(s)

SITE MAP

Home

About us

What's new

Back

Daily Extract of Meteorological Observations , February 2016 - Tai Po

HKO Side Lights										
Our Services			ı	Year 201	6 ▼ Month	2 ▼ Go			1	
Visitors Figures				Гетрега	ture	Mean	Mean		Prevailing	Mean
Press releases	Day	Mean Pressure	Absolute Daily	Mean	Absolute Daily	Dew	Relative	Total Rainfall	Wind	Wind
Today's Weather Warnings		(hPa)	Max	(deg. C)	Min	Point (deg. C)	Humidity (%)	(mm)	Direction (degrees)	Speed (km/h)
Local Weather			(deg. C)	()	(deg. C)		` '			, ,
Observations	01	1023.1#	15.1	11.1#	8.9	9.4#	89#	***	***	***
Weather Forecast	02	1025.1#	9.2	8.4#	6.9	4.9#	79#	***	***	***
Weather Monitoring	03	1024.3	13.5	10.8	8.0	6.7	76	***	***	***
Imagery	04	1022.2	18.9	14.6	11.1	9.7	73	***	***	***
Computer Forecast	05	1021.9	18.4	14.2	11.0	6.3	60	***	***	***
Products	06	1025.8	16.5	13.6	10.9	-4.9	28	***	***	***
MyObservatory	07	1026.6	17.9	13.1	8.0	-7.7	25	***	***	***
Met on Map	08	1024.4	19.1	12.6	7.0	1.4	49	***	***	***
Tropical Cyclones	09	1021.3	21.6	15.1	8.2	6.9	59	***	***	***
Aviation Weather Services	10	1017.9	17.5	16.1	14.1	10.3	69	***	***	***
Marine Meteorological	11	1015.0	22.1	18.3	16.4	16.2	88	***	***	***
Services	12	1013.6	19.7	18.4	17.4	18.1	98	***	***	***
Weather Information for	13	1012.5	26.8	22.0	18.4	20.1	90	***	***	***
Sports	14	1015.2	24.1	20.5	16.2	16.2	78	***	***	***
Weather Information for	15	1025.1	16.2	12.1	9.7	4.5	60	***	***	***
Communities	16	1026.2	13.9	11.4	9.4	3.4	58	***	***	***
China Weather	17	1024.6	13.0	11.6	10.2	7.2	75	***	***	***
World Weather	18	1022.4	14.1	12.8	10.7	11.0	89	***	***	***
Climatological Information	19	1021.0	15.4	14.3	13.4	13.0	92	***	***	***
Services	20	1023.7	19.4	15.1	12.2	8.3	67	***	***	***
> Climate Watch	21	1022.8	15.3	14.7	12.6	9.9	73	***	***	***
> Climate Statistics	22	1021.1	16.8	15.8	14.9	14.5	92	***	***	***
> Climate Prediction	23	1023.2#	15.8	14.2#	12.3	12.8#	92#	***	***	***
> Climate Knowledge	24	1028.2	14.5	12.8	11.4	8.8	77	***	***	***
> Need More	25	1020.2	15.8	13.9	12.3	9.6	76	***	***	***
Information?	26	1029.5	16.6	14.4	12.3	10.7	76	***	***	***
> Global Climate	27							***	***	***
Services		1025.1	19.8	15.5	12.4	11.2	76			
> Other Useful Links	28	1024.2	20.2	15.5	10.3	10.7	74	***	***	***
Climate Forecast	29	1024.9	24.0	17.3	11.2	9.0	61	***	***	***

Climate Change

ELVI. II VI.

El Nino and La Nina

Earthquakes and

Tsunamis

Astronomy, Space

Weather and Geomagnetism

Time and Calendar

Radiation Monitoring,

Assessment and

*** unavailable

data incomplete

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

Protection

Educational Resources

Publications

Media and Information

Services

Audio/Video Webpage

Electronic services

World Meteorological Day

World Meteorological

Organization-Official City

Weather Forecasts

World Meteorological

Organization-Global

Severe Weather

Public forms

Contact & Support

Access to information

Tender notices

Links

Important notices

Personalized Website

Mobile Version

RSS Feeds

Text Only Version

Back



2003 | Important notices | Privacy policy





GOVHK香港政府一站通 繁體版 简体版 SEARCH Enter search keyword(s)

SITE MAP

Home

About us

What's new

Back

HKO Side Lights

Our Services

Visitors Figures

Press releases

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

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

Daily Extract of Meteorological Observations, February 2016 -Tai Mei Tuk

Year 2016 ▼ Month 2 ▼ Go

		Air Temperature			2 V G0					
Day	Mean Pressure (hPa)	Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)	Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)	
01	***	15.0	11.3	9.2	***	***	14.0	060	11.0	
02	***	9.9	8.9	8.1	***	***	0.5	050	7.8	
03	***	14.1	11.3	8.7	***	***	0.0	060	7.8	
04	***	21.0	15.5	11.5	***	***	0.0	150	5.4	
05	***	19.9	14.5	10.9	***	***	0.0	060	13.7	
06	***	17.1	13.4	10.4	***	***	0.0	060	33.2	
07	***	18.6	13.9	9.2	***	***	0.0	050	24.7	
08	***	22.0	13.8	8.9	***	***	0.0	100	7.6	
09	***	23.3	16.0	9.9	***	***	0.0	070	7.6	
10	***	18.5	16.7	13.8	***	***	0.5	070	7.2	
11	***	25.0	19.4	16.7	***	***	0.0	140	8.4	
12	***	20.9	19.1	17.7	***	***	0.5	080	7.2	
13	***	26.3	22.4	19.7	***	***	5.5	120	8.6	
14	***	27.1	21.1	15.1	***	***	0.0	050	10.9	
15	***	15.2	11.7	8.9	***	***	0.5	050	16.4	
16	***	15.4	11.8	9.3	***	***	0.0	040	10.5	
17	***	13.9	11.9	10.6	***	***	0.5	050	10.3	
18	***	15.2	13.1	10.9	***	***	1.0	070	7.1	
19	***	15.8	14.6	13.7	***	***	9.5	060	7.6	
20	***	20.4	15.9	12.2	***	***	2.0	050	17.0	
21	***	15.1	14.7	13.8	***	***	0.0	100	24.7	
22	***	15.4	15.2#	15.0	***	***	0.0#	110#	18.7#	
23	***	13.7	13.0#	12.3	***	***	0.0#	060#	10.0#	
24	***	15.3	13.0	11.3	***	***	0.5	060	11.3	
25	***	17.4	14.5	12.6	***	***	0.0	070	10.6	
26	***	17.9	14.9	13.2	***	***	0.0	060	4.8	
27	***	21.2	16.1	13.3	***	***	0.0	070	6.5	
28	***	23.5	16.6	11.7	***	***	0.0	140	4.3	
29	***	26.2	17.7	12.7	***	***	0.0	060	10.1	

*** unavailable

data incomplete

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

Protection

Educational Resources

Publications

Media and Information

Services

Audio/Video Webpage

Electronic services

World Meteorological Day

World Meteorological

Organization-Official City

Weather Forecasts

World Meteorological

Organization-Global

Severe Weather

Public forms

Contact & Support

Access to information

Tender notices

Links

Important notices

Personalized Website

Mobile Version

RSS Feeds

Text Only Version

Back



2003 | Important notices | Privacy policy





GOVHK香港政府一站通 繁體版 简体版 SEARCH Enter search keyword(s)

Home

What's new

About us

HKO Side Lights

Back

Daily Extract of Meteorological Observations, March 2016 -Tai Po

or 2016 V Month 2 V Co

Our Services				Year 201	6 ▼ Month [3 ▼ Go				
Visitors Figures			Air '	Гетрега	ture	Mean	Mean		Prevailing	Mean
Press releases	Day	Mean Pressure	Absolute	Mean	Absolute	Dew	Relative	Total Rainfall	Wind	Wind
Today's Weather Warnings	Day	(hPa)	Daily Max	(deg. C)	Daily Min	Point (deg. C)	Humidity (%)	(mm)	Direction (degrees)	Speed (km/h)
Local Weather			(deg. C)		(deg. C)					
Observations	01	1025.1	19.1	16.2	14.2	10.6	70	***	***	***
Weather Forecast	02	1024.2	19.1	16.1	13.8	9.6	66	***	***	***
Weather Monitoring	03	1021.2	22.3	17.7	12.9	13.6	78	***	***	***
Imagery	04	1018.3	22.9	19.0	15.7	16.3	84	***	***	***
Computer Forecast	05	1016.9	22.9	20.4	18.7	16.9	81	***	***	***
Products	06	1015.8	25.1	21.1	18.0	18.3	85	***	***	***
MyObservatory	07	1015.1	19.8	18.6	17.3	17.8	95	***	***	***
Met on Map	08	1012.6	19.9	19.4	18.7	18.4	94	***	***	***
Tropical Cyclones	09	1012.6	21.3	20.0	17.1	19.5	97	***	***	***
Aviation Weather Services	10	1020.3	17.4	12.2	8.9	10.7	90	***	***	***
Marine Meteorological	11	1023.5	12.5	10.2	8.5	6.2	76	***	***	***
Services	12	1018.4	14.4	13.0	10.6	10.8	86	***	***	***
Weather Information for	13	1015.0	16.5	15.5	14.1	14.9	96	***	***	***
Sports	14	1018.6	15.6	14.4	12.6	11.2	81	***	***	***
Weather Information for	15	1017.7	15.3	14.2	13.4	10.7	80	***	***	***
Communities	16	1015.1#	16.0	15.2#	13.7	13.6#	91#	***	***	***
China Weather	17	1014.6	17.5	16.5	15.6	15.8	96	***	***	***
World Weather	18	1012.2	19.9	18.6	17.1	18.2	98	***	***	***
Climatological Information Services	19	1013.2#	23.2	20.5#	18.7	20.1#	97#	***	***	***
> Climate Watch	20	1014.9	21.5	18.9	17.7	17.2	90	***	***	***
> Climate Statistics	21	1015.0	18.4	17.2	16.5	16.3	95	***	***	***
> Climate Prediction	22	1013.6	17.6	16.7	15.9	15.9	95	***	***	***
	23	1013.1	19.5	18.1	17.1	17.7	98	***	***	***
> Climate Knowledge	24	1020.6	18.0	15.1	12.5	14.3	95	***	***	***
> Need More Information?	25	1024.3	16.1	13.2	10.9	8.1	73	***	***	***
	26	1023.9	20.3	14.6	9.1	8.3	68	***	***	***
> Global Climate Services	27	1024.5	21.2	16.0	11.7	7.5	59	***	***	***
> Other Useful Links	28	1024.5	19.1	15.6	12.0	8.1	63	***	***	***
Climate Forecast	29	1021.8	20.1	17.1	13.2	9.9	64	***	***	***
Climate Change	30	1018.6	22.1	19.2	17.7	16.3	84	***	***	***
El Nino and La Nina	31	1015.4	24.5	20.4	17.6	18.8	90	***	***	***

*** unavailable

data incomplete

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

Earthquakes and

Tsunamis

Astronomy, Space

Weather and

Geomagnetism

Time and Calendar

Radiation Monitoring,

Assessment and

4/11/2016

Protection

Educational Resources

Publications

Media and Information

Services

Audio/Video Webpage

Electronic services

World Meteorological Day

World Meteorological

Organization-Official City

Weather Forecasts

World Meteorological

Organization-Global

Severe Weather

Public forms

Contact & Support

Access to information

Tender notices

Links

Important notices

Personalized Website

Mobile Version

RSS Feeds

Text Only Version

Back



2003 | Important notices | Privacy policy



GOVHK香港政府一站通 繁體版 简体版 SEARCH Enter search keyword(s)

SITE MAP

Home

What's new

Back About us

HKO Side Lights

Our Services

Visitors Figures Press releases

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

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

Assessment and

Radiation Monitoring,

Daily Extract of Meteorological Observations, March 2016 -Tai Mei Tuk

Year 2016 ▼ Month 3 ▼ Go

		Air '	Гетрега	ture					
Day	Mean Pressure (hPa)	Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)	Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
01	***	21.7	16.4	13.7	***	***	0.0	110	14.8
02	***	21.5	16.4	13.3	***	***	0.0	100	14.3
03	***	24.9	18.5	14.1	***	***	0.0	090	6.0
04	***	25.3	20.0	16.6	***	***	0.0	070	5.5
05	***	25.6	21.1	18.9	***	***	0.0	080	5.5
06	***	27.0	21.9	18.6	***	***	0.0	280	4.0
07	***	20.7	19.0	18.3	***	***	1.0	080	6.7
08	***	20.7	19.6	18.8	***	***	0.0	070	6.9
09	***	22.2	20.2	16.5	***	***	12.0	080	8.6
10	***	16.6	12.1	8.6	***	***	17.0	060	15.4
11	***	13.8	10.6	8.5	***	***	0.0	050	9.3
12	***	14.3	13.1	11.1	***	***	0.5	050	15.7
13	***	17.0	15.7	14.1	***	***	6.0	100	8.2
14	***	16.5	14.8	13.0	***	***	0.0	050	12.3
15	***	15.4	14.2	13.4	***	***	0.5	060	16.0
16	***	16.3	15.2	14.0	***	***	2.0	070	12.9
17	***	17.5	16.5	15.8	***	***	6.5	130	6.8
18	***	22.0	19.4	17.2	***	***	0.0	080	4.3
19	***	25.9	22.0	19.4	***	***	2.5	080	4.5
20	***	22.6	18.7	17.4	***	***	0.5	090	18.8
21	***	18.0	17.2	16.7	***	***	60.0	090	14.2
22	***	17.2	16.6	15.8	***	***	4.0	100	14.0
23	***	20.4	18.3	17.2	***	***	11.0	140	6.2
24	***	17.8	14.8	11.9	***	***	24.5	050	19.1
25	***	16.1	13.4	11.1	***	***	1.0	050	10.8
26	***	22.1	15.4	10.6	***	***	0.0	140	7.7
27	***	22.3	16.8	11.5	***	***	0.0	070	13.4
28	***	21.2	16.3	12.6	***	***	0.0	090	12.8
29	***	23.5	17.8	13.9	***	***	0.0	080	6.0
30	***	24.0	19.9	18.0	***	***	0.5	070	4.9
31	***	27.2	21.5	18.1	***	***	0.0	270	3.6

*** unavailable

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

4/11/2016

Protection

Educational Resources

Publications

Media and Information

Services

Audio/Video Webpage

Electronic services

World Meteorological Day

World Meteorological

Organization-Official City

Weather Forecasts

World Meteorological

Organization-Global

Severe Weather

Public forms

Contact & Support

Access to information

Tender notices

Links

Important notices

Personalized Website

Mobile Version

RSS Feeds

Text Only Version

Back



2003 | Important notices | Privacy policy





SEARCH Enter search keyword(s)

Home

What's new About us

Daily Extract of Meteorological Observations, April 2016 - Tai Po

About us										
HKO Side Lights			Y	ear 2016	Month [4 V Go				
Our Services			Air T	empera	iture	Mean	Mean		Prevailing	Mean
Visitors Figures	Day	Mean Pressure	Absolute	Mean	Absolute	Dew	Relative	Total Rainfall	Wind	Wind
Press releases	Day	(hPa)	Daily Max	(deg.	Daily Min	Point (deg. C)	Humidity (%)	(mm)	Direction (degrees)	Speed (km/h)
Today's Weather			(deg. C)	C)	(deg. C)	(deg. c)	(70)		(degrees)	(((((((((((((((((((((((((((((((((((((((
Warnings	01	1014.6	25.0	21.4	19.6	19.5	89	***	***	***
Local Weather	02	1015.7	23.5#	21.2	20.0#	19.6	91	***	***	***
Observations	03	1014.5	24.9#	22.4	20.5#	20.6	90	***	***	***
Weather Forecast	04	1012.4	29.1	23.2	21.0	21.2	89	***	***	***
Weather Monitoring	05	1013.4	23.6#	21.7	19.9#	20.8	94	***	***	***
Imagery	06	1013.2	25.2#	22.9	21.3#	21.3	91	***	***	***
Computer Forecast	07	1013.3	24.5#	23.0	21.9#	22.0	94	***	***	***
Products	08	1013.1	29.0	25.1	22.6	22.5	86	***	***	***
MyObservatory	09	1011.3	28.0	25.3	23.7	22.9	87	***	***	***
Met on Map	10	1009.1	26.2	22.9	20.8	21.5	92	***	***	***
Tropical Cyclones	11	1010.1	22.2	21.3	20.5	19.8	91	***	***	***
Aviation Weather	12	1009.2	20.9#	20.3	19.8#	19.0	92	***	***	***
Services	13	1005.5	22.9	21.3	20.7	21.1	99	***	***	***
Marine Meteorological	14	1008.5	23.0	22.1	21.1	22.1	100	***	***	***
Services	15	1011.3	22.9#	21.1	20.3#	20.7	97	***	***	***
	16	1010.3	28.3	24.3	20.7	22.4	90	***	***	***
Weather Information for Sports	17	1010.7	28.5#	25.6	23.2#	23.6	89	***	***	***
	18	1014.5	26.7	22.5	20.3	20.2	87	***	***	***
Weather Information for	19	1017.5	21.2	20.4	19.2	17.4	83	***	***	***
Communities	20	1014.6	22.9	21.5	20.1	19.5	89	***	***	***
China Weather	21	1012.4	26.6	23.2	20.9	22.0	93	***	***	***
World Weather	22	1010.5	25.2	22.6	20.4	21.5	94	***	***	***
Climatological Information	23	1008.0	27.8	24.2		22.4	90	***	***	***
Services	24	1008.5	26.7	23.8	22.3	22.6	93	***	***	***
> Climate Watch	25	1009.5	30.4	25.6	22.8	24.0	91	***	***	***
> Climate Statistics	26	1009.1	29.9	27.3	25.3	24.3	84	***	***	***
> Climate Prediction	27	1007.8	30.6	26.5	23.8	24.1	87	***	***	***
> Climate Knowledge	28	1010.3	28.4#	25.9	24.0#	22.0	80	***	***	***
> Need More	29	1013.8	24.6	23.8	22.9	18.9	75	***	***	***
> INGERT INDIG	30	1012.2	22.8	22.1	20.3	18.2	79	^^^	^^^	_ ^^^

> Global Climate

*** unavailable # data incomplete

> Other Useful Links

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

Climate Forecast Climate Change

Information?

Services

2003 | Important notices | Privacy policy

El Nino and La Nina

Earthquakes and

Tsunamis

Astronomy, Space

Weather and

Geomagnetism

Time and Calendar

Radiation Monitoring,

Assessment and

Protection

Educational Resources

Publications

Media and Information

Services

Audio/Video \	Webpage
---------------	---------

Electronic services

World Meteorological Day

World Meteorological

Organization-Official City

Weather Forecasts

World Meteorological

Organization-Global

Severe Weather

Public forms

Contact & Support

Access to information

Tender notices

Links

Important notices

Personalized Website

Mobile Version

RSS Feeds

Text Only Version

Back







Home

What's new About us

Back

Daily Extract of Meteorological Observations, April 2016 - Tai Mei Tuk

HKO Side Lights			Y	ear 2016	Month	4 V Go				
Our Services			Air	Гетрега	iture					
Visitors Figures Press releases Today's Weather	Day	Mean Pressure (hPa)	Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)	Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
Warnings	01	***	26.5#	22.0	19.7#	***	***	0.0	080	7.3
Local Weather	02	***	25.1#	21.6	20.1#	***	***	0.0	070	6.7
Observations	03	***	28.0#	23.1	21.0#	***	***	0.0	070	6.0
Weather Forecast	04	***	29.4#	23.7	20.9#	***	***	20.5	060	6.3
Weather Monitoring	05	***	25.4	22.3	20.4	***	***	0.5	080	6.8
Imagery	06	***	28.0#	23.5	21.1#	***	***	0.0	080	9.4
Computer Forecast	07	***	26.5	23.5	22.2	***	***	0.0	070	7.2
Products	08	***	29.9	25.6	22.8	***	***	0.0	070	6.8
MyObservatory	09	***	28.6#	25.6	24.0#	***	***	0.0	070	6.2
Met on Map	10	***	26.4	22.9	21.0	***	***	39.5	060	10.3
'	11	***	22.7#	21.2	20.2#	***	***	0.0	080	14.8
Tropical Cyclones	12	***	21.3#	20.3	19.8#	***	***	12.5	100	14.0
Aviation Weather	13	***	23.1	21.7	21.1	***	***	50.5	090	8.3
Services	14	***	23.9	22.7	21.5	***	***	3.5	080	5.5
Marine Meteorological	15	***	23.4	21.1	20.4	***	***	3.5	080	10.4
Services	16	***	29.1	24.5	20.5	***	***	0.0	260	9.9
Weather Information for	17	***	27.8#	25.8	24.0#	***	***	0.0	070	7.5
Sports	18	***	27.1#	22.8	20.2#	***	***	16.0	080	11.8
Weather Information for	19	***	20.9	20.1	19.3	***	***	0.0	110	20.7
Communities	20	***	23.7	21.8	20.1	***	***	0.0	080	10.3
China Weather	21	***	28.2#	24.2#	21.5#	***	***	0.0	140	4.2
World Weather	22	***	***	***	***	***	***	9.0	280	5.4
Climatological Information	23	***	***	***	***	***	***	0.5	070	6.3
Services	24	***	24.8#	24.1#	23.6#	***	***	12.0	070	5.0
> Climate Watch	25	***	30.7	26.0	23.6	***	***	2.5	070	4.9
> Climate Statistics	26	***	28.9	27.3	25.9	***	***	1.0	260	10.8
	27	***	30.2	27.0	23.8	***	***	23.5	280	5.5
> Climate Prediction	28	***	29.1#	26.0	22.8#	***	***	0.0	070	9.2
> Climate Knowledge	29	***	25.9	23.8	22.3	***	***	0.0	100	18.5
> Need More	30	***	23.3	22.2	20.1	***	***	4.0	110	14.4
Information?										

> Global Climate Services

*** unavailable # data incomplete

> Other Useful Links

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

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

Media and Information

Services

Audio/Video W	ebpage
---------------	--------

Electronic services

World Meteorological Day

World Meteorological

Organization-Official City

Weather Forecasts

World Meteorological

Organization-Global

Severe Weather

Public forms

Contact & Support

Access to information

Tender notices

Links

Important notices

Personalized Website

Mobile Version

RSS Feeds

Text Only Version

Back



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

Location : M2 (West Tai Wo - Free Field)

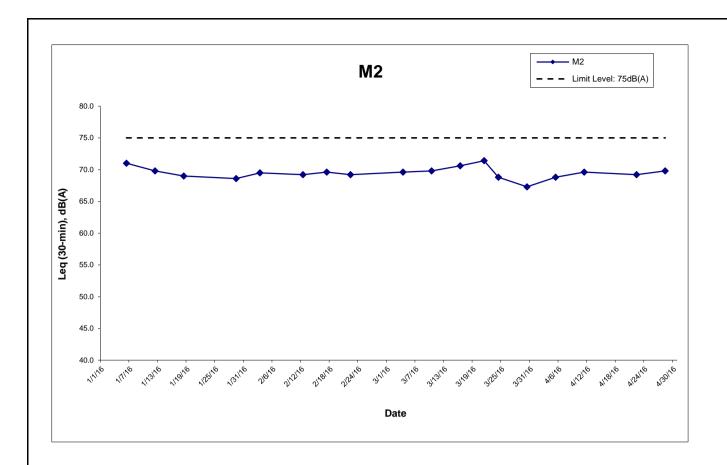
Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

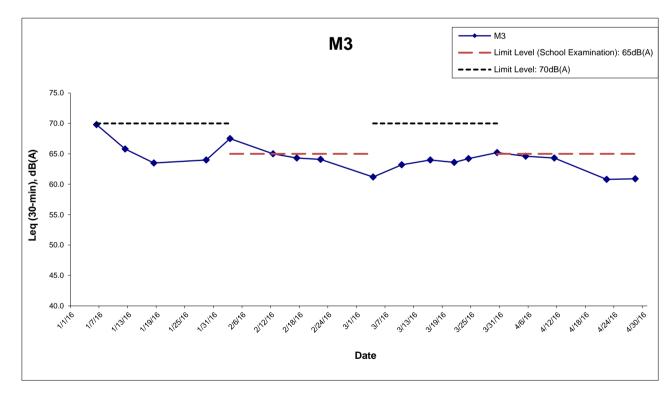
	Mea	sured Noise Le	Limit Level,	Exceedance		
Date	Start Time	Leq*	L10*	L90*	dB(A)	(Y/N)
6-Jan-16	14:06	71.0	73.1	69.5	75	N
12-Jan-16	11:20	69.8	71.5	67.5	75	N
18-Jan-16	10:50	69.0	71.5	66.5	75	N
29-Jan-16	11:10	68.6	71.2	63.4	75	N
3-Feb-16	14:40	69.5	71.3	67.5	75	N
12-Feb-16	10:36	69.2	71.1	66.0	75	N
17-Feb-16	10:48	69.6	71.1	68.9	75	N
22-Feb-16	10:06	69.2	74.0	66.4	75	N
4-Mar-16	10:45	69.6	71.5	67.4	75	N
10-Mar-16	11:05	69.8	73.4	65.9	75	N
16-Mar-16	11:00	70.6	74.8	67.5	75	N
21-Mar-16	10:10	71.4	74.5	67.2	75	N
24-Mar-16	11:19	68.8	70.1	64.6	75	N
30-Mar-16	15:49	67.3	69.8	72.9	75	N
5-Apr-16	11:00	68.8	70.4	64.9	75	N
11-Apr-16	10:02	69.6	72.4	65.2	75	N
22-Apr-16	11:15	69.2	71.4	65.4	75	N
28-Apr-16	10:35	69.8	72.0	68.5	75	N
Minimum for Feb 16 to Apr 16		67.3	69.8	64.6		
Maximum for Feb 16 to Apr 16		71.4	74.8	72.9		
Average for Feb 16 to Apr 16		69.5	72.0	67.0		

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

	Measured Noise Level for 30-min, dB(A)				Limit Level,	Exceedance
Date	Start Time	Leq	L10	L90	dB(A)^	(Y/N)
6-Jan-16	14:50	69.8	71.6	65.9	70	N
12-Jan-16	10:22	65.8	67.0	63.0	70	N
18-Jan-16	10:00	63.5	65.0	60.0	70	N
29-Jan-16	10:30	64.0	67.9	60.5	70	N
3-Feb-16	15:50	67.5	69.7	65.3	70	N
12-Feb-16	9:53	65.0	66.1	63.7	65	N
17-Feb-16	10:02	64.3	66.1	62.7	65	N
22-Feb-16	11:00	64.1	67.9	61.5	65	N
4-Mar-16	9:50	61.2	62.5	57.5	70	N
10-Mar-16	10:10	63.2	66.8	59.6	70	N
16-Mar-16	10:10	64.0	67.6	60.2	70	N
21-Mar-16	11:10	63.6	67.5	60.2	70	N
24-Mar-16	13:00	64.2	66.3	62.0	70	N
30-Mar-16	16:40	65.2	67.9	71.4	70	N
5-Apr-16	10:02	64.6	65.7	61.4	65	N
11-Apr-16	11:29	64.3	66.0	60.5	65	N
22-Apr-16	10:20	60.8	62.6	59.4	65	N
28-Apr-16	9:50	60.9	62.0	58.5	65	N
Minimum for Feb 16 to Apr 16		60.8	62.0	57.5		
Maximum for Feb 16 to Apr 16		67.5	69.7	71.4		
Average for Feb 16 to Apr 16		63.8	66.1	61.7		

^{* +3}dB(A) Façade effect correction included ^ Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period.





Remark:

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

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 on responsibility, and denies any liability whatsower, 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

AECOM

Graphical Presentation of Impact Daytime Construction Noise Monitoring Results

Project No.: 60307376 Date: May-16 Appendix G

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

Appendix H
Statistics on Complaints, Notifications of Summons and Successful Prosecutions

	Date Received	Subject	Status	Total no. followed up by the ET this reporting period	Total no. followed up by the ET since project commencement
Environmental	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	5
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		

Date Received	Subject	Status	Total no. followed up by the ET this reporting period	Total no. followed up by the ET since project commencement
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. 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.	Closed		
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		

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