

Environmental Protection Department

Contract No. HY/2012/06

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

**Quarterly EM&A Report
for August to October 2014**

[11/2014]

	Name	Signature
Prepared & Checked:	Joanne Ko	
Reviewed & Approved:	Y W Fung	

Version:	Rev. 0	Date: 21 November 2014
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21 November 2014
By Fax (2805 5028) & Post

Dear Sir,

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/B
Quarterly EM&A Summary Report for August 2014 to October 2014 for the portion of Stage 2 works under Contract No. HY/2012/06**

We refer to the Quarterly EM&A Summary Report for August 2014 to October 2014 for the Project received on 19 and 21 November 2014 submitted by ET via email. We confirm we have no comment.

Yours faithfully
for MOTT MACDONALD HONG KONG LIMITED



Terence Kong
Independent Environmental Checker

c.c. HyD – Mr. Chung Lok Chin / Mr. Tang Man Kai (Fax: 2714 5198)
AECOM – Mr. Y W Fung (Fax:2891 0305)

TABLE OF CONTENTS

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

List of Appendices

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

EXECUTIVE SUMMARY

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

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

The construction works for this Project will be delivered in 2 stages i.e. Stage 1 (between Island House Interchange and Tai Hang) and Stage 2 (between Tai Hang and Wo Hop Shek Interchange). Stage 2 would be implemented under 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/A) 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 August 2014 and 31 October 2014. As informed by the Contractor, construction activities in the reporting period were:-

- Site clearance;
- Ground investigation;
- Tree felling and transplanted;
- Piling works;
- Pipe laying;
- Retaining wall construction;
- Excavation;
- Backfilling;
- Drainage;
- Temporary bridge construction;
- Noise barrier construction;
- Houses demolition; and
- Bridge demolition.

Reporting Change

There was no reporting change required in the reporting period.

Breaches of Action and Limit Levels for Air Quality

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

Breaches of Action and Limit Levels for Noise

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

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	Terence Kong	2828 5919	2827 1823
Contractor (China State Construction Engineering (Hong Kong) Limited)	Environmental Officer	Michael Tsang	9277 4956	2672 2501
		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;
- Tree felling and transplanted;
- Piling works;
- Pipe laying;
- Retaining wall construction;
- Excavation;
- Backfilling;
- Drainage;
- Temporary bridge construction;
- Noise barrier construction;
- Houses demolition; and
- Bridge demolition.

- 1.3.2 The general layout plan of the Project site showing the contract areas is shown in Figure 1.1.
- 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 sunny, with several fine, cloudy 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 ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
AM2 (Fanling Government Secondary School)	74.4	61.7 – 89.6	317.8	500

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

Location	Average ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
AM2 (Fanling Government Secondary School)	30.1	0.2 – 59.9	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*	69.7	66.8 – 72.6	75
M3#	64.1	60.1 – 67.5	65/70

*+3dB(A) Façade correction included

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

- 4.1.3 The major noise sources during the noise monitoring included nearby road traffic noise.
- 4.1.4 No Action or Limit Level exceedance of construction noise was recorded in the reporting period. No noise complaints related to 0700 – 1900 hours on normal weekdays was received and followed by 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, 3,666 m³ of inert C&D material was disposed of as public fill to Tuen Mun 38 (of which 0m³ was broken concrete), while 280 m³ of general refuse was disposed of at NENT landfill. 203 kg of paper/cardboard packaging, 0 kg of plastics and 17 kg of metals were collected by recycling contractors in the reporting period. 2,105 m³, 553 m³, and 1,008 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.

Table 5.1 Summary of Waste Flow Table

Waste Type	Actual Amount	Disposal/Reuse Locations
Inert C&D materials	3,666 m ³ (of which 0m ³ was broken concrete)	Tuen Mun 38
General refuse	280 m ³	NENT Landfill
Paper/cardboard packaging	203 kg	Recycling Contractors
Plastics	0kg	Recycling Contractors
Metals	17kg	Recycling Contractors
C&D materials reused on site	2,105 m ³	Site Area
C&D materials reused in other projects	553 m ³	Other projects
C&D materials reused in NENT for backfilling	1,008 m ³	NENT Landfill
Chemical wastes	0kg	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 All construction noise monitoring results complied with the Action / Limit Levels in the reporting quarter.

7 SUMMARY OF COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS

- 7.1.1 One (1) air-related complaint was received on 23 October 2014 and followed up by the Environmental Team in the reporting period. The full complaint investigation report is annexed in Appendix M of the Monthly EM&A Report for October 2014.
- 7.1.2 No notification of summons and successful prosecution was received in the reporting period.
- 7.1.3 The statistics on complaints, notifications of summons and successful prosecutions are summarized in Appendix H.
- 7.1.4 A 24-hour complaint hotline at 6628 8366 has been established for the Project. The hotline number is displayed at the site entrances, fencings and project signboards, as well as printed on publications such as newsletters for the public.

8 COMMENTS, RECOMMENDATIONS AND CONCLUSIONS

8.1 Comments

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

Air Quality Impact

- 8.1.2 The Contractor should maintain effective wheel washing facilities and clear the mud trails left on public road.
- 8.1.3 The Contractor should spray the stockpiles with water or cover them entirely by tarpaulin sheets for dust suppression.
- 8.1.4 The Contractor was reminded to spray water on main haul roads to maintain the surfaces wet and suppress dust. (Reminder)

Construction Noise Impact

- 8.1.5 The Contractor should further wrap the upper part of the breaker with absorptive materials to minimize noise generation.

Water Quality Impact

- 8.1.6 The Contractor was reminded to divert muddy water to desilting facilities prior to discharge. (Reminder)
- 8.1.7 The Contractor should clear the muddy water and add sand bundings near the site boundary to prevent the discharge of muddy water when necessary.

Chemical and Waste Management

- 8.1.8 The Contractor was reminded to use absorptive materials to soak leaked oil, if any, when maintaining the power pack. (Reminder)
- 8.1.9 The Contractor should clear oil stains on the ground and prevent oil leakage to air, soil and water bodies.
- 8.1.10 The Contractor should provide drip trays to chemicals and generator to prevent any oil leakage.
- 8.1.11 The Contractor should clear the general refuse regularly to maintain site hygiene.

Landscape and Visual Impact

- 8.1.12 No adverse observation was identified in the reporting month.

Miscellaneous

- 8.1.13 The Contractor should clear the stagnant water to prevent mosquito breeding.

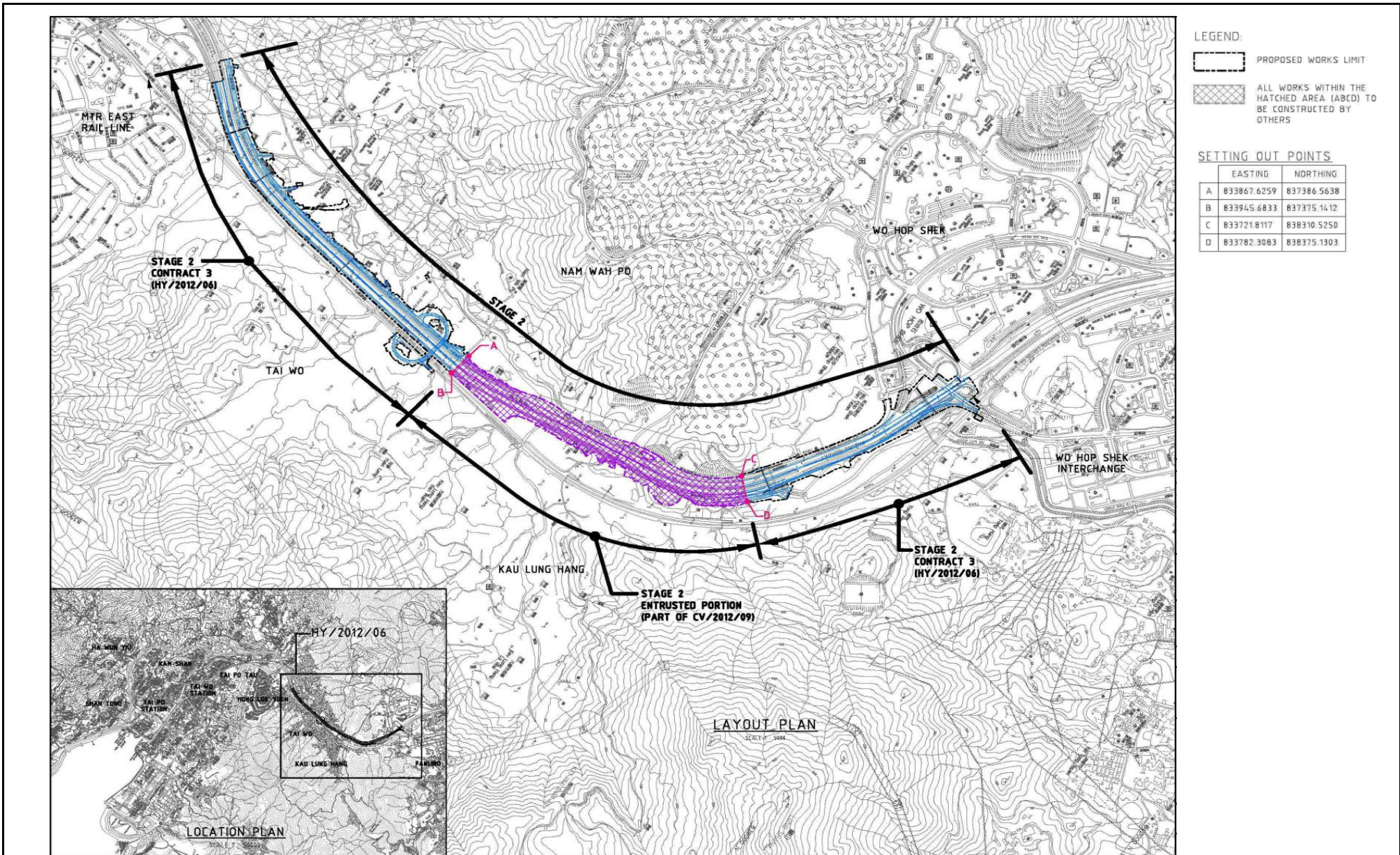
8.2 Recommendations

- 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 All construction noise monitoring results complied with the Action / Limit Levels in the reporting quarter.
- 8.3.3 One (1) air-related complaint was received on 23 October 2014 and followed up by the Environmental Team in the reporting period. The full complaint investigation report is annexed in Appendix M of the Monthly EM&A Report for October 2014.
- 8.3.4 No notification of summons and successful prosecution was received in the reporting period.

FIGURES



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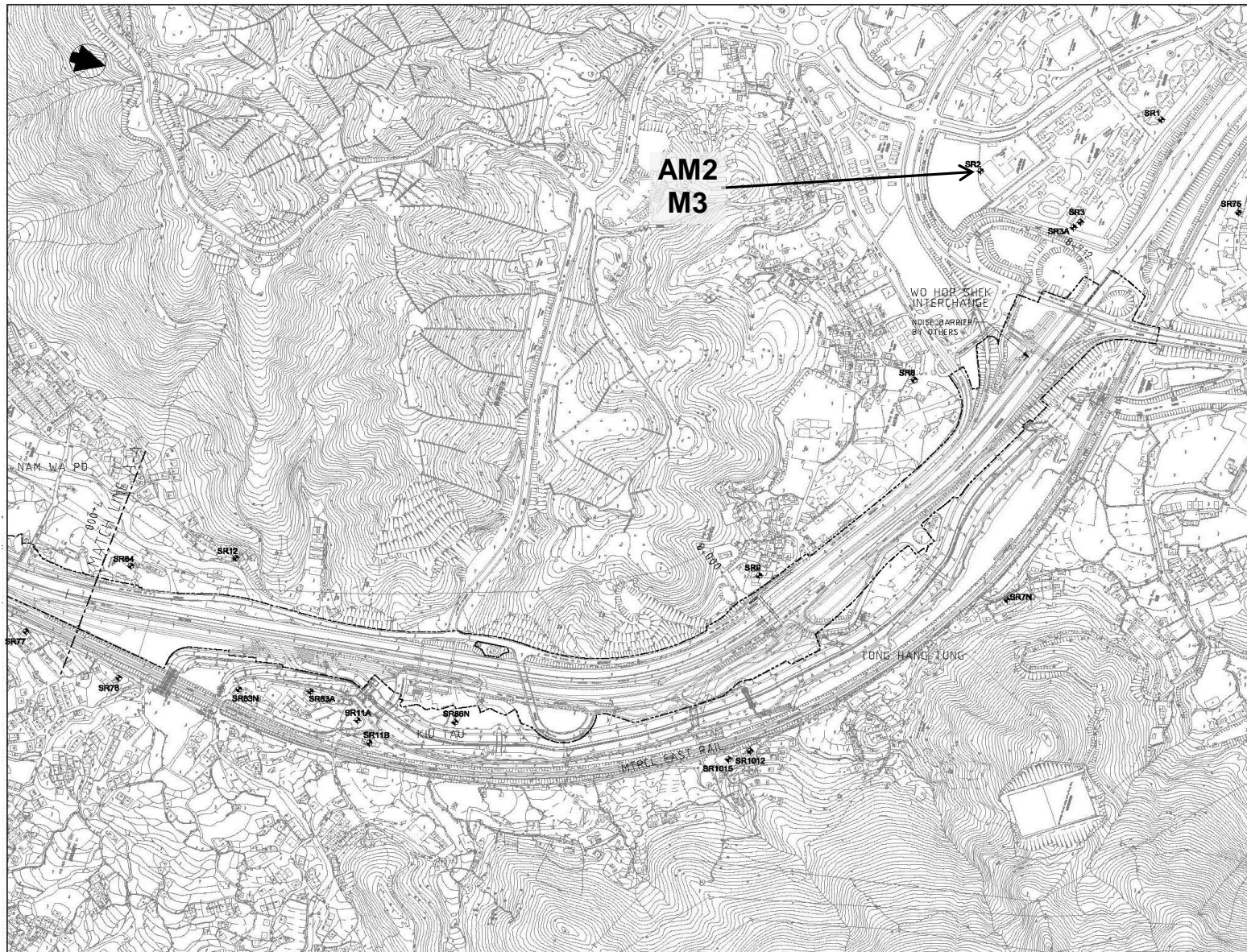
CONTRACT NO. HY/2012/06
 WIDENING OF FANLING HIGHWAY
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Layout Plan

Date: Dec 2013

Figure 1.1



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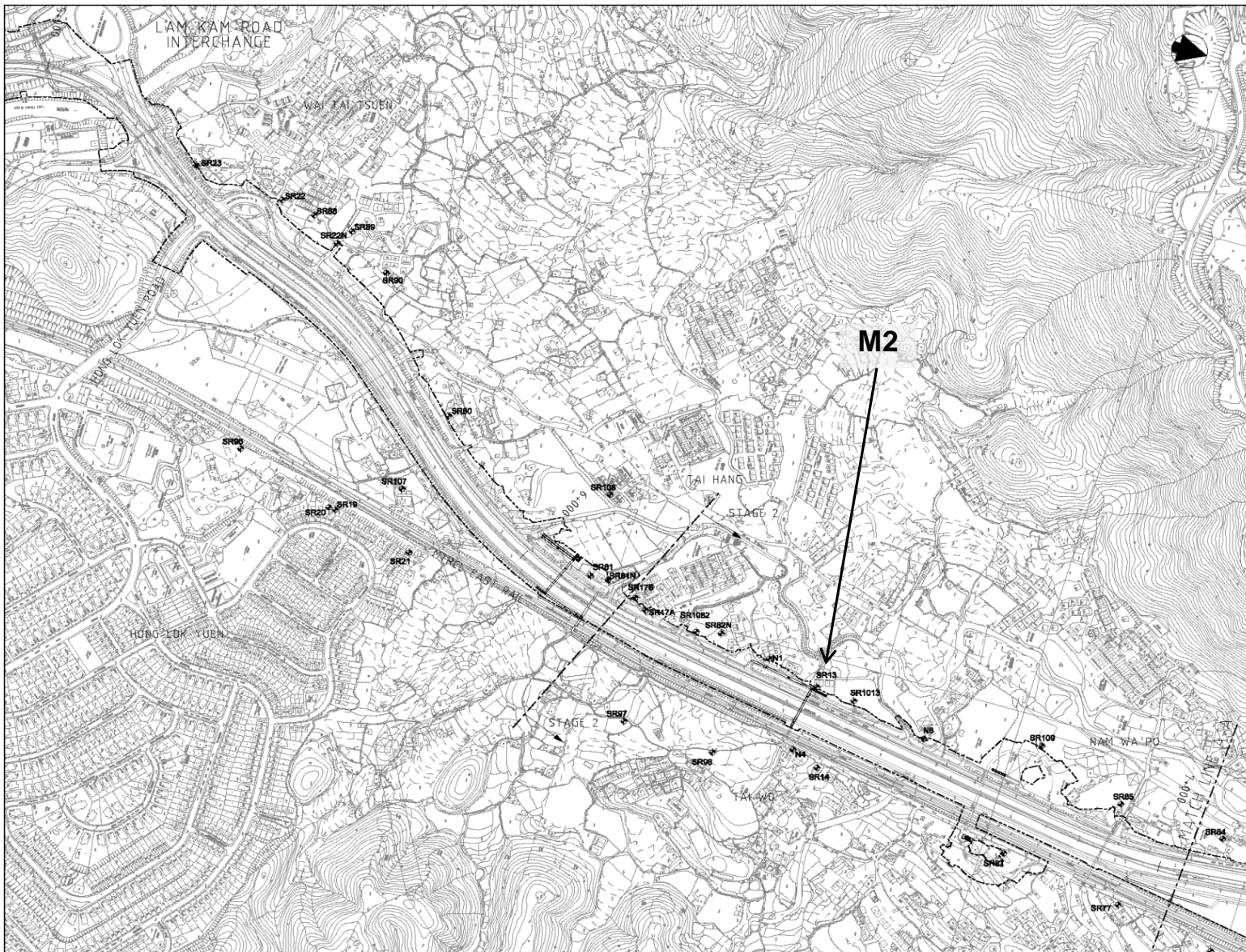
CONTRACT NO. HY/2012/06
 WIDENING OF FANLING HIGHWAY
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Locations of Monitoring Station

Date: Dec 2013

Figure 1.2a



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

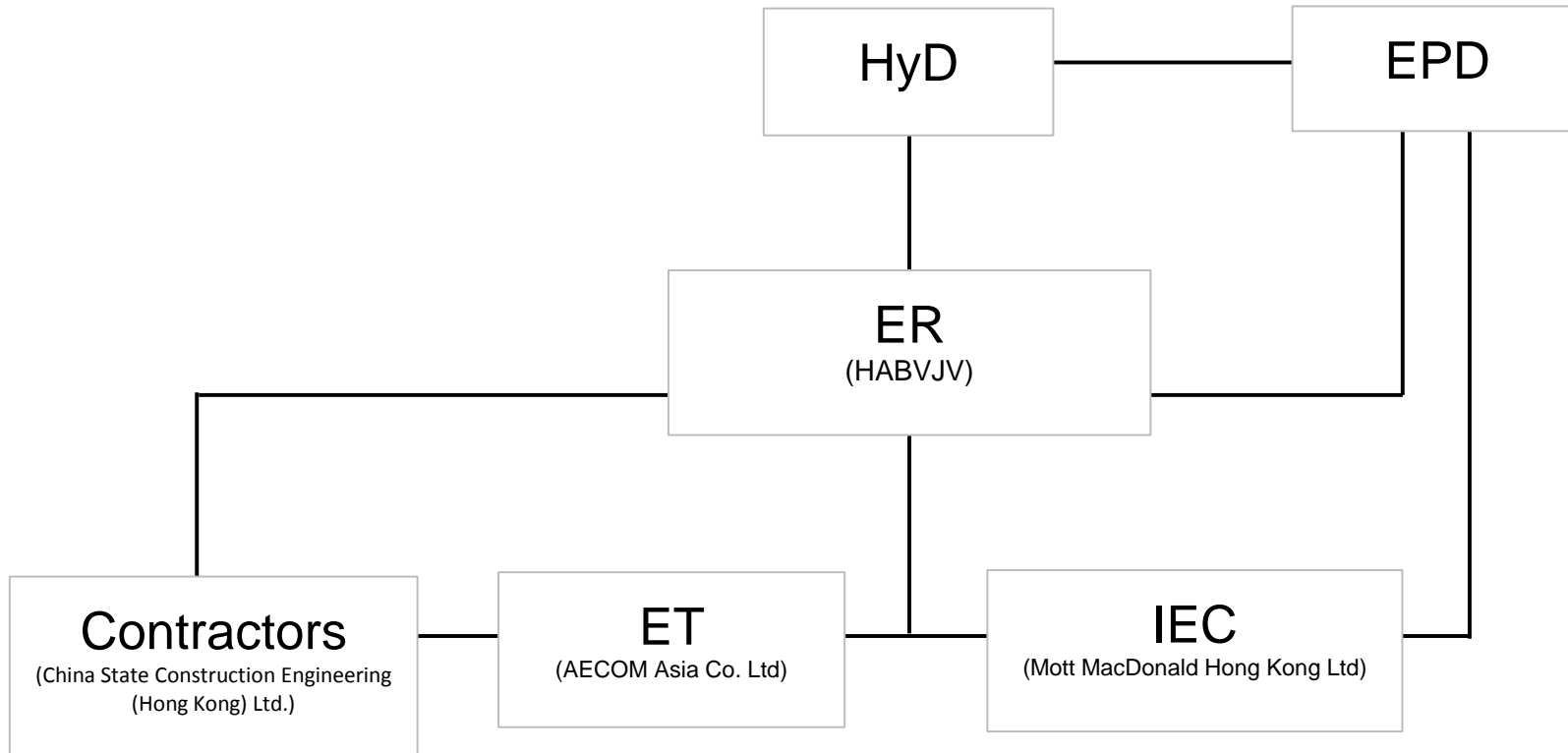


Locations of Monitoring Station

Date: Dec 2013

Figure 1.2b

**APPENDIX A
PROJECT ORGANIZATION STRUCTURE**



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



Project Organization Structure

**APPENDIX B
CONSTRUCTION PROGRAMMES**

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014				
								Aug	Sep	Oct	Nov	
Contract Condition												
General												
Contract Condition												
POSSA310	Site Area SA 310 (395d)	0%	0	0	20-Aug-14*		-4		◆ Site Area SA 310 (395d)			
POSSA320	Site Area SA320 (0d)	0%	0	0	25-Aug-14*		0		◆ Site Area SA320 (0d)			
POSSA323	Site Area SA323 (360d)	0%	0	0	30-Sep-14*		0			◆ Site Area SA323 (360d)		
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Aug-14*		-38		◆ Site Area SA323A (360d) (not required)			
POSSA323B	Site Area SA323B (360d)	0%	0	0	29-Aug-14*		0		◆ Site Area SA323B (360d)			
POSSA325	Site Area SA325 (180d)	0%	0	0	25-Aug-14*		0		◆ Site Area SA325 (180d)			
POSSA326	Site Area SA326 (180d)	0%	0	0	25-Aug-14*		0		◆ Site Area SA326 (180d)			
POSSA328	Site Area SA328 (90d)	0%	0	0	29-Aug-14*		0		◆ Site Area SA328 (90d)			
Z1.1000	Instruction by The Engineer to Commence Work (Section Subject	0%	0	0		14-Sep-14	0		◆ 14-Sep-14* ◆ Instruction by The Engineer to Commence Work (Section			
Partial Possession Status												
Contract Condition												
Contract Condition												
POSSA320-140	SA320/ 323	0%	0	0	25-Aug-14		-8		◆ SA320/ 323			
POSSA320-180	SA320/ 326	0%	0	0	25-Aug-14		-112		◆ SA320/ 326			
ZONE 1 (Ch. 5640 to 5880)												
Noise Barrier Along TWSR-West and Laying New Utilities												
Site Clearance & Demolition of Existing Structure												
General												
ADVZ10100	Site clearance (Additional Transplant - pending for VO)	6.67%	28	30	30-May-14 A	22-Sep-14	58					
NB42 (Ch.5640-5740)-TWSR West Side												
Noise Barrier Works												
NB00110	NB42 (Ch5640-5740) - Footing & Wall Structure	0%	45	45	20-Oct-14	10-Dec-14	136					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10100	Sheet Piling & Excavation (~5m below ground) (along NB42)	0%	21	21	23-Sep-14	18-Oct-14	121					
TSZ10130	Watermain installation (along NB42)	0%	30	30	20-Oct-14	22-Nov-14	121					
NB42A (Ch.5750-5810)-TWSR West Side												
Noise Barrier Works												
NB00190	NB42A (Ch5750-5810) - Footing & Wall Structure	0%	30	30	16-Oct-14	19-Nov-14	58					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10150	Sheet Piling & Excavation (~5m below ground) (along NB42A)	0%	18	18	23-Sep-14	15-Oct-14	58					
ZONE 2 (Ch. 5880 to 6930)												
Noise Barrier Along TWSR-West and Laying New Utilities												
Site Clearance & Demolition of Existing Structure												
Demolition Work												
Z2.P2N.1242	Pending for design brief from Villager/ Engineer	90%	3	30	01-Jan-14 A	22-Aug-14	-142					
Z2.P2N.1245	Method statement submission/ approval	0%	60	60	23-Aug-14	04-Nov-14	-142					
Z2.P2N.1250	Construction of proposed SHRINE	0%	165	165	05-Nov-14	02-Jun-15	1019					
Z2.P2N.1260	Demolition of existing SHRINE	0%	30	30	05-Nov-14	09-Dec-14	-142					
Z2.P2N.1270	Condition survey	0%	5	5	24-Sep-14	30-Sep-14	90					
Z2.P2N.1300	Condition survey	0%	6	6	23-Sep-14	30-Sep-14	-32					
Z2.P2N.1310	Existing trees felling	0%	25	25	30-Sep-14	30-Oct-14	-32					
Z2.P2N.1320	Demolition of villiage houses	0%	26	26	30-Sep-14	31-Oct-14	-32					
NB48 (Ch.5995-6120)-TWSR West Side												
Noise Barrier Works												
NB00360	NB48 (NB48/1-5 up to THFB) piling (0.19m -54no)	70.37%	24	81	14-Jun-14 A	17-Sep-14	-20					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10400	Sheet Piling & Excavation (~5m below ground) (along NB48, 0-60m)	0%	21	21	18-Sep-14	14-Oct-14	-20					
TSZ10410	DSD Trunk Sewer laying (along NB48, 0-60m)	0%	18	18	15-Oct-14	04-Nov-14	-20					
TSZ10420	Backfill up to NB48, 0-60m footing level	0%	32	32	05-Nov-14	11-Dec-14	-20					
NB49 (Ch.6145-6215)-TWSR West Side												
Noise Barrier Works												
NB00485	NB49 - Pre-drilling	0%	50	50	01-Nov-14	31-Dec-14	-32					
NB49B (Ch.6215-6235)-TWSR West Side												
Noise Barrier Works												
NB00545	NB49B - Pre-drilling (Deleted notified in July-14, VO issued	0%	22	22	20-Aug-14	15-Sep-14	-80					
NB00550	NB49B piling (0.19m -22no) (Deleted notified in July-14, VO	0%	33	33	16-Sep-14	25-Oct-14	-80					
NB54 (Ch.6240-6280)-TWSR West Side												
Noise Barrier Works												
NB00605	NB54 - ID2-1 Pre-drilling (Deleted notified on 14-5, VO issued	0%	0	0	16-Sep-14	16-Sep-14	-71					
NB57 (Ch.6365-6445)-TWSR West Side												
Noise Barrier Works												
NB00805	Pending for design information (RFI/00088)	0%	14	5	17-Jul-14 A	02-Sep-14	-173					
NB00810	NB57 piling (0.19m -82no)	0%	123	123	03-Sep-14	30-Jan-15	-140					
NB58 (Ch.6445-6480)-TWSR West Side												
Noise Barrier Works												
NB00870	NB58 -Pre-drilling (2 nos after remove Hse 103 wall)	0%	179	22	30-Jul-14 A	31-Mar-15	-39					

	Project ID: DWP Rev 01 (1408)	<p align="center">Contract No. HY/2012/06</p> <p align="center">Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange</p> <p align="center">3 Month Rolling Program(20-Aug-14)</p>		Date	Revision	C.	App...
	Layout: 3 Month Rolling Program			22-Jan-14	IWP Rev 4		
	Page 1 of 4			26-Feb-14	IWP Rev 5		
				13-May-...	WP Rev 1		
				30-Jun-14	WP Rev...		

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014				
								Aug	Sep	Oct	Nov	
NB59 (Ch.6490-6590)-TWSR West Side												
Noise Barrier Works												
NB00940	NB59 -Pre-drilling	0%	47	47	05-May-14 A	16-Oct-14	-155					
NB00950	NB59 - piling (0.19m -94no)	0%	144	144	17-Oct-14	17-Apr-15	-155					
NB63 (Ch.6610-6700)-TWSR West Side												
Noise Barrier Works												
NB01020	NB63 - Footing & Wall Structure	0%	60	60	18-Nov-14	29-Jan-15	-135					
NB4560	NB63 - ID3-1 Footing & Wall Structure	88.33%	7	60	14-Jun-14 A	27-Aug-14	-8					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10300	Sheet Piling & Excavation (~7m below ground) (along NB63)	0%	22	12	23-Jul-14 A	15-Sep-14	-135					
TSZ10310	DSD Trunk Sewer laying (along NB63)	0%	18	18	16-Sep-14	08-Oct-14	-135					
TSZ10320	Backfill up to NB63 footing level	0%	34	34	09-Oct-14	17-Nov-14	-135					
TSZ10330	Watermain installation (along NB63)	0%	30	30	18-Nov-14	22-Dec-14	-135					
DSD Southern Trunk Sewer - Trenchless Construction												
TSZ10950	Construct Pipe jacking pits	0%	60	60	16-Sep-14	26-Nov-14	61					
Box Culvert Extension ID1												
Structure Works												
ID1-0100	Box Culvert Extension ID1 structure	0%	118	118	01-Nov-14	30-Mar-15	-118					
Box Culvert Extension ID2												
Structure Works												
ID2-0100	Box Culvert Extension ID2 structure	0%	118	118	01-Nov-14	30-Mar-15	-118					
Bridge Construction												
New Tai Hang Footbridge												
General												
THBF0330	Structure steel Shop drawing submission (THFB)	0%	60	60	20-Aug-14	31-Oct-14	621					
THBF0335	Structure steel Shop drawing approval (THFB)	0%	30	30	15-Oct-14	18-Nov-14	621					
THBF0340	Structure steel procurement (THFB)	0%	150	150	19-Nov-14	17-Apr-15	777					
TWSR-West/ FL Highway N/B Side Section												
THBF0120	THP5 - Pre-bored H pile (8 nos)	0%	24	24	03-Sep-14	03-Oct-14	-79					
THBF0130	THP5 - Pile Test	0%	28	28	04-Oct-14	31-Oct-14	1013					
THBF0140	THP5 - Pile cap, Pier and Pier Head	0%	45	45	18-Oct-14	09-Dec-14	808					
THBF0160	THP8, THP9 - Pre-bored H pile (8 nos)	0%	24	24	04-Oct-14	31-Oct-14	-79					
THBF0170	THP8, THP9 - Pile Test	0%	28	28	01-Nov-14	28-Nov-14	1111					
THBF0180	THP8, THP9 - Pile cap, Pier and Pier Head	0%	30	30	15-Nov-14	19-Dec-14	889					
THBF0200	THAB3 - Pre-bored H pile (4 nos)	0%	12	12	20-Aug-14	02-Sep-14	-79					
THBF0210	THAB3 - Pile Test	0%	28	28	03-Sep-14	30-Sep-14	1139					
THBF0220	THAB3 - pile cap & abutment wall	0%	30	30	17-Sep-14	23-Oct-14	911					
THBF0230	THAB3 - Backfilling (~4m)	0%	27	27	24-Oct-14	24-Nov-14	911					
THBF0290	THAB2 - Pre-bored H pile (18 nos)	0%	54	54	01-Nov-14	06-Jan-15	-79					
TWSR-East FL Highway S/B Side Section												
THBF0440	THAB1 - Predrilling	0%	12	12	20-Aug-14	02-Sep-14	746					
THBF0490	THP2 - Predrilling	0%	12	12	03-Sep-14	17-Sep-14	746					
THBF0700	THP3 - Predrilling	0%	6	6	18-Sep-14	24-Sep-14	764					
THBF0740	THP4 - Predrilling	0%	6	6	25-Sep-14	03-Oct-14	774					
New Tai Wo Footbridge												
General												
TWFB1010	Site Clearance	0%	30	30	25-Aug-14	29-Sep-14	-75					
TWFB1020	Structure steel Shop drawing submission (TWFB)	0%	90	90	20-Aug-14	05-Dec-14	842					
TWFB1030	Structure steel Shop drawing approval (TWFB)	0%	30	30	19-Nov-14	23-Dec-14	842					
TWSR-West/ FL Highway N/B Side Section												
TWFB1210	TWAB2 - Predrilling	0%	12	12	30-Sep-14	15-Oct-14	133					
TWFB1310	TWAB1 - Predrilling	0%	27	27	27-Jun-14 A	20-Sep-14	-68					
TWFB1320	TWAB1 - Pre-bored H pile (18 nos)	0%	54	54	30-Sep-14	03-Dec-14	-75					
Temporary Tai Wo Footbridge												
Design Works												
TWFB-T1010	Design preparation	0%	90	90	20-Aug-14	05-Dec-14	273					
Demolition of Existing Tai Wo Footbridge												
TWSR-West/ FL Highway N/B Side Section												
TWFB-DE0900	Site Clearance	0%	30	30	20-Aug-14	24-Sep-14	660					
Noise Barrier Along Fanling Highway S/B												
NB51 (Ch.5935-6055)-FH S/B Side												
Noise Barrier Works												
NB02270	NB51 ID1-3 (0-25m) - Sheet piling & Excavation	0%	21	21	20-Aug-14	13-Sep-14	408					
NB02280	NB51 ID1-3 (0-25m) - Footing & Wall Structure	0%	90	90	15-Sep-14	02-Jan-15	408					
NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB03020	NB61A (75-190m) - Footing & Wall Structure	24.29%	53	70	02-Jun-14 A	23-Oct-14	-190					
NB03030	NB61A (75-190m)- backfilling	0%	80	80	24-Oct-14	28-Jan-15	-190					
NB03040	NB61A (75-190m) - NB production	0%	45	45	24-Oct-14	07-Dec-14	1435					
Other Works												
Site Clearance & Demolition of Existing Structure												
Contract Condition												
Z2.P2N.1280	Re-provision of Man Ching Lung Tong	0%	183	150	21-Jul-14 A	08-Apr-15	-59					
General												
Z2.P2N.1000	Liaison with relevant villages houses's owner and related parties	0%	30	30	10-Oct-14	13-Nov-14	-277					

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014				
								Aug	Sep	Oct	Nov	
Z2.P2N.1010	Submission of contractor's design for site formation	0%	28	28	14-Nov-14	16-Dec-14	-277					
South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)												
General												
General												
General												
POSSA328a	Tree Felling/ Transplant (SA328)	0%	30	30	29-Aug-14	06-Oct-14	-110					
POSSA328a10	Site Clearance/ Trip Pit etc	0%	30	30	07-Oct-14	10-Nov-14	-110					
POSSA329a	Tree Felling/ Transplant (SA329)	26.67%	22	30	19-Jul-14 A	15-Sep-14	-77					
POSSA329a10	Site Clearance/ Trip Pit etc	0%	30	30	16-Sep-14	22-Oct-14	-77					
Noise Barrier Along TWSR-West and Laying New Utilities												
NB64 & NB64A (Ch.6860-6920)-TWSR West Side												
Noise Barrier Works												
NB001000	NB64 & NB64A -Pre-drilling	37.14%	22	35	15-May-14 A	15-Sep-14	-228					
NB001010	NB64 & NB64A -piling (0.19m -78no)	0%	90	90	16-Sep-14	03-Jan-15	-228					
Bridge Construction												
Kau Lung Hang Vehicular Bridge												
General												
Z2.KLH.1070	Consent from Engineer	10.71%	25	28	28-Nov-13 A	18-Sep-14	-67					
KLH Bridge - West Ramp												
Z2.KLH.0900	West Abutment- Pre-drilling work	0%	20	20	11-Nov-14	03-Dec-14	-110					
KLH Bridge - Ramp R1												
Z2.KLH.1430	Ramp R1 - Pre-drilling work (R1P1-P3)	0%	27	27	15-May-14 A	20-Sep-14	49					
KLH Bridge - Deck 3												
Z2.KLH.1325	Construct Temp Road - For diversion of existing TWR east	0%	20	20	23-Oct-14	14-Nov-14	-77					
Z2.KLH.1330	VBP6 - Diversion of TWSR east to temporary diversion work	0%	1	1	15-Nov-14	15-Nov-14	-77					
Z2.KLH.1340	VBP6 - Pre-drilling work	0%	5	5	17-Nov-14	21-Nov-14	-77					
Z2.KLH.1800	East Abutment - Pile testing	0%	30	30	20-Aug-14	24-Sep-14	-44					
Z2.KLH.1810	East Abutment - Pile caps, abutment wall construction	0%	75	75	25-Sep-14	23-Dec-14	-44					
Z2.KLH.1840	VBP7- Pile testing	0%	30	30	20-Aug-14	24-Sep-14	121					
Z2.KLH.1880	VBP8 - Pile testing	0%	30	30	20-Aug-14	24-Sep-14	31					
KLH Bridge - Deck 2												
Z2.KLH.1190	Temp road diversion at TWSR-W for TTA for VBP5 works	0%	45	45	23-Oct-14	13-Dec-14	-50					
KLH Bridge - Ramp R2												
Z2.KLH.1510	Ramp R2 - Pre-drilling work	0%	28	28	06-Feb-14 A	20-Oct-14	114					
Z2.KLH.1520	Ramp R2 - Pre-bored H-pile piling works (18 Nos.)	0%	54	54	27-Jun-14 A	29-Nov-14	114					
Z2.KLH.1590	Land Possession for House 190B	0%	0	0		30-Sep-14	0					
30-Sep-14* ♦ Land Possession for House 190B												
Demolition of Existing Nam Wa Po Footbridge												
General												
Z2.NWP.0500	Site Clearance	0%	20	20	29-Aug-14	22-Sep-14	-200					
Z2.NWP.1000	Modification of Existing Planter for Pier of Temporary Footbridge	0%	25	25	23-Sep-14	23-Oct-14	-200					
Z2.NWP.1010	Removal of Existing Staircase Portion	0%	26	26	24-Oct-14	22-Nov-14	-200					
North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)												
Site Formation												
Site Formation Works												
Site Formation Work												
Z4SF1070	Backfilling (~20000m3)	43.33%	102	180	10-May-14 A	19-Dec-14	-107					
Retaining Wall W76												
Structure Works												
RW761080	Base slab - W76 (~7m high)	0%	22	22	20-Aug-14	15-Sep-14	-97					
RW761085	Wall construction - W76 (~7m high)	0%	40	40	16-Sep-14	03-Nov-14	-97					
Bridge Construction												
New Ho Ka Yuen Footbridge												
General												
HKY1030	Structure steel Shop drawing submission (HKYB)	95%	3	60	20-Jun-14 A	22-Aug-14	-101					
HKY1040	Structure steel Shop drawing approval (HKYB)	0%	30	30	20-Aug-14	24-Sep-14	-113					
HKY1050	Structure steel procurement (HKYB)	0%	150	150	25-Sep-14	21-Feb-15	-135					
TWSR-West/ FL Highway N/B Side Section												
HKY1135	Soil nail works	0%	50	50	11-Sep-14	10-Nov-14	-112					
HKY1140	HKYP6 - Predrilling	0%	24	24	11-Nov-14	08-Dec-14	-112					
HKY1275	Existing HKY bridge structure removed (TWSR-W)	0%	0	0		18-Nov-14	-83					
HKY1320	HKYAB4 - Predrilling	0%	24	24	19-Nov-14	16-Dec-14	-83					
TWSR-East FL Highway S/B Side Section												
HKY1520	HKYAB1 - Pile Test	0%	28	28	20-Aug-14	16-Sep-14	23					
HKY1530	HKYAB1 - pile cap & abutment wall	0%	30	30	03-Sep-14	10-Oct-14	19					
HKY1540	HKYAB1 - Backfilling (~3m)	0%	20	20	11-Oct-14	03-Nov-14	19					
HKY1570	HKYP3 - Pile Test	0%	28	28	20-Aug-14	16-Sep-14	31					
HKY1580	HKYP3 - Pile cap, Pier and Pier Head	0%	45	45	03-Sep-14	28-Oct-14	24					
HKY1750	HKYP4 - Pile Test	0%	28	28	20-Aug-14	16-Sep-14	-2					
HKY1760	HKYP4 - Pile cap, Pier and Pier Head	0%	45	45	17-Sep-14	10-Nov-14	-2					
HKY1780	HKYP5 - Pre-bored H pile (8 nos)	87.5%	3	24	22-Jul-14 A	22-Aug-14	51					
HKY1790	HKYP5 - Pile Test	0%	28	28	23-Aug-14	19-Sep-14	63					
HKY1800	HKYP5 - Pile cap, Pier and Pier Head	0%	45	45	11-Nov-14	05-Jan-15	-2					
HKY1820	HKYAB2 - Pre-bored H pile (22 nos)	72.73%	18	66	10-Jun-14 A	10-Sep-14	-17					
HKY1830	HKYAB2 - Pile Test	0%	28	28	11-Sep-14	08-Oct-14	-21					

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014			
								Aug	Sep	Oct	Nov
HKY1840	HKYAB2 - pile cap & abutment wall	0%	60	60	09-Oct-14	17-Dec-14	-16				
Demolition of Existing Ho Ka Yuen Footbridge											
TWSR-West/ FL Highway N/B Side Section											
HKY1880	Construct Temp Ramp for existing HKY footbridge	80%	18	90	11-Jun-14 A	10-Sep-14	-112				
HKY1890	Pedestrian diversion	0%	1	1	11-Sep-14	11-Sep-14	-67				
HKY1900	Erect temp platform for demolishing Ramp & staircase at TWSR-W	0%	35	35	20-Aug-14	30-Sep-14	-83				
HKY1910	Demolish existing ramp & staircase at TWSR-W	0%	40	40	03-Oct-14	18-Nov-14	-83				
ZONE 4 (Ch. 7925 to 8700)											
Bridge Construction											
New Wo Hop Shek Pedstrian & Cycle Bridge											
General											
WHS1020	Structure steel Shop drawing submission (WHSB)	91.43%	3	35	21-Jul-14 A	22-Aug-14	351				
WHS1030	Structure steel Shop drawing approval (WHSB)	0%	30	30	20-Aug-14	24-Sep-14	339				
WHS1040	Structure steel procurement (WHSB)	0%	150	150	25-Sep-14	21-Feb-15	421				
TWSR-West/ FL Highway N/B Side Section											
WHS1160	WHSP2 - Pre-bored H pile (8 nos)	0%	24	24	03-Sep-14	03-Oct-14	349				
WHS1170	WHSP2 - Pile Test	0%	28	28	04-Oct-14	31-Oct-14	431				
WHS1180	WHSP2 - Pile cap, Pier and Pier Head	0%	45	45	18-Oct-14	09-Dec-14	349				
WHS1200	WHSP6 - Pre-bored H pile (6 nos)	0%	18	18	04-Oct-14	24-Oct-14	380				
WHS1210	WHSP6 - Pile Test	0%	28	28	25-Oct-14	21-Nov-14	475				
WHS1224	WHSP7 - Pre-bored H pile (6 nos)	0%	18	18	25-Oct-14	14-Nov-14	403				
WHS1226	WHSP7 - Pile Test	0%	28	28	15-Nov-14	12-Dec-14	511				
WHS1240	WHSAB1 - Pre-bored H pile (4 nos)	0%	12	12	20-Aug-14	02-Sep-14	349				
WHS1250	WHSAB1 - Pile Test	0%	28	28	03-Sep-14	30-Sep-14	1039				
WHS1260	WHSAB1 - pile cap & abutment wall	0%	30	30	17-Sep-14	23-Oct-14	829				
WHS1270	WHSAB1 - Backfilling (~4m)	0%	27	27	24-Oct-14	24-Nov-14	829				
WHS1894	WHSP3 - Pre-bored H pile (6 nos)	0%	18	18	20-Aug-14	10-Sep-14	408				
WHS1896	WHSP3 - Pile Test	0%	28	28	11-Sep-14	08-Oct-14	505				
WHS1898	WHSP3 - Pile cap, Pier and Pier Head	0%	30	30	09-Oct-14	12-Nov-14	402				
WHS1910	WHSP4 - Pre-bored H pile (6 nos)	0%	18	18	11-Sep-14	03-Oct-14	428				
WHS1920	WHSP4 - Pile Test	0%	28	28	04-Oct-14	31-Oct-14	536				
WHS1930	WHSP4 - Pile cap, Pier and Pier Head	0%	30	30	13-Nov-14	17-Dec-14	402				
WHS1950	WHSP5 - Pre-bored H pile (6 nos)	0%	18	18	04-Oct-14	24-Oct-14	437				
WHS1960	WHSP5 - Pile Test	0%	28	28	25-Oct-14	21-Nov-14	551				
Crossing Fanling Highway Section											
WHS1470	WHSP1 - Pile cap, Pier and Pier Head	0%	60	52	18-Jun-14 A	31-Oct-14	759				
TWSR-East FL Highway S/B Side Section											
WHS2060	North Abutment Wall (AW1) - Pre-bored H pile (4 nos)	0%	22	22	20-Aug-14	15-Sep-14	317				
WHS2070	North Abutment Wall (AW1) - Pile Test	0%	28	28	16-Sep-14	13-Oct-14	763				
WHS2075	North Abutment Wall (AW1) - Temp Shoring	0%	45	45	16-Sep-14	08-Nov-14	317				
WHS2080	North Abutment Wall (AW1) - pile cap & abutment wall	0%	60	60	10-Nov-14	21-Jan-15	577				
Slip Road Y Construction											
Underground Utility Works											
DN600 and DN900 Watermain											
DN1000	DN600 & DN900 watermain laying (Ch8250-8370)(SA340) (near Z4	15.71%	59	70	19-Aug-14 A	30-Oct-14	-414				
VO - Wall 76A Construction											
Retaining Wall W76A											
TWSR-East FL Highway S/B Side Section											
W76A1018	Temp. road work for TTA for W76A	0%	26	26	31-Oct-14	29-Nov-14	-414				
W76A1032	W76A construction (bay 1-2 & 11-13)	96%	3	75	19-May-14 A	22-Aug-14	-212				
W76A1035	W76A backfilling work (bay 1-2 & 11-13)	0%	26	26	23-Aug-14	23-Sep-14	-212				
Other Works											
Retaining Wall W77A											
TWSR-East FL Highway S/B Side Section											
RWZ4.1060	Base slab & Wall (0-3m high)- RW77A (Ch.50-130)	0%	60	60	20-Aug-14	31-Oct-14	369				
RWZ4.1070	Backfilling (0-3m) - RW77A (Ch.50-130)	0%	30	30	01-Nov-14	05-Dec-14	624				
RWZ4.1075	Temp Shoring & Excavation	0%	45	45	10-Nov-14	03-Jan-15	317				
Retaining Wall W77B											
TWSR-East FL Highway S/B Side Section											
RWZ4.1092	Site Clearance	86.67%	4	30	21-Jul-14 A	23-Aug-14	500				
RWZ4.1100	Base slab & Wall (0-3m high)- RW77B (Ch 0-40)	0%	60	60	01-Nov-14	13-Jan-15	444				
Retaining Wall W78											
TWSR-East FL Highway S/B Side Section											
RWZ4.0900	Site Clearance	0%	30	30	25-Aug-14	29-Sep-14	530				
TCSS Works											
TCSS Pre-Construction Works											
TCSS0100	Acquire Design Criteria from Drawing & procurement	0%	180	180	20-Aug-14	01-Apr-15	435				

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014			
								Sep	Oct	Nov	Dec
Contract Condition											
General											
Contract Condition											
Contract Condition											
POSSA310	Site Area SA 310 (395d)	0%	0	0	20-Sep-14*		-35				◆ Site Area SA 310 (395d)
POSSA320	Site Area SA320 (0d)	0%	0	0	20-Sep-14*		-26				◆ Site Area SA320 (0d)
POSSA323	Site Area SA323 (360d)	0%	0	0	30-Sep-14*		0				◆ Site Area SA323 (360d)
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Sep-14*		-69				◆ Site Area SA323A (360d) (not required)
POSSA328	Site Area SA328 (90d)	0%	0	0	20-Sep-14*		-22				◆ Site Area SA328 (90d)
Z1.1000	Instruction by The Engineer to Commence Work (Section Subject	0%	0	0		20-Sep-14	-5				◆ 20-Sep-14* Instruction by The Engineer to Commence Work (Section Subject to Excision-424
Partial Possession Status											
Contract Condition											
Contract Condition											
POSSA320-140	SA320/ 323	0%	0	0	20-Sep-14		98				◆ SA320/323
POSSA320-180	SA320/ 326	0%	0	0	20-Sep-14		-134				◆ SA320/326
ZONE 1 (Ch. 5640 to 5880)											
Noise Barrier Along TWSR-West and Laying New Utilities											
Site Clearance & Demolition of Existing Structure											
General											
ADVZ10100	Site clearance (Additional Transplant - pending for VO)	6.67%	28	30	30-May-14 A	24-Oct-14	32				
NB42 (Ch.5640-5740)-TWSR West Side											
Noise Barrier Works											
NB00110	NB42 (Ch5640-5740) - Footing & Wall Structure	0%	45	45	19-Nov-14	13-Jan-15	110				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10100	Sheet Piling & Excavation (~5m below ground) (along NB42)	0%	21	21	25-Oct-14	18-Nov-14	95				
TSZ10130	Watermain installation (along NB42)	0%	30	30	19-Nov-14	23-Dec-14	95				
NB42A (Ch.5750-5810)-TWSR West Side											
Noise Barrier Works											
NB00190	NB42A (Ch5750-5810) - Footing & Wall Structure	0%	30	30	15-Nov-14	19-Dec-14	32				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10150	Sheet Piling & Excavation (~5m below ground) (along NB42A)	0%	18	18	25-Oct-14	14-Nov-14	32				
ZONE 2 (Ch. 5880 to 6930)											
Noise Barrier Along TWSR-West and Laying New Utilities											
Site Clearance & Demolition of Existing Structure											
Demolition Work											
Z2.P2N.1245	Method statement submission/ approval	36.67%	38	60	24-Jul-14 A	05-Nov-14	1018				
Z2.P2N.1250	Construction of proposed SHRINE	0%	165	165	06-Nov-14	03-Jun-15	1018				
Z2.P2N.1320	Demolition of villiage houses	0%	26	26	15-Sep-14 A	22-Oct-14	-24				
NB48 (Ch.5995-6120)-TWSR West Side											
Noise Barrier Works											
NB00360	NB48 (NB48/1-5 up to THFB) piling (0.19m -54no)	88.89%	9	81	14-Jun-14 A	30-Sep-14	-31				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10400	Sheet Piling & Excavation (~5m below ground) (along NB48, 0-60m)	0%	21	21	03-Oct-14	27-Oct-14	-31				
TSZ10410	DSD Trunk Sewer laying (along NB48, 0-60m)	0%	18	18	28-Oct-14	17-Nov-14	-31				
TSZ10420	Backfill up to NB48, 0-60m footing level	0%	32	32	18-Nov-14	24-Dec-14	-31				
NB49 (Ch.6145-6215)-TWSR West Side											
Noise Barrier Works											
NB00485	NB49 - Pre-drilling	0%	50	50	23-Oct-14	19-Dec-14	-24				
NB54 (Ch.6240-6280)-TWSR West Side											
Noise Barrier Works											
NB00605	NB54 - ID2-1 Pre-drilling (Deleted notified on 14-5, VO issued	0%	0	0	20-Sep-14	20-Sep-14	-25				
NB00665	NB54 -Pre-drilling	0%	24	24	20-Sep-14	20-Oct-14	-25				
NB54A (Ch.6290-6350)-TWSR West Side											
Noise Barrier Works											
NB00730	NB54A -Pre-drilling	0%	48	36	26-Feb-14 A	17-Nov-14	21				
NB00740	NB54A piling (0.19m -72no)	0%	108	108	05-May-14 A	29-Jan-15	21				
NB57 (Ch.6365-6445)-TWSR West Side											
Noise Barrier Works											
NB00805	Pending for design information (RFI/00088)	0%	14	5	17-Jul-14 A	03-Oct-14	-204				
NB00810	NB57 piling (0.19m -82no)	0%	123	123	04-Oct-14	07-Mar-15	-164				
NB58 (Ch.6445-6480)-TWSR West Side											
Noise Barrier Works											
NB00870	NB58 -Pre-drilling (2 nos after remove Hse 103 wall)	0%	33	22	30-Jul-14 A	30-Oct-14	81				
NB59 (Ch.6490-6590)-TWSR West Side											
Noise Barrier Works											
NB00940	NB59 -Pre-drilling	29.79%	33	47	05-May-14 A	30-Oct-14	-167				
NB00950	NB59 - piling (0.19m -94no)	0%	144	144	31-Oct-14	02-May-15	-167				
NB63 (Ch.6610-6700)-TWSR West Side											
Noise Barrier Works											
NB01020	NB63 - Footing & Wall Structure	43.33%	34	60	23-Jun-14 A	31-Oct-14	-151				
NB01040	NB63 - NB production	0%	45	45	01-Nov-14	15-Dec-14	1427				

Project ID:DWP Rev 01 (1409)
 Layout: 3 Month Rolling Program
 Page 1 of 4

Contract No. HY/2012/06
Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange
3 Month Rolling Program(20-Sep-14)



Date	Revision	C.	App...
22-Jan-14	IWP Rev 4		
26-Feb-14	IWP Rev 5		
13-May-...	WP Rev 1		
30-Jun-14	WP Rev...		

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014			
								Sep	Oct	Nov	Dec
NB4560	NB63 - ID3-1 Footing & Wall Structure	66.67%	20	60	14-Jun-14 A	15-Oct-14	-137				
Box Culvert Extension ID1											
Structure Works											
ID1-0100	Box Culvert Extension ID1 structure	0%	118	118	01-Nov-14	30-Mar-15	-118				
Box Culvert Extension ID2											
Structure Works											
ID2-0100	Box Culvert Extension ID2 structure	0%	118	118	01-Nov-14	30-Mar-15	-118				
Bridge Construction											
New Tai Hang Footbridge											
General											
THBF0330	Structure steel Shop drawing submission (THFB)	0%	60	60	20-Sep-14	01-Dec-14	595				
THBF0335	Structure steel Shop drawing approval (THFB)	0%	30	30	14-Nov-14	18-Dec-14	595				
THBF0340	Structure steel procurement (THFB)	0%	150	150	19-Dec-14	17-May-15	747				
TWSR-West/ FL Highway N/B Side Section											
THBF0120	THP5 - Pre-bored H pile (8 nos)	0%	24	24	07-Oct-14	03-Nov-14	-105				
THBF0130	THP5 - Pile Test	0%	28	28	04-Nov-14	01-Dec-14	982				
THBF0140	THP5 - Pile cap, Pier and Pier Head	0%	45	45	18-Nov-14	12-Jan-15	782				
THBF0160	THP8, THP9 - Pre-bored H pile (8 nos)	0%	24	24	04-Nov-14	01-Dec-14	-105				
THBF0170	THP8, THP9 - Pile Test	0%	28	28	02-Dec-14	29-Dec-14	1080				
THBF0180	THP8, THP9 - Pile cap, Pier and Pier Head	0%	30	30	16-Dec-14	22-Jan-15	863				
THBF0200	THAB3 - Pre-bored H pile (4 nos)	0%	12	12	20-Sep-14	06-Oct-14	-105				
THBF0210	THAB3 - Pile Test	0%	28	28	07-Oct-14	03-Nov-14	1105				
THBF0220	THAB3 - pile cap & abutment wall	0%	30	30	21-Oct-14	24-Nov-14	884				
THBF0230	THAB3 - Backfilling (~4m)	0%	27	27	25-Nov-14	27-Dec-14	884				
THBF0290	THAB2 - Pre-bored H pile (18 nos)	0%	54	54	02-Dec-14	05-Feb-15	-105				
TWSR-East FL Highway S/B Side Section											
THBF0440	THAB1 - Predrilling	0%	12	12	20-Sep-14	06-Oct-14	720				
THBF0490	THP2 - Predrilling	0%	12	12	07-Oct-14	20-Oct-14	720				
THBF0700	THP3 - Predrilling	0%	6	6	21-Oct-14	27-Oct-14	738				
THBF0740	THP4 - Predrilling	0%	6	6	28-Oct-14	03-Nov-14	748				
New Tai Wo Footbridge											
General											
TWFB1010	Site Clearance	73.33%	8	30	25-Aug-14 A	29-Sep-14	-75				
TWFB1020	Structure steel Shop drawing submission (TWFB)	0%	90	90	20-Sep-14	08-Jan-15	816				
TWFB1030	Structure steel Shop drawing approval (TWFB)	0%	30	30	19-Dec-14	26-Jan-15	816				
TWSR-West/ FL Highway N/B Side Section											
TWFB1210	TWAB2 - Predrilling	0%	12	12	30-Sep-14	15-Oct-14	133				
TWFB1310	TWAB1 - Predrilling	0%	27	27	27-Jun-14 A	23-Oct-14	-94				
TWFB1320	TWAB1 - Pre-bored H pile (18 nos)	0%	54	54	24-Oct-14	27-Dec-14	-94				
Temporary Tai Wo Footbridge											
Design Works											
TWFB-T1010	Design preparation	0%	90	90	20-Sep-14	08-Jan-15	247				
Demolition of Existing Tai Wo Footbridge											
TWSR-West/ FL Highway N/B Side Section											
TWFB-DE0900	Site Clearance	0%	30	30	20-Sep-14	27-Oct-14	634				
Noise Barrier Along Fanling Highway S/B											
NB51 (Ch.5935-6055)-FH S/B Side											
Noise Barrier Works											
NB02270	NB51 ID1-3 (0-25m) - Sheet piling & Excavation	0%	21	21	20-Sep-14	16-Oct-14	382				
NB02280	NB51 ID1-3 (0-25m) - Footing & Wall Structure	0%	90	90	17-Oct-14	02-Feb-15	382				
NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB03020	NB61A (75-190m) - Footing & Wall Structure	61.43%	27	70	02-Jun-14 A	23-Oct-14	-190				
NB03030	NB61A (75-190m) - backfilling	0%	80	80	24-Oct-14	28-Jan-15	-190				
NB03040	NB61A (75-190m) - NB production	0%	45	45	24-Oct-14	07-Dec-14	1435				
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	08-Dec-14	12-Dec-14	1151				
Other Works											
Site Clearance & Demolition of Existing Structure											
Contract Condition											
MCLT1040	Engineer approval	0%	12	12	16-Sep-14 A	06-Oct-14	-56				
MCLT1050	Apply cert for exemption by DLO by Engineer	0%	12	12	07-Oct-14	20-Oct-14	-56				
MCLT1060	Design available for construction	0%	0	0		20-Oct-14	-56				
MCLT1070	Method Statement submission & Demolish House for New MCLT	0%	40	40	20-Sep-14	07-Nov-14	1934				
MCLT1080	Construct New MCLT (Structure)	0%	60	60	21-Oct-14	31-Dec-14	-56				
General											
Z2.P2N.1000	Liaison with relevant villages houses's owner and related parties	0%	30	30	10-Oct-14	13-Nov-14	-277				
Z2.P2N.1010	Submission of contractor's design for site formation	0%	28	28	14-Nov-14	16-Dec-14	-277				
Z2.P2N.1030	Submission of DIA & SIA report to DSD	0%	14	14	01-Dec-14	16-Dec-14	-277				
Z2.P2N.1040	Consent from DSD	0%	21	21	17-Dec-14	13-Jan-15	-277				
South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)											
General											
General											
General											
POSSA328a	Tree Felling/Transplant (SA328)	33.33%	20	30	29-Aug-14 A	15-Oct-14	-59				

20-Oct-14 ♦ Design available for construction

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014			
								Sep	Oct	Nov	Dec
POSSA328a10	Site Clearance/ Trip Pit etc	0%	30	30	16-Oct-14	19-Nov-14	-59				
POSSA329a10	Site Clearance/ Trip Pit etc	0%	30	30	20-Sep-14	27-Oct-14	-81				
Noise Barrier Along TWSR-West and Laying New Utilities											
NB64 & NB64A (Ch.6860-6920)-TWSR West Side											
Noise Barrier Works											
NB001010	NB64 & NB64A -piling (0.19m -78no)	0%	90	90	20-Sep-14	08-Jan-15	-232				
Bridge Construction											
Kau Lung Hang Vehicular Bridge											
General											
Z2.KLH.1070	Consent from Engineer	10.71%	25	28	28-Nov-13 A	21-Oct-14	-34				
KLH Bridge - West Ramp											
Z2.KLH.0910	West Abutment- pre-bored H-pile piling works (13nos)	0%	39	39	20-Sep-14	06-Nov-14	-48				
Z2.KLH.1002	West Abutment- Pile cap & Structural Wall	0%	90	90	20-Nov-14	16-Mar-15	-59				
KLH Bridge - Deck 1											
Z2.KLH.1010	Pier VBP1- Pre-bored H-pile piling works (6 Nos.)	0%	18	18	07-Nov-14	27-Nov-14	-31				
Z2.KLH.1012	Pier VBP1- Pile testing	0%	28	28	28-Nov-14	02-Jan-15	46				
Z2.KLH.1018	Pier VBP2- Pre-bored H-pile piling works (8 Nos.)	0%	24	24	28-Nov-14	27-Dec-14	-31				
KLH Bridge - Deck 3											
Z2.KLH.1325	Construct Temp Road - For diversion of existing TWR east	0%	20	20	28-Oct-14	19-Nov-14	-81				
Z2.KLH.1330	VBP6 - Diversion of TWSR east to temporary diversion work	0%	1	1	20-Nov-14	20-Nov-14	-81				
Z2.KLH.1340	VBP6 - Pre-drilling work	0%	5	5	21-Nov-14	26-Nov-14	-81				
Z2.KLH.1350	VBP6 - Pre-bored H-pile piling works (12 Nos.)	0%	60	60	27-Nov-14	07-Feb-15	-81				
Z2.KLH.1800	East Abutment - Pile testing	86.67%	4	30	20-Aug-14 A	24-Sep-14	-44				
Z2.KLH.1810	East Abutment - Pile caps, abutment wall construction	0%	75	75	25-Sep-14	23-Dec-14	-44				
Z2.KLH.1840	VBP7- Pile testing	86.67%	4	30	20-Aug-14 A	24-Sep-14	121				
Z2.KLH.1880	VBP8 - Pile testing	86.67%	4	30	20-Aug-14 A	24-Sep-14	31				
KLH Bridge - Deck 2											
Z2.KLH.1190	Temp road diversion at TWSR-W for TTA for VBP5 works	0%	45	45	28-Oct-14	18-Dec-14	-54				
Z2.KLH.1210	VBP5- Pre-bored H-pile piling works (12 Nos.)	0%	36	36	19-Dec-14	02-Feb-15	-54				
KLH Bridge - Ramp R2											
Z2.KLH.1510	Ramp R2 - Pre-drilling work	10.71%	25	28	06-Feb-14 A	21-Oct-14	113				
Z2.KLH.1520	Ramp R2 - Pre-bored H-pile piling works (18 Nos.)	0%	54	54	27-Jun-14 A	01-Dec-14	113				
Z2.KLH.1530	Ramp R2 - Pile cap, abutment and pier construction	0%	120	120	28-Nov-14	02-May-15	113				
Z2.KLH.1590	Land Possession for House 190B	0%	0	0		30-Sep-14	0				
30-Sep-14* ♦ Land Possession for House 190B											
Demolition of Existing Nam Wa Po Footbridge											
General											
Z2.NWP.0500	Site Clearance	0%	26	20	29-Aug-14 A	22-Oct-14	-224				
Z2.NWP.1000	Modification of Existing Planter for Pier of Temporary Footbridge	0%	25	25	23-Oct-14	20-Nov-14	-224				
Z2.NWP.1010	Removal of Existing Staircase Portion	0%	26	26	21-Nov-14	20-Dec-14	-224				
North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)											
Site Formation											
Site Formation Works											
Site Formation Work											
Z4SF1070	Backfilling (~20000m3)	57.78%	76	180	10-May-14 A	19-Dec-14	-107				
Retaining Wall W76											
Structure Works											
RW761080	Base slab - W76 (~7m high)	59.09%	9	22	20-Aug-14 A	30-Sep-14	-95				
RW761085	Wall construction - W76 (~7m high)	0%	40	40	03-Oct-14	18-Nov-14	-95				
Bridge Construction											
New Ho Ka Yuen Footbridge											
General											
HKY1040	Structure steel Shop drawing approval (HKYB)	86.67%	4	30	25-Aug-14 A	24-Sep-14	-113				
HKY1050	Structure steel procurement (HKYB)	0%	150	150	25-Sep-14	21-Feb-15	-135				
TWSR-West/ FL Highway N/B Side Section											
HKY1135	Soil nail works	0%	50	50	20-Sep-14	19-Nov-14	-120				
HKY1140	HKYP6 - Predrilling	0%	24	24	20-Nov-14	17-Dec-14	-120				
HKY1150	HKYP6 - Pre-bored H pile (8 nos)	0%	24	24	18-Dec-14	17-Jan-15	-120				
HKY1172	HKYP1 - Predrilling	0%	12	12	18-Dec-14	03-Jan-15	-13				
HKY1220	HKYAB3 - Predrilling	0%	12	12	18-Dec-14	03-Jan-15	-108				
HKY1275	Existing HKY bridge structure removed (TWSR-W)	0%	0	0		18-Dec-14	-109				
HKY1320	HKYAB4 - Predrilling	0%	24	24	19-Dec-14	19-Jan-15	-109				
TWSR-East FL Highway S/B Side Section											
HKY1530	HKYAB1 - pile cap & abutment wall	0%	30	30	20-Sep-14	27-Oct-14	5				
HKY1540	HKYAB1 - Backfilling (~3m)	0%	20	20	28-Oct-14	19-Nov-14	5				
HKY1570	HKYP3 - Pile Test	0%	28	28	20-Sep-14	17-Oct-14	0				
HKY1580	HKYP3 - Pile cap, Pier and Pier Head	0%	45	45	04-Oct-14	25-Nov-14	0				
HKY1760	HKYP4 - Pile cap, Pier and Pier Head	0%	45	45	14-Nov-14	08-Jan-15	-5				
HKY1800	HKYP5 - Pile cap, Pier and Pier Head	0%	45	45	18-Sep-14 A	13-Nov-14	-5				
HKY1830	HKYAB2 - Pile Test	0%	31	28	19-Sep-14 A	20-Oct-14	-33				
HKY1840	HKYAB2 - pile cap & abutment wall	0%	60	60	21-Oct-14	31-Dec-14	-26				
Demolition of Existing Ho Ka Yuen Footbridge											
TWSR-West/ FL Highway N/B Side Section											
HKY1890	Pedestrian diversion	0%	1	1	20-Sep-14	20-Sep-14	-75				

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014			
								Sep	Oct	Nov	Dec
HKY1900	Erect temp platform for demolishing Ramp & staircase at TWSR-W	0%	35	35	20-Sep-14	01-Nov-14	-109				
HKY1910	Demolish existing ramp & staircase at TWSR-W	0%	40	40	03-Nov-14	18-Dec-14	-109				
ZONE 4 (Ch. 7925 to 8700)											
Bridge Construction											
New Wo Hop Shek Pedstrian & Cycle Bridge											
General											
WHS1030	Structure steel Shop drawing approval (WHSB)	90%	3	30	23-Aug-14 A	23-Sep-14	340				
WHS1040	Structure steel procurement (WHSB)	0%	150	150	24-Sep-14	20-Feb-15	422				
TWSR-West/ FL Highway N/B Side Section											
WHS1160	WHSP2 - Pre-bored H pile (8 nos)	0%	24	24	07-Oct-14	03-Nov-14	323				
WHS1170	WHSP2 - Pile Test	0%	28	28	04-Nov-14	01-Dec-14	400				
WHS1180	WHSP2 - Pile cap, Pier and Pier Head	0%	45	45	18-Nov-14	12-Jan-15	323				
WHS1200	WHSP6 - Pre-bored H pile (6 nos)	0%	18	18	04-Nov-14	24-Nov-14	354				
WHS1210	WHSP6 - Pile Test	0%	28	28	25-Nov-14	22-Dec-14	444				
WHS1224	WHSP7 - Pre-bored H pile (6 nos)	0%	18	18	25-Nov-14	15-Dec-14	377				
WHS1226	WHSP7 - Pile Test	0%	28	28	16-Dec-14	12-Jan-15	480				
WHS1240	WHSAB1 - Pre-bored H pile (4 nos)	0%	12	12	20-Sep-14	06-Oct-14	323				
WHS1250	WHSAB1 - Pile Test	0%	28	28	07-Oct-14	03-Nov-14	1005				
WHS1260	WHSAB1 - pile cap & abutment wall	0%	30	30	21-Oct-14	24-Nov-14	802				
WHS1270	WHSAB1 - Backfilling (~4m)	0%	27	27	25-Nov-14	27-Dec-14	802				
WHS1894	WHSP3 - Pre-bored H pile (6 nos)	0%	18	18	20-Sep-14	13-Oct-14	382				
WHS1896	WHSP3 - Pile Test	0%	28	28	14-Oct-14	10-Nov-14	472				
WHS1898	WHSP3 - Pile cap, Pier and Pier Head	0%	30	30	11-Nov-14	15-Dec-14	374				
WHS1910	WHSP4 - Pre-bored H pile (6 nos)	0%	18	18	14-Oct-14	03-Nov-14	402				
WHS1920	WHSP4 - Pile Test	0%	28	28	04-Nov-14	01-Dec-14	505				
WHS1930	WHSP4 - Pile cap, Pier and Pier Head	0%	30	30	16-Dec-14	22-Jan-15	374				
WHS1950	WHSP5 - Pre-bored H pile (6 nos)	0%	18	18	04-Nov-14	24-Nov-14	411				
WHS1960	WHSP5 - Pile Test	0%	28	28	25-Nov-14	22-Dec-14	520				
Crossing Fanling Highway Section											
WHS1470	WHSP1 - Pile cap, Pier and Pier Head	0%	73	52	18-Jun-14 A	16-Dec-14	720				
TWSR-East FL Highway S/B Side Section											
WHS2060	North Abutment Wall (AW1) - Pre-bored H pile (4 nos)	86.36%	3	22	20-Aug-14 A	23-Sep-14	310				
WHS2070	North Abutment Wall (AW1) - Pile Test	0%	28	28	24-Sep-14	21-Oct-14	755				
WHS2075	North Abutment Wall (AW1) - Temp Shoring	0%	45	45	24-Sep-14	17-Nov-14	310				
WHS2080	North Abutment Wall (AW1) -pile cap & abutment wall	0%	60	60	18-Nov-14	29-Jan-15	570				
Slip Road Y Construction											
Underground Utility Works											
DN600 and DN900 Watermain											
DN0990	DN600 & DN900 watermain laying (Ch8250-8370)(SA340) (near Z4	0%	20	20	31-Oct-14	22-Nov-14	-437				
VO - Wall 76A Construction											
Retaining Wall W76A											
TWSR-East FL Highway S/B Side Section											
W76A1016	W76A construction (bay 3, 4, 6-7)	31.25%	33	48	20-Aug-14 A	30-Oct-14	-437				
W76A1017	W76A backfilling work (bay 3, 4, 6-7)	0%	25	25	24-Nov-14	22-Dec-14	-437				
Other Works											
Retaining Wall W77A											
TWSR-East FL Highway S/B Side Section											
RWZ4.1060	Base slab & Wall (0-3m high)- RW77A (Ch.50-130)	0%	60	60	20-Sep-14	01-Dec-14	343				
RWZ4.1070	Backfilling (0-3m) - RW77A (Ch.50-130)	0%	30	30	02-Dec-14	08-Jan-15	598				
RWZ4.1075	Temp Shoring & Excavation	0%	45	45	18-Nov-14	12-Jan-15	310				
Retaining Wall W77B											
TWSR-East FL Highway S/B Side Section											
RWZ4.1092	Site Clearance	86.67%	4	30	21-Jul-14 A	24-Sep-14	474				
RWZ4.1100	Base slab & Wall (0-3m high)- RW77B (Ch 0-40)	0%	60	60	02-Dec-14	12-Feb-15	418				
Retaining Wall W78											
TWSR-East FL Highway S/B Side Section											
RWZ4.0900	Site Clearance	0%	30	30	25-Sep-14	31-Oct-14	504				
TCSS Works											
TCSS Pre-Construction Works											
TCSS0100	Acquire Design Criteria from Drawing & procurement	0%	180	180	20-Sep-14	06-May-15	409				

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014				2015
								Oct	Nov	Dec	Jan	
Contract Condition												
General												
Contract Condition												
POSSA310	Site Area SA 310 (395d)	0%	0	0	20-Oct-14*		-65					◆ Site Area SA 310 (395d)
POSSA320	Site Area SA320 (0d)	0%	0	0	20-Oct-14*		-56					◆ Site Area SA320 (0d)
POSSA320B	Site Area SA320B (0d)	0%	0	0	01-Jan-15*		0					◆ Site Area SA32
POSSA321	Site Area SA321 (120d)	0%	0	0	01-Jan-15*		0					◆ Site Area SA32
POSSA322A	Site Area SA322A (180d)	0%	0	0	01-Jan-15*		0					◆ Site Area SA32
POSSA322B	Site Area SA322B (180d)	0%	0	0	01-Jan-15*		0					◆ Site Area SA32
POSSA323	Site Area SA323 (360d)	0%	0	0	20-Oct-14*		-20					◆ Site Area SA323 (360d)
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Oct-14*		-99					◆ Site Area SA323A (360d) (not required)
POSSA327	Site Area SA327 (180d)	0%	0	0	01-Jan-15*		0					◆ Site Area SA32
Partial Possession Status												
Contract Condition												
Contract Condition												
POSSA320-180	SA320/ 326	0%	0	0	20-Oct-14		-157					◆ SA320/326
ZONE 1 (Ch. 5640 to 5880)												
Noise Barrier Along TWSR-West and Laying New Utilities												
Site Clearance & Demolition of Existing Structure												
General												
ADVZ10100	Site clearance (Additional Transplant - pending for VO)	6.67%	28	30	30-May-14 A	20-Nov-14	9					
NB42 (Ch.5640-5740)-TWSR West Side												
Noise Barrier Works												
NB00110	NB42 (Ch5640-5740) - Footing & Wall Structure	0%	45	45	16-Dec-14	09-Feb-15	87					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10100	Sheet Piling & Excavation (~5m below ground) (along NB42)	0%	21	21	21-Nov-14	15-Dec-14	72					
TSZ10130	Watermain installation (along NB42)	0%	30	30	16-Dec-14	22-Jan-15	72					
NB42A (Ch.5750-5810)-TWSR West Side												
Noise Barrier Works												
NB00190	NB42A (Ch5750-5810) - Footing & Wall Structure	0%	30	30	12-Dec-14	19-Jan-15	9					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10150	Sheet Piling & Excavation (~5m below ground) (along NB42A)	0%	18	18	21-Nov-14	11-Dec-14	9					
ZONE 2 (Ch. 5880 to 6930)												
Noise Barrier Along TWSR-West and Laying New Utilities												
Site Clearance & Demolition of Existing Structure												
Demolition Work												
Z2.P2N.1245	Method statement submission/ approval	36.67%	38	60	24-Jul-14 A	02-Dec-14	995					
Z2.P2N.1250	Construction of proposed SHRINE	0%	165	165	03-Dec-14	02-Jul-15	995					
Z2.P2N.1320	Demolition of villiage houses	0%	26	26	15-Sep-14 A	18-Nov-14	-47					
NB47 (Ch.5880-5930)-TWSR West Side												
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10250	Sheet Piling & Excavation (~6m below ground) (along NB47)	0%	18	18	02-Jan-15	22-Jan-15	-317					
NB48 (Ch.5995-6120)-TWSR West Side												
Noise Barrier Works												
NB00415	NB48 (NB48/5-10) Pre-drilling	0%	64	64	02-Jan-15	25-Mar-15	-91					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10400	Sheet Piling & Excavation (~5m below ground) (along NB48, 0-60m)	0%	21	21	20-Oct-14	12-Nov-14	-45					
TSZ10410	DSD Trunk Sewer laying (along NB48, 0-60m)	0%	18	18	13-Nov-14	03-Dec-14	-45					
TSZ10420	Backfill up to NB48, 0-60m footing level	0%	32	32	04-Dec-14	13-Jan-15	-45					
TSZ10430	Watermain installation (along NB48, 0-60m)	0%	30	30	14-Jan-15	17-Feb-15	-35					
NB49 (Ch.6145-6215)-TWSR West Side												
Noise Barrier Works												
NB00485	NB49 - Pre-drilling	0%	50	50	19-Nov-14	19-Jan-15	-47					
NB54 (Ch.6240-6280)-TWSR West Side												
Noise Barrier Works												
NB00605	NB54 - ID2-1 Pre-drilling (Deleted notified on 14-5, VO issued)	0%	0	0	20-Oct-14	20-Oct-14	-48					
NB00665	NB54 -Pre-drilling	0%	24	24	20-Oct-14	15-Nov-14	-48					
NB54A (Ch.6290-6350)-TWSR West Side												
Noise Barrier Works												
NB00730	NB54A -Pre-drilling	0%	48	36	26-Feb-14 A	13-Dec-14	-2					
NB00740	NB54A piling (0.19m -72no)	0%	108	108	05-May-14 A	05-Mar-15	-2					
NB57 (Ch.6365-6445)-TWSR West Side												
Noise Barrier Works												
NB00810	NB57 piling (0.19m -82no)	41.46%	72	123	09-Oct-14 A	14-Jan-15	-126					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10700	Sheet Piling & Excavation (~5m below ground) (along NB57)	0%	21	21	15-Jan-15	07-Feb-15	-126					
NB58 (Ch.6445-6480)-TWSR West Side												
Noise Barrier Works												
NB00875	Pending for RSS revised detail of NB58 - piling	0%	14	14	03-Sep-14 A	04-Nov-14	1937					
NB59 (Ch.6490-6590)-TWSR West Side												

Project ID: DWP Rev 01 (1410)
 Layout: 3 Month Rolling Program
 Page 1 of 5

Contract No. HY/2012/06
Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange
3 Month Rolling Program(20-Oct-14)



Date	Revision	C.	App...
22-Jan-14	IWP Rev 4		
26-Feb-14	IWP Rev 5		
13-May...	WP Rev 1		
30-Jun-14	WP Rev...		

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014				2015
								Oct	Nov	Dec	Jan	
Noise Barrier Works												
NB00940	NB59 -Pre-drilling	29.79%	33	47	05-May-14 A	26-Nov-14	-190					
NB00950	NB59 - piling (0.19m -94no)	0%	144	144	27-Nov-14	30-May-15	-190					
NB63 (Ch.6610-6700)-TWSR West Side												
Noise Barrier Works												
NB01020	NB63 - Footing & Wall Structure	43.33%	34	60	23-Jun-14 A	27-Nov-14	-174					
NB01040	NB63 - NB production	0%	45	45	28-Nov-14	11-Jan-15	1400					
NB4560	NB63 - ID3-1 Footing & Wall Structure	66.67%	20	60	14-Jun-14 A	11-Nov-14	-160					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10300	Sheet Piling & Excavation (~7m below ground) (along NB63)	0%	12	12	02-Jan-15	15-Jan-15	-201					
TSZ10310	DSD Trunk Sewer laying (along NB63)	0%	18	18	16-Jan-15	05-Feb-15	-201					
DSD Southern Trunk Sewer - Trenchless Construction												
TSZ10950	Construct Pipe jacking pits	0%	60	60	16-Jan-15	07-Apr-15	-39					
Box Culvert Extension ID1												
Structure Works												
ID1-0100	Box Culvert Extension ID1 structure	0%	118	118	20-Oct-14 A	30-Mar-15	-118					
Box Culvert Extension ID2												
Structure Works												
ID2-0100	Box Culvert Extension ID2 structure	0%	118	118	20-Oct-14 A	30-Mar-15	-118					
Bridge Construction												
New Tai Hang Footbridge												
General												
THBF0330	Structure steel Shop drawing submission (THFB)	0%	60	60	20-Oct-14	30-Dec-14	572					
THBF0335	Structure steel Shop drawing approval (THFB)	0%	30	30	11-Dec-14	17-Jan-15	572					
THBF0340	Structure steel procurement (THFB)	0%	150	150	17-Jan-15	16-Jun-15	717					
TWSR-West/ FL Highway N/B Side Section												
THBF0120	THP5 - Pre-bored H pile (8 nos)	0%	24	24	03-Nov-14	29-Nov-14	-128					
THBF0130	THP5 - Pile Test	0%	28	28	29-Nov-14	27-Dec-14	956					
THBF0140	THP5 - Pile cap, Pier and Pier Head	0%	45	45	15-Dec-14	07-Feb-15	759					
THBF0160	THP8, THP9 - Pre-bored H pile (8 nos)	0%	24	24	01-Dec-14	30-Dec-14	-128					
THBF0170	THP8, THP9 - Pile Test	0%	28	28	31-Dec-14	27-Jan-15	1051					
THBF0180	THP8, THP9 - Pile cap, Pier and Pier Head	0%	30	30	14-Jan-15	17-Feb-15	841					
THBF0200	THAB3 - Pre-bored H pile (4 nos)	0%	12	12	20-Oct-14	01-Nov-14	-128					
THBF0210	THAB3 - Pile Test	0%	28	28	01-Nov-14	29-Nov-14	1079					
THBF0220	THAB3 - pile cap & abutment wall	0%	30	30	17-Nov-14	20-Dec-14	861					
THBF0230	THAB3 - Backfilling (~4m)	0%	27	27	22-Dec-14	24-Jan-15	861					
THBF0290	THAB2 - Pre-bored H pile (18 nos)	0%	54	54	31-Dec-14	12-Mar-15	-128					
TWSR-East FL Highway S/B Side Section												
THBF0440	THAB1 - Predrilling	0%	12	12	20-Oct-14	01-Nov-14	697					
THBF0490	THP2 - Predrilling	0%	12	12	03-Nov-14	15-Nov-14	697					
THBF0700	THP3 - Predrilling	0%	6	6	17-Nov-14	22-Nov-14	715					
THBF0740	THP4 - Predrilling	0%	6	6	24-Nov-14	29-Nov-14	725					
New Tai Wo Footbridge												
General												
TWFB1010	Site Clearance	73.33%	8	30	25-Aug-14 A	28-Oct-14	-98					
TWFB1020	Structure steel Shop drawing submission (TWFB)	0%	90	90	20-Oct-14	04-Feb-15	793					
TWFB1030	Structure steel Shop drawing approval (TWFB)	0%	30	30	19-Jan-15	02-Mar-15	793					
TWSR-West/ FL Highway N/B Side Section												
TWFB1280	TWP4, TWP5 - Pre-bored H pile (14 nos)	0%	42	42	03-Jan-15	28-Feb-15	-81					
TWFB1320	TWAB1 - Pre-bored H pile (18 nos)	0%	54	54	29-Oct-14	02-Jan-15	-98					
TWFB1330	TWAB1 - Pile Test	0%	28	28	03-Jan-15	30-Jan-15	-121					
TWFB1340	TWAB1 - pile cap & abutment wall	0%	30	30	17-Jan-15	28-Feb-15	-99					
Temporary Tai Wo Footbridge												
Design Works												
TWFB-T1010	Design preparation	0%	90	90	20-Oct-14	04-Feb-15	224					
Demolition of Existing Tai Wo Footbridge												
TWSR-West/ FL Highway N/B Side Section												
TWFB-DE0900	Site Clearance	0%	30	30	20-Oct-14	22-Nov-14	611					
Noise Barrier Along Fanling Highway S/B												
NB51 (Ch.5935-6055)-FH S/B Side												
Noise Barrier Works												
NB02270	NB51 ID1-3 (0-25m) - Sheet piling & Excavation	0%	21	21	20-Oct-14	12-Nov-14	359					
NB02280	NB51 ID1-3 (0-25m) - Footing & Wall Structure	0%	90	90	13-Nov-14	09-Mar-15	359					
NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB03030	NB61A (75-190m) - backfilling	0%	80	80	18-Oct-14 A	23-Jan-15	-186					
NB03040	NB61A (75-190m) - NB production	0%	45	45	20-Oct-14	03-Dec-14	1439					
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	04-Dec-14	09-Dec-14	1154					
Other Works												
Site Clearance & Demolition of Existing Structure												
Contract Condition												
MCLT1040	Engineer approval	0%	12	12	16-Sep-14 A	01-Nov-14	-79					
MCLT1050	Apply cert for exemption by DLO by Engineer	0%	12	12	03-Nov-14	15-Nov-14	-79					
MCLT1060	Design available for construction	0%	0	0		15-Nov-14	-79					

15-Nov-14 ♦ Design available for construction

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014				2015
								Oct	Nov	Dec	Jan	
MCLT1070	Method Statement submission & Demolish House for New MCLT	0%	40	40	20-Oct-14	04-Dec-14	1911					
MCLT1080	Construct New MCLT (Structure)	0%	60	60	17-Nov-14	28-Jan-15	-79					
General												
Z2.P2N.1000	Liaison with relevant villages houses's owner and related parties	26.67%	22	30	10-Oct-14 A	13-Nov-14	-277					
Z2.P2N.1010	Submission of contractor's design for site formation	0%	28	28	14-Nov-14	16-Dec-14	-277					
Z2.P2N.1020	Approval of contractor's Design by Engineer	0%	14	14	27-Dec-14	13-Jan-15	-277					
Z2.P2N.1030	Submission of DIA & SIA report to DSD	0%	14	14	01-Dec-14	16-Dec-14	-277					
Z2.P2N.1040	Consent from DSD	0%	21	21	17-Dec-14	13-Jan-15	-277					
Z2.P2N.1050	Temporary access road construction	0%	21	21	02-Jan-15	26-Jan-15	-277					
Z2.P2N.1060	Site clearance	0%	10	10	02-Jan-15	13-Jan-15	-277					
Z2.P2N.1070	SA322A: Tree Removal Works	0%	14	14	14-Jan-15	29-Jan-15	-277					
Z2.P2N.1080	Site fomration works (Demolition of existing villiage houses with log no.	0%	50	50	19-Jan-15	25-Mar-15	-277					
South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)												
General												
General												
General												
POSSA329a10	Site Clearance/ Trip Pit etc	0%	30	30	20-Oct-14	22-Nov-14	-104					
Noise Barrier Along TWSR-West and Laying New Utilities												
NB63A (Ch.6710-6840)-TWSR West Side												
Noise Barrier Works												
NB01090	NB63A-1 - NB production	0%	45	45	20-Oct-14	03-Dec-14	799					
NB01120	NB63A-2 - Footing & Wall Structure (ch10.7-24.2)	0%	30	30	20-Oct-14	22-Nov-14	100					
NB01140	NB63A-2 - NB production	0%	45	45	22-Nov-14	06-Jan-15	765					
NB01170	NB63A-3 - Footing & Wall Structure (ch24.2-86.9)	0%	50	50	24-Nov-14	23-Jan-15	100					
NB64 & NB64A (Ch.6860-6920)-TWSR West Side												
Noise Barrier Works												
NB001010	NB64 & NB64A -piling (0.19m -78no)	0%	90	90	20-Oct-14	04-Feb-15	-145					
Bridge Construction												
Kau Lung Hang Vehicular Bridge												
General												
Z2.KLH.1070	Consent from Engineer	10.71%	25	28	28-Nov-13 A	17-Nov-14	-57					
KLH Bridge - West Ramp												
Z2.KLH.0910	West Abutment- pre-bored H-pile piling works (13nos)	12.82%	34	39	15-Oct-14 A	27-Nov-14	-66					
Z2.KLH.1002	West Abutment- Pile cap & Structural Wall	0%	90	90	28-Nov-14	24-Mar-15	-66					
KLH Bridge - Deck 1												
Z2.KLH.1010	Pier VBP1- Pre-bored H-pile piling works (6 Nos.)	0%	18	18	23-Oct-14 A	08-Nov-14	62					
Z2.KLH.1012	Pier VBP1- Pile testing	0%	28	28	10-Nov-14	11-Dec-14	62					
Z2.KLH.1018	Pier VBP2- Pre-bored H-pile piling works (8 Nos.)	0%	24	24	10-Nov-14	06-Dec-14	138					
Z2.KLH.1020	Pier VBP2- Pile testing	0%	28	28	08-Dec-14	12-Jan-15	138					
KLH Bridge - Ramp R1												
Z2.KLH.1440	Ramp R1 - Pre-bored H-pile piling works (R1P1-P3) (9 Nos.)	0%	27	27	30-Sep-14 A	28-Nov-14	233					
Z2.KLH.1450	Ramp R1 - Pile caps and pier construction (R1P1)	0%	40	40	28-Nov-14	16-Jan-15	233					
Z2.KLH.1660	Ramp R1 - Pile caps and pier construction (R1P2)	0%	40	40	17-Jan-15	12-Mar-15	233					
Z2.KLH.1710	Ramp R1 - Abutment R1 - base slab & wall	0%	45	45	20-Oct-14	10-Dec-14	312					
Z2.KLH.1720	Ramp R1 - Abutment R1 - Top slab	0%	30	30	11-Dec-14	17-Jan-15	312					
Z2.KLH.1730	Ramp R1 - Abutment R1 - Staircase	0%	90	90	19-Jan-15	15-May-15	312					
KLH Bridge - Deck 3												
Z2.KLH.1325	Construct Temp Road - For diversion of existing TWR east	0%	20	20	24-Nov-14	16-Dec-14	-104					
Z2.KLH.1330	VBP6 - Diversion of TWSR east to temporary diversion work	0%	1	1	17-Dec-14	17-Dec-14	-104					
Z2.KLH.1340	VBP6 - Pre-drilling work	0%	5	5	18-Dec-14	23-Dec-14	-104					
Z2.KLH.1350	VBP6 - Pre-bored H-pile piling works (12 Nos.)	0%	60	60	24-Dec-14	14-Mar-15	-104					
Z2.KLH.1810	East Abutment - Pile caps, abutment wall construction	0%	75	75	20-Oct-14 A	17-Jan-15	-63					
Z2.KLH.1890	VBP8 - Pile caps, pier and pier head construction	0%	75	75	19-Jan-15	27-Apr-15	-63					
KLH Bridge - Deck 2												
Z2.KLH.1142	Deck 2 precast concrete beam Shop drawing submission & approval	0%	150	150	02-Jan-15	31-May-15	17					
Z2.KLH.1190	Temp road diversion at TWSR-W for TTA for VBP5 works	0%	45	45	24-Nov-14	17-Jan-15	-41					
Z2.KLH.1220	VBP5- Pile cap, pier, pier head construction	0%	80	80	19-Jan-15	04-May-15	-41					
KLH Bridge - Ramp R2												
Z2.KLH.1510	Ramp R2 - Pre-drilling work	10.71%	25	28	06-Feb-14 A	17-Nov-14	90					
Z2.KLH.1520	Ramp R2 - Pre-bored H-pile piling works (18 Nos.)	0%	54	54	27-Jun-14 A	30-Dec-14	90					
Z2.KLH.1530	Ramp R2 - Pile cap, abutment and pier construction	0%	120	120	27-Dec-14	30-May-15	90					
Z2.KLH.1590	Land Possession for House 190B	0%	0	0		20-Oct-14*	-14					
20-Oct-14* ♦ Land Possession for House 190B												
Demolition of Existing Nam Wa Po Footbridge												
General												
Z2.NWP.0500	Site Clearance	0%	26	20	29-Aug-14 A	18-Nov-14	-137					
Z2.NWP.1000	Modification of Existing Planter for Pier of Temporary Footbridge	0%	25	25	19-Nov-14	17-Dec-14	-137					
Z2.NWP.1010	Removal of Existing Staircase Portion	0%	26	26	18-Dec-14	20-Jan-15	-137					
North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)												
Site Formation												
Site Formation Works												
Site Formation Work												
Z4SF1070	Backfilling (~2000m3)	70.56%	53	180	10-May-14 A	19-Dec-14	-107					
Retaining Wall W76												

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014				
								Oct	Nov	Dec	2015 Jan	
Structure Works												
RW761085	Wall construction - W76 (~7m high)	10%	36	40	03-Oct-14 A	29-Nov-14	-105					
Z4SF1090	Watermains installation	0%	21	21	20-Dec-14	16-Jan-15	-107					
Z4SF1100	Firemain installation	0%	21	21	20-Dec-14	16-Jan-15	-107					
Z4SF1110	Backfilling up to road finishes level	0%	30	30	17-Jan-15	28-Feb-15	-107					
Bridge Construction												
New Ho Ka Yuen Footbridge												
General												
HKY1040	Structure steel Shop drawing approval (HKYB)	86.67%	4	30	25-Aug-14 A	23-Oct-14	-136					
HKY1050	Structure steel procurement (HKYB)	0%	150	150	24-Oct-14	22-Mar-15	-164					
TWSR-West/ FL Highway N/B Side Section												
HKY1135	Soil nail works	0%	50	50	20-Oct-14	16-Dec-14	-119					
HKY1150	HKYP6 - Pre-bored H pile (8 nos)	0%	24	24	17-Dec-14	16-Jan-15	-119					
HKY1160	HKYP6 - Pile Test	0%	28	28	17-Jan-15	13-Feb-15	-42					
HKY1172	HKYP1 - Pre-drilling	0%	12	12	20-Oct-14	01-Nov-14	38					
HKY1174	HKYP1 - Pre-bored H pile (4 nos)	0%	12	12	17-Jan-15	30-Jan-15	-12					
HKY1220	HKYAB3 - Pre-drilling	0%	12	12	20-Oct-14	01-Nov-14	-57					
HKY1230	HKYAB3 - Pre-bored H pile (4 nos)	0%	12	12	17-Jan-15	30-Jan-15	-119					
HKY1275	Existing HKY bridge structure removed (TWSR-W)	0%	0	0		02-Dec-14	-95					
HKY1280	HKYP7 - Pre-drilling	0%	18	18	03-Jan-15	23-Jan-15	-63					
HKY1320	HKYAB4 - Pre-drilling	0%	24	24	03-Dec-14	02-Jan-15	-95					
TWSR-East FL Highway S/B Side Section												
HKY1530	HKYAB1 - pile cap & abutment wall	0%	30	30	20-Oct-14	22-Nov-14	-18					
HKY1540	HKYAB1 - Backfilling (~3m)	0%	20	20	24-Nov-14	16-Dec-14	-18					
HKY1570	HKYP3 - Pile Test	0%	28	28	20-Oct-14	16-Nov-14	-30					
HKY1580	HKYP3 - Pile cap, Pier and Pier Head	0%	45	45	03-Nov-14	24-Dec-14	-25					
HKY1760	HKYP4 - Pile cap, Pier and Pier Head	0%	45	45	11-Dec-14	04-Feb-15	-28					
HKY1800	HKYP5 - Pile cap, Pier and Pier Head	0%	45	45	18-Sep-14 A	10-Dec-14	-28					
HKY1830	HKYAB2 - Pile Test	0%	31	28	19-Sep-14 A	19-Nov-14	-63					
HKY1840	HKYAB2 - pile cap & abutment wall	0%	60	60	20-Nov-14	31-Jan-15	-52					
Demolition of Existing Ho Ka Yuen Footbridge												
TWSR-West/ FL Highway N/B Side Section												
HKY1910	Demolish existing ramp & staircase at TWSR-W	5%	38	40	17-Oct-14 A	02-Dec-14	-95					
TWSR-East Construction												
NB74 (Ch.7930-7980)-FH S/B Side												
Noise Barrier Works												
NB4005	NB74 - Footing & Wall Structure	0%	70	70	20-Dec-14	23-Mar-15	205					
ZONE 4 (Ch. 7925 to 8700)												
Noise Barrier Along TWSR-West and Laying New Utilities												
NB75 (Ch.7930-8090)-FH N/B Side												
Noise Barrier Works												
NB4100	NB75 -Pre-drilling (Ch7990-8000)-(HKY-P1)	0%	24	24	03-Nov-14	29-Nov-14	38					
Bridge Construction												
New Wo Hop Shek Pedstrian & Cycle Bridge												
General												
WHS1030	Structure steel Shop drawing approval (WHSB)	90%	3	30	23-Aug-14 A	22-Oct-14	317					
WHS1040	Structure steel procurement (WHSB)	0%	150	150	23-Oct-14	21-Mar-15	393					
TWSR-West/ FL Highway N/B Side Section												
WHS1160	WHSP2 - Pre-bored H pile (8 nos)	0%	24	24	03-Nov-14	29-Nov-14	300					
WHS1170	WHSP2 - Pile Test	0%	28	28	29-Nov-14	27-Dec-14	374					
WHS1180	WHSP2 - Pile cap, Pier and Pier Head	0%	45	45	15-Dec-14	07-Feb-15	300					
WHS1200	WHSP6 - Pre-bored H pile (6 nos)	0%	18	18	01-Dec-14	20-Dec-14	331					
WHS1210	WHSP6 - Pile Test	0%	28	28	20-Dec-14	17-Jan-15	418					
WHS1224	WHSP7 - Pre-bored H pile (6 nos)	0%	18	18	22-Dec-14	14-Jan-15	354					
WHS1226	WHSP7 - Pile Test	0%	28	28	15-Jan-15	11-Feb-15	450					
WHS1240	WHSAB1 - Pre-bored H pile (4 nos)	0%	12	12	20-Oct-14	01-Nov-14	300					
WHS1250	WHSAB1 - Pile Test	0%	28	28	01-Nov-14	29-Nov-14	979					
WHS1260	WHSAB1 - pile cap & abutment wall	0%	30	30	17-Nov-14	20-Dec-14	779					
WHS1270	WHSAB1 - Backfilling (~4m)	0%	27	27	22-Dec-14	24-Jan-15	779					
WHS1894	WHSP3 - Pre-bored H pile (6 nos)	0%	18	18	20-Oct-14	08-Nov-14	359					
WHS1896	WHSP3 - Pile Test	0%	28	28	08-Nov-14	06-Dec-14	446					
WHS1898	WHSP3 - Pile cap, Pier and Pier Head	0%	30	30	08-Dec-14	14-Jan-15	351					
WHS1910	WHSP4 - Pre-bored H pile (6 nos)	0%	18	18	10-Nov-14	29-Nov-14	379					
WHS1920	WHSP4 - Pile Test	0%	28	28	29-Nov-14	27-Dec-14	479					
WHS1930	WHSP4 - Pile cap, Pier and Pier Head	0%	30	30	15-Jan-15	18-Feb-15	351					
WHS1950	WHSP5 - Pre-bored H pile (6 nos)	0%	18	18	01-Dec-14	20-Dec-14	388					
WHS1960	WHSP5 - Pile Test	0%	28	28	20-Dec-14	17-Jan-15	494					
Crossing Fanling Highway Section												
WHS1470	WHSP1 - Pile cap, Pier and Pier Head	3.85%	50	52	18-Jun-14 A	16-Dec-14	720					
TWSR-East FL Highway S/B Side Section												
WHS2075	North Abutment Wall (AW1) - Temp Shoring	0%	45	45	20-Oct-14	10-Dec-14	290					
WHS2080	North Abutment Wall (AW1) -pile cap & abutment wall	0%	60	60	11-Dec-14	02-Mar-15	550					

Activity ID	Activity Name	Duration % Complete	Remaining Duration	Original Duration	Start	Finish	Total Float	2014				2015
								Oct	Nov	Dec	Jan	
Slip Road Y Construction												
Underground Utility Works												
DN600 and DN900 Watermain												
DN0990	DN600 & DN900 watermain laying (Ch8250-8370)(SA340) (near Z4	0%	20	20	31-Oct-14	22-Nov-14	-437					
DN1030	DN600 & DN900 watermain laying (Ch7925-8050)(SA346)	0%	120	120	20-Dec-14	26-May-15	-85					
VO - Wall 76A Construction												
Retaining Wall W76A												
TWSR-East FL Highway S/B Side Section												
W76A1016	W76A construction (bay 3, 4, 6-7)	79.17%	10	48	20-Aug-14 A	30-Oct-14	-437					
W76A1017	W76A backfilling work (bay 3, 4, 6-7)	0%	25	25	24-Nov-14	22-Dec-14	-437					
W76A1018	Temp. road work for TTA for W76A (TTA-2)	0%	26	26	23-Dec-14	24-Jan-15	-437					
Other Works												
Retaining Wall W77A												
TWSR-East FL Highway S/B Side Section												
RWZ4.1060	Base slab & Wall (0-3m high)- RW77A (Ch.50-130)	0%	60	60	20-Oct-14	30-Dec-14	320					
RWZ4.1070	Backfilling (0-3m) - RW77A (Ch.50-130)	0%	30	30	31-Dec-14	04-Feb-15	575					
RWZ4.1075	Temp Shoring & Excavation	0%	45	45	11-Dec-14	04-Feb-15	290					
Retaining Wall W77B												
TWSR-East FL Highway S/B Side Section												
RWZ4.1092	Site Clearance	86.67%	4	30	21-Jul-14 A	23-Oct-14	451					
RWZ4.1100	Base slab & Wall (0-3m high)- RW77B (Ch 0-40)	0%	60	60	31-Dec-14	19-Mar-15	395					
Retaining Wall W78												
TWSR-East FL Highway S/B Side Section												
RWZ4.0900	Site Clearance	0%	30	30	24-Oct-14	27-Nov-14	481					
TCSS Works												
TCSS Pre-Construction Works												
TCSS0100	Acquire Design Criteria from Drawing & procurement	0%	180	180	20-Oct-14	03-Jun-15	386					

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

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

Air Quality – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 14	Sep 14	Oct 14
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	V	@
	Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas.		V	V	+
	All spraying of materials and surfaces shall avoid excessive water usage.		V	V	V
	Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards.		V	V	V
	Materials shall be dampened, if necessary, before transportation.		V	V	V
	Travelling speeds shall be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks.		V	V	V
	Vehicle washing facilities shall be provided to minimize the quantity of material deposited on public roads.		V	@	V

Noise – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 14	Sep 14	Oct 14
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).		#	#	#
	3 m high temporary noise barrier along the northern edge of Bridge 12 at ground level (Figure 2b of the Environmental Permit).		#	#	#
	2 m high temporary noise barrier along the northern edge of Bridge 12 at bridge level (Figure 2b of the Environmental Permit).		#	#	#
	2.5 m high temporary noise barrier along Tai Wo Service Road West (Figure 2c of the Environmental Permit).		#	#	#
	3.5m and 7m high temporary noise barrier along Tai Wo Services Road West near Tai Hang (Figure 2c of the Environmental Permit).		#	#	#
	7 m high temporary noise barrier along Tai Wo Service Road West near Tai Wo Footbridge work area (Figure 2d of the Environmental Permit).		#	#	#
	7 m high temporary noise barrier near Kiu Tau Footbridge work area (Figure 2d of the Environmental Permit).		#	#	#
	2.5 m high temporary noise barrier near river diversion work area (Figure 2e of the Environmental Permit).		#	#	#

Water Quality – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 14	Sep 14	Oct 14
Water quality during construction	Demolition and reconstruction of bridges <ul style="list-style-type: none"> - Prevent off-site migration through use of sheet piles. - Minimise duration of works as far as practical. - All sewer and drainage connections should be sealed to prevent debris, soil, sand, etc, from entering public sewers/drains. - Site surface runoff should be settled to remove sand/silt before it is discharged into the existing storm drains. 	During construction	#	#	V
	Road Widening Works, Earthworks and Culvert Extension Works <ul style="list-style-type: none"> - Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul sewers, after the removal of settleable solids, and pH adjustment as necessary. All sewage discharges from the study area should meet the TM standards and approval from EPD through the licensing process is required. - Sand traps, oil interceptors and other pollution prevention installations should be provided, properly cleaned and maintained. - Runoff from exposed working areas, unfinished slopes and from unlined temporary channels should be directed to stilling basins and/or silt traps before discharging to the drainage outfalls. - Regular inspections of stilling basins and/or silt traps is required to ensure that sediment is not conveyed into the existing drainage system. - Open stockpiles should be covered with a tarpaulin cover. - During the wet season, any exposed top soils should be covered with a tarpaulin, shotcreted or hydroseeded. - Sand and silt from wash-water from vehicle washing should be settled out before discharging into storm drains. - Fuels should be stored in bunded areas such that spillage can be easily collected. 		V	+	@

Waste – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 14	Sep 14	Oct 14
Waste management during construction	<p>General Waste</p> <ul style="list-style-type: none"> - Transport of wastes off site as soon as possible. - Maintenance of accurate waste records. - Minimisation of waste generation for disposal (via reduction/recycling/re-use). - No on-site burning will be permitted. - Use of re-useable metal hoardings/signboards. 	During construction	V	V	@
	<p>Vegetation from site clearance</p> <ul style="list-style-type: none"> - Segregation of materials to facilitate disposal. - Mulching to reduce bulk and where possible review opportunities for the possible beneficial use within landscaping areas. 		V	V	V
	<p>Demolition Wastes</p> <ul style="list-style-type: none"> - Segregation of materials to facilitate disposal. - Appropriate stockpile management. 		V	V	V
	<p>Excavated Materials</p> <ul style="list-style-type: none"> - Segregation of materials to facilitate disposal / reuse. - Appropriate stockpile management. - Re-use of excavated material on or off site (where possible). - Special handling and disposal procedures in the event that contaminated materials are excavated. 		V	V	V
	<p>Construction Wastes</p> <ul style="list-style-type: none"> - Segregation of materials to facilitate recycling/reuse (within designated area in appropriate containers/stockpiles). - Appropriate stockpile management. - Planning to reduce over ordering and waste generation. - Recycling and re-use of materials where possible (e.g. metal, wood from formwork) - For material which cannot be re-used/recycled, collection should be carried out by an approved waste contractor for landfill disposal. 		V	V	V
	<p>Bentonite Slurries</p> <ul style="list-style-type: none"> - Bentonite slurries should be reused as far as possible. - Disposal in accordance with Practice Note For Professional Persons ProPECC PN 1/94. 		#	#	#

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

Ecology – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 14	Sep 14	Oct 14
Ecology during construction	<p>Accurate Delineation of Works Area</p> <ul style="list-style-type: none"> - Boundaries of proposed works areas shall be clearly identified and separated from external areas by a physical barrier to prevent encroachment of adjacent habitats. - Individual trees which fall within the works areas but which work plans do not require removal are to be retained and fenced off to maximize protection. 	During construction	V	V	V
	<p>Vegetation Clearance</p> <ul style="list-style-type: none"> - No fires shall be lit within the works area for the purpose of burning cleared vegetation. - The Contractor shall give consideration to mulching the cleared vegetation for recycling within the works area / adjacent land. 		V	V	V
	<p>Dust generation</p> <p>There are a number of measures which shall be taken as specified in the Air Pollution Control (Construction Dust) Regulation on 'Dust Control Requirements, including the following key measures to be applied during construction:</p> <ul style="list-style-type: none"> - Vehicle washing facilities to be provided at every discernible or designated vehicle exit point; - All temporary site access roads shall be sprayed with water to suppress dust as necessary; - All dusty materials should be sprayed with water immediately prior to any handling; and - All debris should be covered entirely by impervious sheeting or stored in a sheltered debris collection area. 		V	V	V
	<p>Surface Run-off</p> <p>In general, mitigation measures shall be in accordance with ProPECC PN1/94 on 'Construction Site Drainage'. Key measures include:</p> <ul style="list-style-type: none"> - Bund and cover stock piles to avoid run-off; - Channel any run-off through a system of oil, grease and sediment / silt traps and reuse water on site where ever practical; - All vehicle maintenance to be undertaken within a bunded area; and - Maximise vegetation retention on-site to maximise absorption (minimise transport). 		V	V	V

Landscape and Visual Impact – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Responsibility		
			Aug 14	Sep 14	Oct 14
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/m ³	500 µg/m ³

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

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

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

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

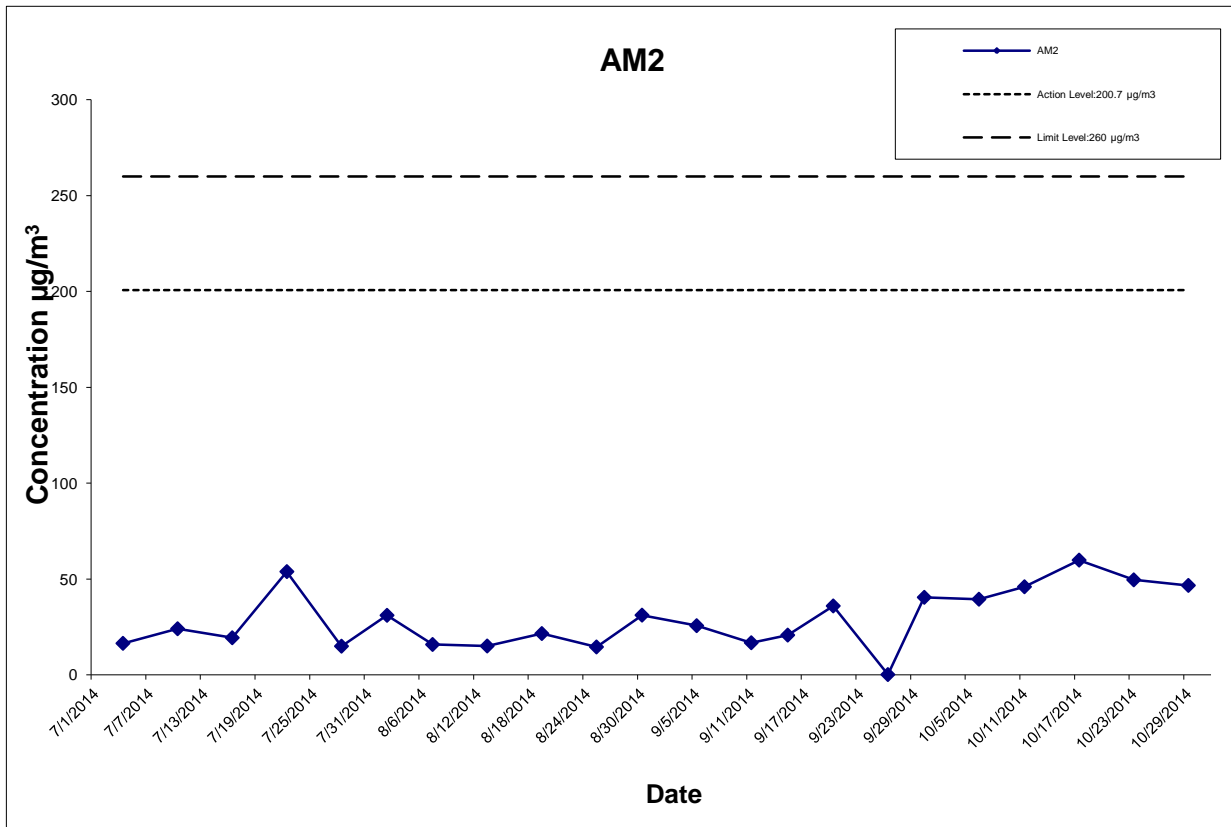
*Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65dB(A) applies during school examination period

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

Impact Air Quality Monitoring Results

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

Date	Weather Condition	Air Temp. (°C)	Atmospheric Pressure(hPa)	Flow Rate (m ³ /min.)		Av. flow (m ³ /min)	Total vol. (m ³)	Filter Weight (g)		Particulate weight(g)	Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Actino Level (µg/m ³)	Limit Level (µg/m ³)
				Initial	Final			Initial	Final		Initial	Final				
4-Jul-14	Sunny	30.9	1004.0	1.314	1.314	1.314	1892.2	2.7084	2.7397	0.0313	4161.02	4185.02	24.00	16.5	200.7	260
10-Jul-14	Fine	30.1	1003.9	1.314	1.314	1.314	1892.2	2.7170	2.7626	0.0456	4185.02	4209.02	24.00	24.1	200.7	260
16-Jul-14	Sunny	30.2	1007.9	1.314	1.314	1.314	1892.2	2.6473	2.6840	0.0367	4209.02	4233.02	24.00	19.4	200.7	260
22-Jul-14	Sunny	29.4	1002.6	1.314	1.314	1.314	1892.2	2.6721	2.7741	0.1020	4233.02	4257.02	24.00	53.9	200.7	260
28-Jul-14	Sunny	29.6	1006.3	1.314	1.314	1.314	1892.2	2.7296	2.7580	0.0284	4257.02	4281.02	24.00	15.0	200.7	260
2-Aug-14	Sunny	29.7	1001.4	1.314	1.314	1.314	1892.2	2.7041	2.7630	0.0589	4281.02	4305.02	24.00	31.1	200.7	260
7-Aug-14	Fine	29.0	1003.3	1.314	1.314	1.314	1892.2	2.7355	2.7656	0.0301	4305.02	4329.02	24.00	15.9	200.7	260
13-Aug-14	Rainy	26.0	1003.5	1.314	1.314	1.314	1892.2	2.7245	2.7530	0.0285	4329.02	4353.02	24.00	15.1	200.7	260
19-Aug-14	Sunny	27.4	1008.7	1.314	1.314	1.314	1892.2	2.7675	2.8083	0.0408	4353.02	4377.02	24.00	21.6	200.7	260
25-Aug-14	Sunny	29.9	1010.1	1.314	1.314	1.314	1892.2	2.6675	2.6951	0.0276	4377.02	4401.02	24.00	14.6	200.7	260
30-Aug-14	Sunny	30.1	1011.1	1.314	1.314	1.314	1892.2	2.7063	2.7654	0.0591	4401.02	4425.02	24.00	31.2	200.7	260
5-Sep-14	Sunny	29.7	1007.2	1.314	1.314	1.314	1892.2	2.7102	2.7588	0.0486	4425.02	4449.02	24.00	25.7	200.7	260
11-Sep-14	Sunny	30.3	1008.0	1.314	1.314	1.314	1892.2	2.7923	2.8240	0.0317	4449.02	4473.02	24.00	16.8	200.7	260
15-Sep-14	Cloudy	29.2	1001.8	1.314	1.314	1.314	1892.2	2.8107	2.8501	0.0394	4473.02	4497.02	24.00	20.8	200.7	260
20-Sep-14	Sunny	29.2	1004.0	1.314	1.314	1.314	1892.2	2.7784	2.8466	0.0682	4497.02	4521.02	24.00	36.0	200.7	260
26-Sep-14	Fine	28.4	1012.5	1.314	1.314	1.314	1892.2	2.7472	2.7475	0.0003	4521.02	4545.02	24.00	0.2	200.7	260
30-Sep-14	Sunny	29.6	1011.1	1.314	1.314	1.314	1892.2	2.7928	2.8694	0.0766	4545.02	4569.02	24.00	40.5	200.7	260
6-Oct-14	Sunny	26.8	1015.1	1.314	1.314	1.314	1892.2	2.7481	2.8228	0.0747	4545.02	4569.02	24.00	39.5	200.7	260
11-Oct-14	Sunny	27.9	1010.9	1.314	1.314	1.314	1892.2	2.7725	2.8595	0.0870	4617.02	4641.02	24.00	46.0	200.7	260
17-Oct-14	Sunny	25.0	1017.5	1.314	1.314	1.314	1892.2	2.7651	2.8784	0.1133	4614.02	4638.02	24.00	59.9	200.7	260
23-Oct-14	Fine	24.8	1016.2	1.314	1.314	1.314	1892.2	2.7916	2.8855	0.0939	4638.02	4662.02	24.00	49.6	200.7	260
29-Oct-14	Sunny	25.2	1017.0	1.314	1.314	1.314	1892.2	2.8114	2.8997	0.0883	4662.02	4686.02	24.00	46.7	200.7	260
Average for the reporting quarter (Aug to Oct 14)														30.1		
Minimum for the reporting quarter (Aug to Oct 14)														0.2		
Maximum for the reporting quarter (Aug to Oct 14)														59.9		



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



Graphical Presentation of Impact 24-hour TSP Monitoring Results

Project No.: 60307376

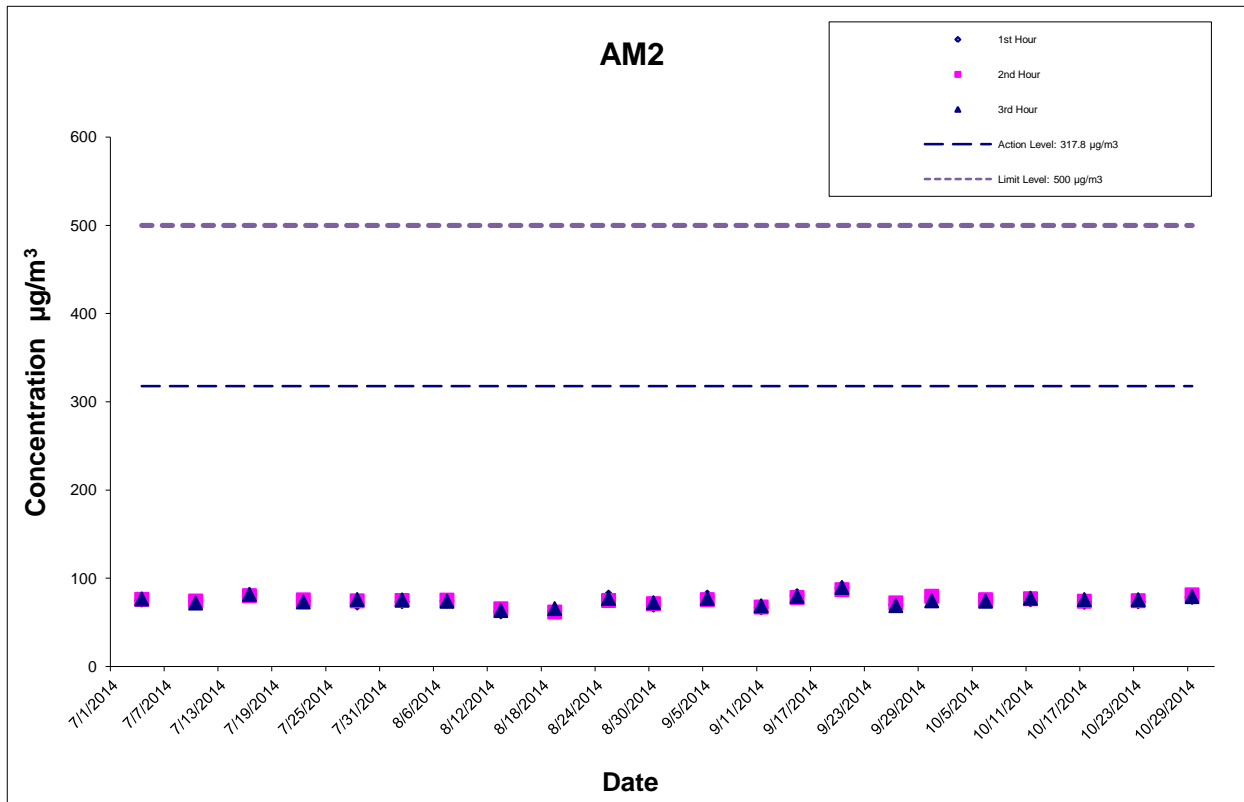
Date: Nov-14

Appendix E

Impact Air Quality Monitoring Results

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

Date	Start Time (hh:mm)	1st Hour Conc. ($\mu\text{g}/\text{m}^3$)	2nd Hour Conc. ($\mu\text{g}/\text{m}^3$)	3rd Hour Conc. ($\mu\text{g}/\text{m}^3$)
4-Jul-14	10:47	75.4	76.1	76.6
10-Jul-14	10:18	73.5	74.2	71.9
16-Jul-14	9:49	81.4	80.3	81.7
22-Jul-14	10:13	74.2	75.5	73.1
28-Jul-14	10:00	72.0	74.4	76.0
2-Aug-14	13:02	73.5	74.8	75.5
7-Aug-14	11:09	74.1	75.2	73.9
13-Aug-14	11:45	62.0	65.4	63.4
19-Aug-14	14:05	62.4	61.7	65.6
25-Aug-14	12:00	78.6	74.8	77.2
30-Aug-14	10:10	69.6	71.2	72.4
5-Sep-14	12:00	78.6	75.8	77.2
11-Sep-14	14:00	66.6	67.4	68.8
15-Sep-14	12:45	80.2	78.2	79.5
20-Sep-14	10:50	88.8	87.1	89.6
26-Sep-14	13:05	69.9	72.1	69.0
30-Sep-14	11:40	78.8	79.6	74.4
6-Oct-14	14:12	74.4	75.7	74.0
11-Oct-14	14:10	75.7	76.8	77.4
17-Oct-14	13:30	72.8	74.0	75.9
23-Oct-14	16:00	73.5	74.6	75.7
29-Oct-14	12:00	78.4	81.2	79.2
Average for the reporting quarter (Aug to Oct 14)				74.4
Minimum for the reporting quarter (Aug to Oct 14)				61.7
Maximum for the reporting quarter (Aug to Oct 14)				89.6



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



Graphical Presentation of Impact 1-hour TSP Monitoring Results

**APPENDIX F
METEROLOGICAL DATA**

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

Climatological Information Services > Extracts of Climatological Data > Extract of Automatic Weather Station > Station: Tai Po Automatic Weather Station, Year: 2014, Month: August

Extract of Meteorological Observations for Tai Po Automatic Weather Station, August 2014 (Table 1)

Date	Mean Pressure at M.S.L. (hPa)	Air Temperature			Mean Dew Point Temperature (deg C)	Relative Humidity		
		Max. (deg C)	Mean (deg C)	Min. (deg C)		Max. (%)	Mean (%)	Min. (%)
Aug 1	1000.2	35.6	29.8	24.7	24.5	97	75	48
Aug 2	1000.5	34.1	29.3	24.4	25.0	96	78	56
Aug 3	1001.0	31.0	27.9	25.3	25.3	96	86	74
Aug 4	1001.6	30.6	28.3	25.3	25.8	98	86	73
Aug 5	1002.6	30.9	28.8	26.8	25.9	95	85	70
Aug 6	1002.8	29.1	27.7	25.8	25.7	97	89	77
Aug 7	1002.4	32.1	27.7	25.6	25.9	96	90	69
Aug 8	1002.1	32.2	29.1	26.0	25.2	93	80	62
Aug 9	1003.3	33.5	29.4	26.4	25.3	96	80	57
Aug 10	1003.6	32.8	29.8	28.0	25.0	88	76	63
Aug 11	1002.3	31.7	29.0	27.2	25.4	95	81	61
Aug 12	1001.1	31.6	28.2	26.0	25.9	97	88	72
Aug 13	1002.8	26.8	25.5	24.7	25.0	99	97	91
Aug 14	1007.2	30.3	27.5	25.1	25.2	98	87	73
Aug 15	1009.2	32.9	28.8	25.7	24.9	96	81	61
Aug 16	1007.6	33.0	29.1	26.3	24.6	92	77	59
Aug 17	1006.2	33.4	29.1	25.1	24.2	90	75	56
Aug 18	1007.2	33.5	29.6	26.5	24.3	90	74	53
Aug 19	1007.7	31.7	27.2	24.4	24.7	98	87	68
Aug 20	1009.7	25.8	24.5	23.4	23.6	98	95	88
Aug 21	1010.0	29.1	26.1	23.5	24.0	99	89	73
Aug 22	1009.9	30.2	27.1	25.4	24.8	96	88	69
Aug 23	1009.0	31.1	27.8	25.2	24.7	94	83	70
Aug 24	1008.9	31.8	28.3	25.2	24.1	93	79	60
Aug 25	1009.4	33.0	28.9	25.6	24.7	93	79	57
Aug 26	1010.0	32.5	29.2	26.4	25.0	94	79	61
Aug 27	1009.6	30.4	29.1	27.3	24.9	93	78	67
Aug 28	1011.6	30.6	29.0	28.0	25.1	89	80	66
Aug 29	1011.8	32.0	29.1	26.6	24.5	95	77	58
Aug 30	1010.4	31.9	29.0	26.2	24.3	90	77	59
Aug 31	1008.9	30.4	28.7	26.8	25.2	92	81	71

Mean	1006.1	31.5	28.3	25.8	24.9	95	82	66
Maximum	1011.8	35.6	29.8	28.0	25.9	99	97	91
Minimum	1000.2	25.8	24.5	23.4	23.6	88	74	48

**Extract of Meteorological Observations for Tai Po Automatic Weather Station, August 2014
(Table 2)**

Date	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
Aug 1	*****	***	*****
Aug 2	*****	***	*****
Aug 3	*****	***	*****
Aug 4	*****	***	*****
Aug 5	*****	***	*****
Aug 6	*****	***	*****
Aug 7	*****	***	*****
Aug 8	*****	***	*****
Aug 9	*****	***	*****
Aug 10	*****	***	*****
Aug 11	*****	***	*****
Aug 12	*****	***	*****
Aug 13	*****	***	*****
Aug 14	*****	***	*****
Aug 15	*****	***	*****
Aug 16	*****	***	*****
Aug 17	*****	***	*****
Aug 18	*****	***	*****
Aug 19	*****	***	*****
Aug 20	*****	***	*****
Aug 21	*****	***	*****
Aug 22	*****	***	*****
Aug 23	*****	***	*****
Aug 24	*****	***	*****
Aug 25	*****	***	*****
Aug 26	*****	***	*****
Aug 27	*****	***	*****
Aug 28	*****	***	*****
Aug 29	*****	***	*****
Aug 30	*****	***	*****
Aug 31	*****	***	*****
Mean	-----	***	*****
Total	*****	---	-----

Maximum	*****	---	*****
Minimum	*****	---	*****

*** unavailable

missing (less than 24 hourly observations a day)

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

Climatological Information Services > Extracts of Climatological Data > Extract of Automatic Weather Station > Station: Tai Mei Tuk Automatic Weather Station, Year: 2014, Month: August

Extract of Meteorological Observations for Tai Mei Tuk Automatic Weather Station, August 2014 (Table 1)

Date	Mean Pressure at M.S.L. (hPa)	Air Temperature			Mean Dew Point Temperature (deg C)	Relative Humidity		
		Max. (deg C)	Mean (deg C)	Min. (deg C)		Max. (%)	Mean (%)	Min. (%)
Aug 1	*****	35.7	30.3	24.8	****	***	***	***
Aug 2	*****	34.0	29.8	25.0	****	***	***	***
Aug 3	*****	34.0	28.9	25.5	****	***	***	***
Aug 4	*****	34.8	29.6	27.8	****	***	***	***
Aug 5	*****	34.0	29.5	27.5	****	***	***	***
Aug 6	*****	32.6	28.4	26.4	****	***	***	***
Aug 7	*****	32.6	28.7	27.2	****	***	***	***
Aug 8	*****	34.5	29.8	26.8	****	***	***	***
Aug 9	*****	34.1	30.1	27.4	****	***	***	***
Aug 10	*****	32.6	29.9	27.7	****	***	***	***
Aug 11	*****	34.6	29.4	27.1	****	***	***	***
Aug 12	*****	33.1	28.6#	25.6	****	***	***	***
Aug 13	*****	27.7	25.9	24.9	****	***	***	***
Aug 14	*****	31.6	27.9	25.5	****	***	***	***
Aug 15	*****	33.2	29.4	26.6	****	***	***	***
Aug 16	*****	33.3	29.6	27.0	****	***	***	***
Aug 17	*****	34.0	29.8	26.0	****	***	***	***
Aug 18	*****	34.0	30.1	26.7	****	***	***	***
Aug 19	*****	32.2	28.0	24.8	****	***	***	***
Aug 20	*****	27.4	25.0	23.7	****	***	***	***
Aug 21	*****	31.3	27.0	24.1	****	***	***	***
Aug 22	*****	32.3	28.1	26.2	****	***	***	***
Aug 23	*****	32.7	28.7	25.8	****	***	***	***
Aug 24	*****	34.0	29.1	26.0	****	***	***	***
Aug 25	*****	34.4	29.7	26.5	****	***	***	***
Aug 26	*****	34.5	29.7	26.9	****	***	***	***
Aug 27	*****	30.9	29.0	27.0	****	***	***	***
Aug 28	*****	31.9	29.0	27.1	****	***	***	***
Aug 29	*****	33.7	29.6	26.8	****	***	***	***
Aug 30	*****	34.2	29.7	27.1	****	***	***	***
Aug 31	*****	31.3	28.6	26.5	****	***	***	***

Mean	*****	32.9	28.9#	26.3	****	***	***	***
Maximum	*****	35.7	30.3#	27.8	****	***	***	***
Minimum	*****	27.4	25.0#	23.7	****	***	***	***

Extract of Meteorological Observations for Tai Mei Tuk Automatic Weather Station, August 2014 (Table 2)

Date	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
Aug 1	9.0	270	14.7
Aug 2	1.0	240	8.8
Aug 3	24.5	260	5.8
Aug 4	3.5	060	5.4
Aug 5	0.0	070	6.5
Aug 6	1.0	270	6.0
Aug 7	1.5	260	6.0
Aug 8	0.0	230	9.1
Aug 9	0.0	240	11.9
Aug 10	0.0	260	15.8
Aug 11	15.5	260	8.0
Aug 12	26.0#	240#	8.5#
Aug 13	55.0	050	7.8
Aug 14	2.5	240	10.3
Aug 15	0.0	260	9.8
Aug 16	0.0	260	12.3
Aug 17	0.0	260	11.0
Aug 18	0.0	260	11.0
Aug 19	7.0	270	11.8
Aug 20	20.5	140	5.8
Aug 21	2.5	050	5.4
Aug 22	1.5	050	4.7
Aug 23	0.0	150	5.0
Aug 24	0.0	120	5.4
Aug 25	0.0	140	6.8
Aug 26	0.0	040	12.8
Aug 27	1.0	070	30.8
Aug 28	0.5	090	22.4
Aug 29	0.0	070	10.6
Aug 30	0.0	090	10.8
Aug 31	2.5	090	17.7
Mean	-----	260#	10.3#
Total	175.0#	---	-----

Maximum	55.0#	---	30.8#
Minimum	0.0#	---	4.7#

*** unavailable

missing (less than 24 hourly observations a day)

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

Climatological Information Services > Extracts of Climatological Data > Extract of Automatic Weather Station > Station: Tai Po Automatic Weather Station, Year: 2014, Month: September

Extract of Meteorological Observations for Tai Po Automatic Weather Station, September 2014 (Table 1)

Date	Mean Pressure at M.S.L. (hPa)	Air Temperature			Mean Dew Point Temperature (deg C)	Relative Humidity		
		Max. (deg C)	Mean (deg C)	Min. (deg C)		Max. (%)	Mean (%)	Min. (%)
Sep 1	1009.7	32.1	29.3	27.5	24.9	92	78	59
Sep 2	1010.0	33.0	29.2	26.0	24.5	91	77	58
Sep 3	1008.4	34.6	30.0	26.3	24.1	88	72	50
Sep 4	1006.2	32.8	28.8	25.5	24.4	90	78	60
Sep 5	1006.5	30.9	28.5	25.3	25.2	97	83	67
Sep 6	1007.0	32.0	29.2	26.3	24.7	90	78	61
Sep 7	1006.8	30.8	29.2	27.9	25.3	89	80	69
Sep 8	1006.2	30.8	28.1	26.8	25.7	95	87	73
Sep 9	1006.9	33.9	29.3	26.4	24.6	93	77	56
Sep 10	1007.3	31.8	28.8	26.5	25.1	90	81	66
Sep 11	1007.3	32.0	29.1	26.2	24.9	93	79	62
Sep 12	1005.8	29.4	27.4	25.5	25.2	98	88	75
Sep 13	1005.2	31.1	28.7	26.4	25.5	97	83	65
Sep 14	1005.3	32.0	29.4	27.1	25.4	93	80	65
Sep 15	1001.4	32.3	29.2	25.9	24.8	97	78	57
Sep 16	1003.1	30.0	27.6	25.2	24.8	98	85	71
Sep 17	1010.6	28.4	27.4	26.2	25.4	96	89	81
Sep 18	1011.3	32.6	28.9	25.5	25.0	95	80	57
Sep 19	1005.9	34.4	30.1	26.3	24.9	90	75	52
Sep 20	1003.5	31.2	28.4	26.0	21.5	80	67	56
Sep 21	1004.7	28.4	26.7	24.7	19.7	77	66	59
Sep 22	1006.5	30.1	26.8	23.8	20.6	82	69	58
Sep 23	1008.0	30.6	26.9	23.5	21.7	84	74	57
Sep 24	1010.2	31.1	27.5	24.6	22.8	89	76	60
Sep 25	1011.4	31.2	27.8	24.7	23.3	88	77	59
Sep 26	1011.7	29.5	27.4	25.1	23.3	87	79	69
Sep 27	1012.1	30.9	28.0	25.1	23.7	90	78	64
Sep 28	1011.3	30.8	27.9	24.6	23.7	90	79	67
Sep 29	1010.8	31.7	28.4	25.0	23.6	91	76	61
Sep 30	1010.8	33.9	29.2	26.0	24.2	89	75	51
Mean	1007.7	31.5	28.4	25.7	24.1	91	78	62

Maximum	1012.1	34.6	30.1	27.9	25.7	98	89	81
Minimum	1001.4	28.4	26.7	23.5	19.7	77	66	50

Extract of Meteorological Observations for Tai Po Automatic Weather Station, September 2014 (Table 2)

Date	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
Sep 1	*****	***	*****
Sep 2	*****	***	*****
Sep 3	*****	***	*****
Sep 4	*****	***	*****
Sep 5	*****	***	*****
Sep 6	*****	***	*****
Sep 7	*****	***	*****
Sep 8	*****	***	*****
Sep 9	*****	***	*****
Sep 10	*****	***	*****
Sep 11	*****	***	*****
Sep 12	*****	***	*****
Sep 13	*****	***	*****
Sep 14	*****	***	*****
Sep 15	*****	***	*****
Sep 16	*****	***	*****
Sep 17	*****	***	*****
Sep 18	*****	***	*****
Sep 19	*****	***	*****
Sep 20	*****	***	*****
Sep 21	*****	***	*****
Sep 22	*****	***	*****
Sep 23	*****	***	*****
Sep 24	*****	***	*****
Sep 25	*****	***	*****
Sep 26	*****	***	*****
Sep 27	*****	***	*****
Sep 28	*****	***	*****
Sep 29	*****	***	*****
Sep 30	*****	***	*****
Mean	-----	***	*****
Total	*****	---	-----
Maximum	*****	---	*****
Minimum	*****	---	*****

*** unavailable

missing (less than 24 hourly observations a day)

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

Climatological Information Services > Extracts of Climatological Data > Extract of Automatic Weather Station > Station: Tai Mei Tuk Automatic Weather Station, Year: 2014, Month: September

Extract of Meteorological Observations for Tai Mei Tuk Automatic Weather Station, September 2014 (Table 1)

Date	Mean Pressure at M.S.L. (hPa)	Air Temperature			Mean Dew Point Temperature (deg C)	Relative Humidity		
		Max. (deg C)	Mean (deg C)	Min. (deg C)		Max. (%)	Mean (%)	Min. (%)
Sep 1	*****	34.5	29.7	27.4	****	***	***	***
Sep 2	*****	35.2	30.2	26.9	****	***	***	***
Sep 3	*****	34.8	30.4	27.0	****	***	***	***
Sep 4	*****	35.8	30.0	27.7	****	***	***	***
Sep 5	*****	31.5	29.0	26.9	****	***	***	***
Sep 6	*****	34.5	29.8	27.0	****	***	***	***
Sep 7	*****	31.4	29.0	27.0	****	***	***	***
Sep 8	*****	32.7	28.4	26.7	****	***	***	***
Sep 9	*****	35.1	30.2	27.3	****	***	***	***
Sep 10	*****	35.2	30.1	27.4	****	***	***	***
Sep 11	*****	34.4	30.0	27.5	****	***	***	***
Sep 12	*****	29.1	27.4	25.8	****	***	***	***
Sep 13	*****	33.8	29.2	26.6	****	***	***	***
Sep 14	*****	34.1	29.9	27.4	****	***	***	***
Sep 15	*****	33.2	29.1	25.6	****	***	***	***
Sep 16	*****	29.3	27.2	25.1	****	***	***	***
Sep 17	*****	30.7	28.0	27.0	****	***	***	***
Sep 18	*****	34.0	29.6	26.4	****	***	***	***
Sep 19	*****	35.8	30.8	26.9	****	***	***	***
Sep 20	*****	32.9	28.7	25.4	****	***	***	***
Sep 21	*****	31.7	26.9#	25.3	****	***	***	***
Sep 22	*****	32.0	27.8	24.8	****	***	***	***
Sep 23	*****	33.1	27.9	24.5	****	***	***	***
Sep 24	*****	34.0	28.7	25.4	****	***	***	***
Sep 25	*****	34.4	28.9	25.8	****	***	***	***
Sep 26	*****	32.6	28.3	26.1	****	***	***	***
Sep 27	*****	33.9	28.9	26.2	****	***	***	***
Sep 28	*****	34.0	28.4#	25.6	****	***	***	***
Sep 29	*****	34.6	29.6	26.2	****	***	***	***
Sep 30	*****	36.0	30.4	27.0	****	***	***	***
Mean	*****	33.5	29.1#	26.4	****	***	***	***

Maximum	*****	36.0	30.8#	27.7	****	***	***	***
Minimum	*****	29.1	26.9#	24.5	****	***	***	***

Extract of Meteorological Observations for Tai Mei Tuk Automatic Weather Station, September 2014 (Table 2)

Date	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
Sep 1	0.0	090	9.3
Sep 2	0.0	140	5.4
Sep 3	0.0	260	12.1
Sep 4	0.0	270	6.8
Sep 5	6.5	090	14.4
Sep 6	0.0	050	9.1
Sep 7	3.5	080	22.7
Sep 8	8.0	140	9.5
Sep 9	0.0	140	5.3
Sep 10	0.0	140	5.6
Sep 11	0.0	080	11.0
Sep 12	26.5	050	22.4
Sep 13	12.0	140	11.5
Sep 14	0.5	040	9.8
Sep 15	34.5	040	29.0
Sep 16	34.5	100	49.3
Sep 17	2.5	120	20.5
Sep 18	0.0	140#	4.2#
Sep 19	0.0	240	5.6
Sep 20	0.0	040	17.1
Sep 21	0.0#	010#	14.0#
Sep 22	0.0	360	8.7
Sep 23	0.0	140	4.3
Sep 24	0.0	150	4.0
Sep 25	0.0	150	3.6
Sep 26	0.0	150	4.1
Sep 27	0.0	150	5.2
Sep 28	0.0#	130#	5.3#
Sep 29	0.0	140	3.3
Sep 30	0.0	150	5.0
Mean	-----	140#	11.3#
Total	128.5#	---	-----
Maximum	34.5#	---	49.3#
Minimum	0.0#	---	3.3#

*** unavailable

missing (less than 24 hourly observations a day)

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

Climatological Information Services > Extracts of Climatological Data > Extract of Automatic Weather Station > Station: Tai Po Automatic Weather Station, Year: 2014, Month: October

Extract of Meteorological Observations for Tai Po Automatic Weather Station, October 2014 (Table 1)

Date	Mean Pressure at M.S.L. (hPa)	Air Temperature			Mean Dew Point Temperature (deg C)	Relative Humidity		
		Max. (deg C)	Mean (deg C)	Min. (deg C)		Max. (%)	Mean (%)	Min. (%)
Oct 1	1011.9	30.4	27.8	25.2	24.1	97	81	66
Oct 2	1010.0	32.6	28.3	25.8	24.6	92	81	61
Oct 3	1009.1	31.0	28.1	25.9	24.0	91	79	61
Oct 4	1010.5	29.7	27.2	25.2	22.8	87	77	64
Oct 5	1012.7	29.8	26.8	24.3	20.4	89	70	46
Oct 6	1015.0	29.1	25.8	22.5	18.1	88	64	38
Oct 7	1014.5	27.7	25.4	22.9	17.9	82	64	48
Oct 8	1012.9	28.3	25.0	22.0	17.7	85	65	43
Oct 9	1010.7	28.9	25.7	22.3	17.3	78	61	42
Oct 10	1010.0	29.8	25.6	21.9	17.7	83	62	46
Oct 11	1010.8	30.3	26.4	22.3	18.7	76	63	49
Oct 12	1013.4	30.5	26.5	22.9	17.0	85	58	38
Oct 13	1016.3	28.3	25.5	22.3	15.3	74	54	40
Oct 14	1017.6	27.3	24.3	21.3	16.0	78	60	49
Oct 15	1017.2	27.1	23.9	20.2	17.7	81	69	54
Oct 16	1017.8	26.6	24.8	22.4	18.5	94	69	53
Oct 17	1017.4	26.8	24.6	23.1	17.8	77	66	52
Oct 18	1016.2	27.3	25.2	23.0	18.7	79	68	49
Oct 19	1015.7	27.7	25.2	23.6	20.0	87	73	56
Oct 20	1014.8	28.0	25.7	23.7	21.5	87	78	66
Oct 21	1015.0	30.0	26.2	22.9	21.4	91	76	60
Oct 22	1015.2	29.4	27.0	24.7	20.0	86	67	54
Oct 23	1016.2	24.8	23.4	21.9	20.8	99	86	73
Oct 24	1016.2	24.9	24.2	23.3	20.2	85	78	70
Oct 25	1016.5	25.3	24.5	23.7	20.4	85	78	69
Oct 26	1016.7	28.0	25.3	23.7	21.4	90	79	64
Oct 27	1016.3	28.1	25.7	23.1	21.5	92	78	56
Oct 28	1016.8	26.2	25.0	24.4	18.3	79	67	47
Oct 29	1016.9	26.8	25.0	23.8	19.7	83	73	59
Oct 30	1015.7	26.6	25.0	23.6	20.9	89	78	63
Oct 31	1013.9	27.2	25.0	23.3	21.5	91	82	69

Mean	1014.5	28.2	25.6	23.3	19.7	86	71	55
Maximum	1017.8	32.6	28.3	25.9	24.6	99	86	73
Minimum	1009.1	24.8	23.4	20.2	15.3	74	54	38

Extract of Meteorological Observations for Tai Po Automatic Weather Station, October 2014
(Table 2)

Date	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
Oct 1	*****	***	*****
Oct 2	*****	***	*****
Oct 3	*****	***	*****
Oct 4	*****	***	*****
Oct 5	*****	***	*****
Oct 6	*****	***	*****
Oct 7	*****	***	*****
Oct 8	*****	***	*****
Oct 9	*****	***	*****
Oct 10	*****	***	*****
Oct 11	*****	***	*****
Oct 12	*****	***	*****
Oct 13	*****	***	*****
Oct 14	*****	***	*****
Oct 15	*****	***	*****
Oct 16	*****	***	*****
Oct 17	*****	***	*****
Oct 18	*****	***	*****
Oct 19	*****	***	*****
Oct 20	*****	***	*****
Oct 21	*****	***	*****
Oct 22	*****	***	*****
Oct 23	*****	***	*****
Oct 24	*****	***	*****
Oct 25	*****	***	*****
Oct 26	*****	***	*****
Oct 27	*****	***	*****
Oct 28	*****	***	*****
Oct 29	*****	***	*****
Oct 30	*****	***	*****
Oct 31	*****	***	*****
Mean	-----	***	*****
Total	*****	---	-----

Maximum	*****	---	*****
Minimum	*****	---	*****

*** unavailable

missing (less than 24 hourly observations a day)

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

Climatological Information Services > Extracts of Climatological Data > Extract of Automatic Weather Station > Station: Tai Mei Tuk Automatic Weather Station, Year: 2014, Month: October

Extract of Meteorological Observations for Tai Mei Tuk Automatic Weather Station, October 2014 (Table 1)

Date	Mean Pressure at M.S.L. (hPa)	Air Temperature			Mean Dew Point Temperature (deg C)	Relative Humidity		
		Max. (deg C)	Mean (deg C)	Min. (deg C)		Max. (%)	Mean (%)	Min. (%)
Oct 1	*****	32.4	28.0#	25.0	****	***	***	***
Oct 2	*****	33.4	28.8	25.9	****	***	***	***
Oct 3	*****	33.8	28.8	26.3	****	***	***	***
Oct 4	*****	32.1	27.7	25.9	****	***	***	***
Oct 5	*****	31.3	27.2	24.9	****	***	***	***
Oct 6	*****	30.5	26.7	23.8	****	***	***	***
Oct 7	*****	29.7	25.6	22.1	****	***	***	***
Oct 8	*****	29.7	25.8	23.1	****	***	***	***
Oct 9	*****	30.9	26.4	23.6	****	***	***	***
Oct 10	*****	30.1	26.6	23.6	****	***	***	***
Oct 11	*****	32.5	27.8	23.9	****	***	***	***
Oct 12	*****	31.0	27.5	24.3	****	***	***	***
Oct 13	*****	30.1	26.1	23.1	****	***	***	***
Oct 14	*****	29.3	25.2	22.3	****	***	***	***
Oct 15	*****	29.2	24.9	21.6	****	***	***	***
Oct 16	*****	29.0	25.1	22.2	****	***	***	***
Oct 17	*****	29.1	24.8	21.6	****	***	***	***
Oct 18	*****	29.3	25.4	21.9	****	***	***	***
Oct 19	*****	29.5	25.5	23.4	****	***	***	***
Oct 20	*****	30.5	26.3	24.1	****	***	***	***
Oct 21	*****	32.0	27.0	23.8	****	***	***	***
Oct 22	*****	31.8	27.3	25.0	****	***	***	***
Oct 23	*****	25.6	23.7	21.7	****	***	***	***
Oct 24	*****	25.8	24.3	23.7	****	***	***	***
Oct 25	*****	27.4	24.8	23.3	****	***	***	***
Oct 26	*****	30.0	25.9	23.7	****	***	***	***
Oct 27	*****	30.6	26.2	23.9	****	***	***	***
Oct 28	*****	26.6	25.0	23.7	****	***	***	***
Oct 29	*****	28.8	25.3	23.5	****	***	***	***
Oct 30	*****	29.5	25.4	23.6	****	***	***	***
Oct 31	*****	30.3	25.6	23.4	****	***	***	***

Mean	*****	30.1	26.1#	23.6	****	***	***	***
Maximum	*****	33.8	28.8#	26.3	****	***	***	***
Minimum	*****	25.6	23.7#	21.6	****	***	***	***

Extract of Meteorological Observations for Tai Mei Tuk Automatic Weather Station, October 2014 (Table 2)

Date	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
Oct 1	2.5	090#	12.5#
Oct 2	0.5	270	3.8
Oct 3	0.0	100	8.8
Oct 4	0.0	050	11.7
Oct 5	0.0	040	11.9
Oct 6	0.0	030	13.7
Oct 7	0.5	050	13.8
Oct 8	0.0	040	11.1
Oct 9	0.0	030	9.5
Oct 10	0.0	040	9.8
Oct 11	0.0	050	9.9
Oct 12	0.0	040	15.0
Oct 13	0.0	030	15.4
Oct 14	0.0	040	12.1
Oct 15	0.0	090	9.7
Oct 16	0.5	100	20.8
Oct 17	0.0	100	17.3
Oct 18	0.0	100	17.5
Oct 19	0.0	050	15.3
Oct 20	0.0	090	10.5
Oct 21	0.0	270	2.7
Oct 22	0.0	040	13.3
Oct 23	9.0	030	10.7
Oct 24	0.0	100	13.2
Oct 25	0.0	090	13.8
Oct 26	0.0	050	10.3
Oct 27	0.0	100	17.4
Oct 28	0.0	100	26.2
Oct 29	0.0	080	18.8
Oct 30	0.0	100	16.6
Oct 31	0.0	080	9.5
Mean	-----	100#	13.0#
Total	13.0	---	-----

Maximum	9.0	---	26.2#
Minimum	0.0	---	2.7#

*** unavailable

missing (less than 24 hourly observations a day)

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

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

Location : M2 (West Tai Wo - Free Field)

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

Date	Measured Noise Level for 30-min, dB(A)				Limit Level, dB(A)	Exceedance (Y/N)
	Start Time	Leq*	L10*	L90*		
4-Jul-14	10:25	65.5	67.6	61.8	75	N
10-Jul-14	11:12	66.9	68.5	63.5	75	N
16-Jul-14	10:38	67.1	70.0	62.5	75	N
22-Jul-14	13:00	67.2	69.0	65.0	75	N
28-Jul-14	10:50	66.9	68.5	65.0	75	N
7-Aug-14	11:20	69.7	72.1	67.3	75	N
13-Aug-14	14:30	67.1	68.0	65.9	75	N
19-Aug-14	15:00	66.8	68.0	64.4	75	N
25-Aug-14	13:05	72.6	76.2	70.4	75	N
5-Sep-14	15:30	72.1	75.6	70.0	75	N
11-Sep-14	14:25	68.8	70.7	66.6	75	N
15-Sep-14	13:50	69.2	72.1	66.5	75	N
26-Sep-14	13:20	67.7	68.0	65.5	75	N
30-Sep-14	11:00	72.1	74.8	70.2	75	N
6-Oct-14	15:15	68.4	70.3	65.2	75	N
17-Oct-14	14:15	67.0	68.6	64.7	75	N
23-Oct-14	14:13	68.2	70.1	65.5	75	N
29-Oct-14	13:05	70.2	73.1	68.0	75	N
Minimum for Aug to Oct 14		66.8	68.0	64.4		
Maximum for Aug to Oct 14		72.6	76.2	70.4		
Average for Aug to Oct 14		69.7	72.3	67.4		

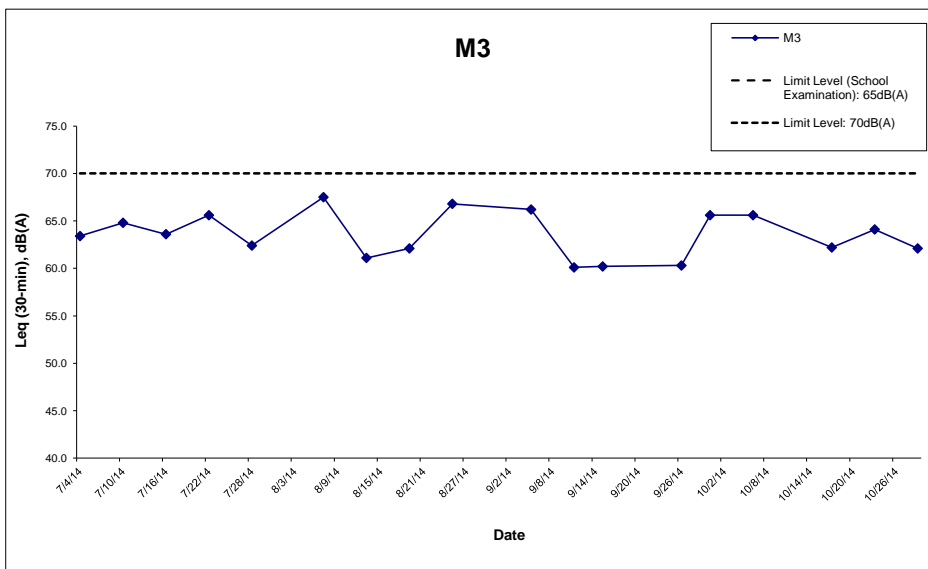
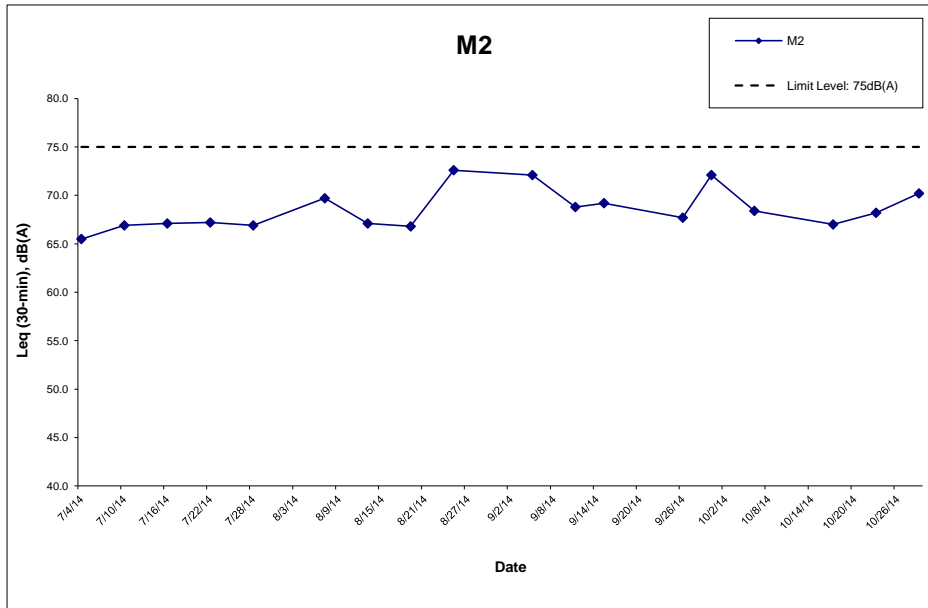
Location : M3 (Fanling Government Secondary School- Façade)

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

Date	Measured Noise Level for 30-min, dB(A)				Limit Level, dB(A)^	Exceedance (Y/N)
	Start Time	Leq	L10	L90		
4-Jul-14	10:45	63.4	65.4	61.3	70	N
10-Jul-14	10:20	64.8	66.5	62.5	70	N
16-Jul-14	9:52	63.6	65.0	58.5	70	N
22-Jul-14	13:46	65.6	67.2	63.1	70	N
28-Jul-14	10:00	62.4	63.0	59.9	70	N
7-Aug-14	13:31	67.5	69.1	65.4	70	N
13-Aug-14	15:15	61.1	62.5	57.0	70	N
19-Aug-14	14:00	62.1	63.5	59.0	70	N
25-Aug-14	13:52	66.8	69.4	62.6	70	N
5-Sep-14	13:31	66.2	69.8	62.4	70	N
11-Sep-14	14:05	60.1	61.5	59.0	70	N
15-Sep-14	13:00	60.2	63.4	58.2	70	N
26-Sep-14	13:05	60.3	61.2	57.0	70	N
30-Sep-14	11:40	65.6	69.2	61.2	70	N
6-Oct-14	16:10	65.6	67.7	62.8	70	N
17-Oct-14	13:35	62.2	63.5	59.5	70	N
23-Oct-14	13:05	64.1	65.8	62.0	70	N
29-Oct-14	13:05	62.1	64.8	59.3	70	N
Minimum for Aug to Oct 14		60.1	61.2	57.0		
Maximum for Aug to Oct 14		67.5	69.8	65.4		
Average for Aug to Oct 14		64.1	66.5	61.1		

* +3dB(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.

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



Graphical Presentation of Impact Daytime Construction Noise Monitoring Results

Project No.: 60307376

Date:

Nov-14

Appendix G

**APPENDIX I
COMPLAINT INVESTIGATION REPORT**

Appendix H

Statistics on Complaints, Notifications of Summons and Successful Prosecutions

	Date Received	Subject	Status	Total no. followed up by the ET this month	Total no. followed up by the ET since project commencement
Environmental complaints	19 December 2013	EPD referred a complaint from Lot no. 116 of Fui Sha Wai at Tai Hang of Tai Po which is concerned about the construction noise and diesel-like smell generated from construction activities nearby which caused nuisance and health problems on 19 December 2013 morning.	Closed	1	3
	24 February 2014	EPD referred an air-and-odour complaint on 24 February 2014. The complainant complained about the construction site located near the bus stop in Fui Sha Wai, Tai Hang, Tai Wo Service Road West. When construction works were carried out, odour, white smoke and dust were generated. The complainant asked for follow-up actions.	Closed		

	Date Received	Subject	Status	Total no. followed up by the ET this month	Total no. followed up by the ET since project commencement
	23 October 2014	<p>EPD referred an air complaint on 24 October 2014.</p> <p>A resident complained against the excavation works of Tai Wo Service Road West between Nam Wah Po & Tai Hang Tsuen, which have piled up high stockpiles, causing serious dust nuisance to his house.</p> <p>The resident also complained that the stockpiles have not been covered and watered properly. He now requires the EPD to follow up.</p> <p>The location of complaint is near Lamppost Location EB5717.</p>	Closed		
Notification of summons	-	-	-	0	0
Successful Prosecutions	-	-	-	0	0