

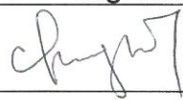

Environmental Protection Department

Contract No. HY/2012/06

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

**Quarterly EM&A Report
for May 2016 to July 2016**

[10/2016]

	Name	Signature
Prepared & Checked:	Candy Chung	
Reviewed & Approved:	Y W Fung	

Version:	Rev. 0	Date: 5 Oct 2016
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Disclaimer

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Attn: **Mr. James Penny**

Your Reference

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

Our Reference

JFP/EC/ST/pl/T329380/22
.05/L-0137

Environmental Permit No. EP-324/2008/D

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

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We refer to the revised Quarterly EM&A Summary Report for May 2016 to July 2016 for the captioned Project received on 30 September 2016 submitted by ET via email. We confirm we have no comment.

Yours faithfully
for MOTT MACDONALD HONG KONG LIMITED



Steven Tang
Independent Environmental Checker

c.c.
HyD
AECOM

Mr. Chung Lok Chin
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EXECUTIVE SUMMARY

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

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

The construction works for this Project will be delivered in 2 stages i.e. Stage 1 (between Island House Interchange and Tai Hang) and Stage 2 (between Tai Hang and Wo Hop Shek Interchange). Stage 2 would be implemented under two works contracts. Contract No. HY2012/06 “Widening of Fanling Highway – Tai Hang to Wo Hop Shek Interchange” and the entrusted portion to CEDD under Contract No. CV/2012/09 “Liantang/Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works – Contract 3”. This report focuses on Contract No. HY2012/06 “Widening of Fanling Highway – Tai Hang to Wo Hop Shek Interchange” in Stage 2 of the Project only.

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

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

This report documents the findings of EM&A works conducted in the period between 1 May 2016 and 31 July 2016. As informed by the Contractor, construction activities in the reporting period were as follows:

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

Reporting Change

There was no reporting change required in the reporting period.

Breaches of Action and Limit Levels for Air Quality

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

Breaches of Action and Limit Levels for Noise

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

Complaint, Notification of Summons and Successful Prosecution

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

Future Key Issues

Key issues to be considered in the coming month include:

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

1 INTRODUCTION

1.1 Project Organization and Contacts of Key Management

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

Table 1.1 Contact Information of Key Personnel

Party	Position	Name	Telephone	Fax
ER (Hyder-Arup-Black & Veatch Joint Venture)	Chief Resident Engineer	Edwin Chung	6115 0818	2638 0950
IEC (Mott MacDonald Hong Kong Limited)	Independent Environmental Checker	Steven Tang	2828 5920	2827 1823
Contractor (China State 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
- Pipe laying
- Retaining wall construction
- Noise barrier
- Excavation
- Backfilling
- Drainage
- Temporary bridge construction
- House construction
- Footbridge demolition
- Bridge construction

- 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, occasionally fine, rainy and cloudy in the reporting quarter. Weather information including the wind speed and wind direction is annexed in Appendix F. The information was obtained from the Hong Kong Observatory Tai Po and Tai Mei Tuk Automatic Weather Stations.
- 3.1.3 The monitoring results for 1-hour TSP and 24-hour TSP monitoring are summarized in Tables 3.1 and 3.2 respectively. Detailed impact air quality monitoring results are presented in Appendix E.

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

Location	Average ($\mu\text{g}/\text{m}^3$)	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)	71.1	60.3 – 79.6	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)	22.0	10.9 – 46.1	200.7	260

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

4 NOISE MONITORING

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

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

	Average (dB(A))	Range (dB(A))	Limit Level (dB(A))
	L_{eq} (30 mins)	L_{eq} (30 mins)	L_{eq} (30 mins)
M2* (West Tai Wo)	69.6	66.8 – 71.8	75
M3# (Fanling Government Secondary School)	64.6	60.5 – 68.9	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, 5,931 m³ of inert C&D material was generated in the reporting period (0m³ was broken concrete, 3,076m³ was reused in the Contract, 1,728m³ was reused in other Projects and 1,127m³ was disposed as public fill to Tuen Mun 38). 200kg of general refuse was disposed of at NENT landfill. 21,346 kg of metals, 201 kg of paper and 1,496 kg of plastics were collected by recycling Contractors, and 0 kg of chemical wastes were collected by licensed Contractors in the reporting period.
- 5.1.2 The actual amounts of different types of waste generated by the activities of the Project in the reporting quarter are summarized in Table 5.1.

Table 5.1 Summary of Waste Flow Table

Waste Type	Actual Amount	Disposal/Reuse Locations
Inert C&D materials disposed of as public fill	1,127 m ³	Tuen Mun 38
General refuse	200 m ³	NENT Landfill
Paper/cardboard packaging	201 kg	Recycling Contractors
Plastics	1,496 kg	Recycling Contractors
Metals	21,346 kg	Recycling Contractors
C&D materials reused on site	3,076 m ³	Site Area
C&D materials reused in other projects	1,728 m ³	Other projects
C&D materials reused in NENT for backfilling	1,127m ³	NENT Landfill
Chemical wastes	0 kg	Licensed Contractors

6 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

- 6.1.1 All 1-hour and 24-hour TSP monitoring results complied with the Action / Limit Levels in the reporting quarter.
- 6.1.2 No Action or Limit Level exceedance of construction noise was recorded in the reporting period. No noise complaints related to 0700 – 1900 hours on normal weekdays was received and followed by the Environmental Team in the reporting period.

7 SUMMARY OF COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS

- 7.1.1 No complaint, notification of summons or successful prosecution was received in the reporting period.
- 7.1.2 The statistics on complaints, notifications of summons and successful prosecutions are summarized in Appendix H.
- 7.1.3 A 24-hour complaint hotline at 6628 8366 has been established for the Project. The hotline number is displayed at the site entrances, fencings and project signboards, as well as printed on publications such as newsletters for the public.

8 COMMENTS, RECOMMENDATIONS AND CONCLUSIONS

8.1 Comments

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

Air Quality Impact

- The Contractor should provide NRMM label to the excavator and display properly.

Construction Noise Impact

- Nil.

Water Quality Impact

- The Contractor should clear the mud trail and provide effective wheel washing facilities.

Chemical and Waste Management

- The Contractor should improve the site tidiness.
- The Contractor should provide drip tray to oil drums and chemical containers.
- The Contractor should remove oil stains on ground and prevent oil leakage.
- The Contractor should remove stagnant water, oil stains and debris in drip tray properly to prevent overflow.

Landscape and Visual Impact

- The Contractor should keep construction materials away from trees and improve housekeeping on site.

Miscellaneous

- The Contractor should remove stagnant water to prevent mosquito breeding.

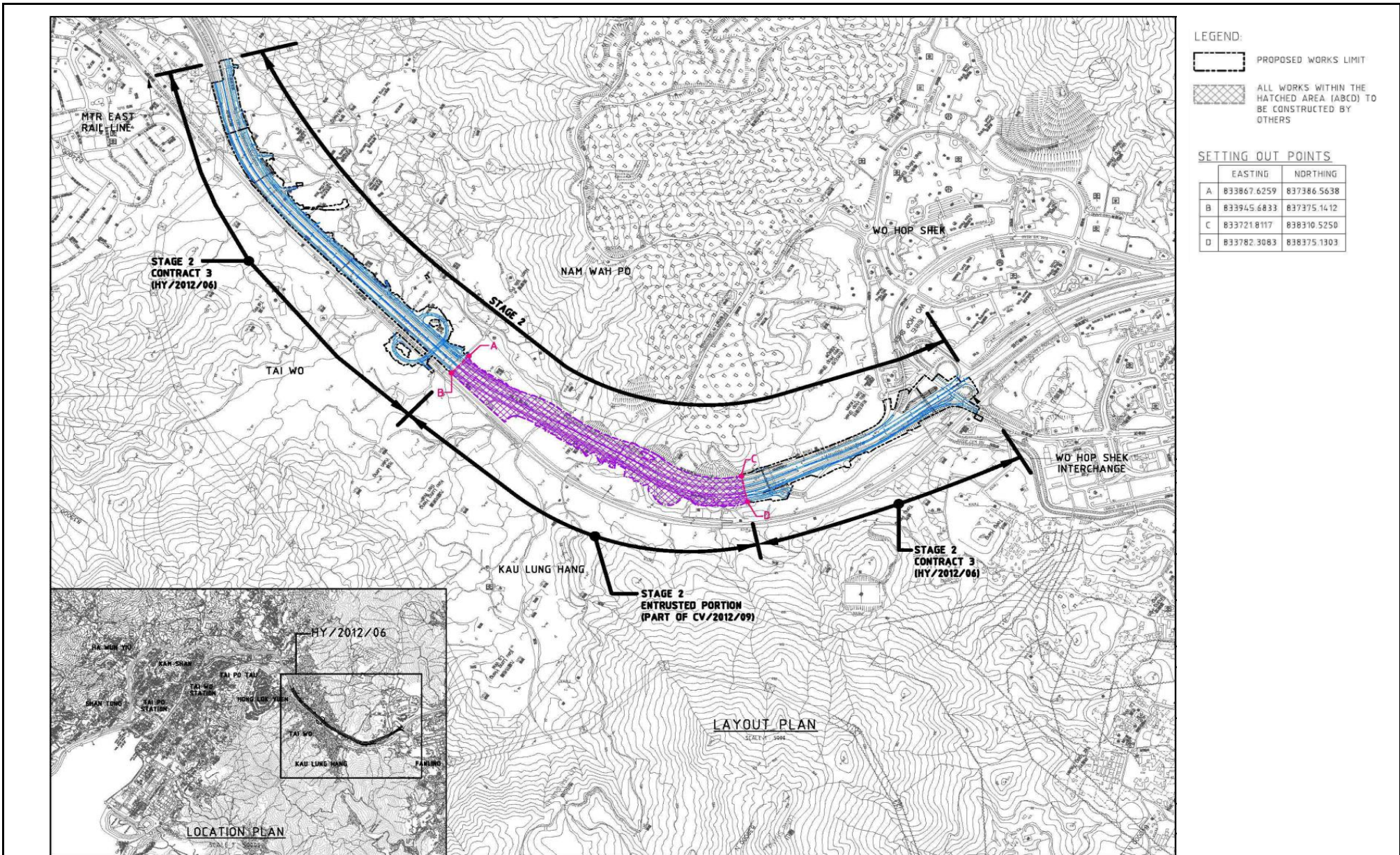
8.2 Recommendations

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

FIGURES



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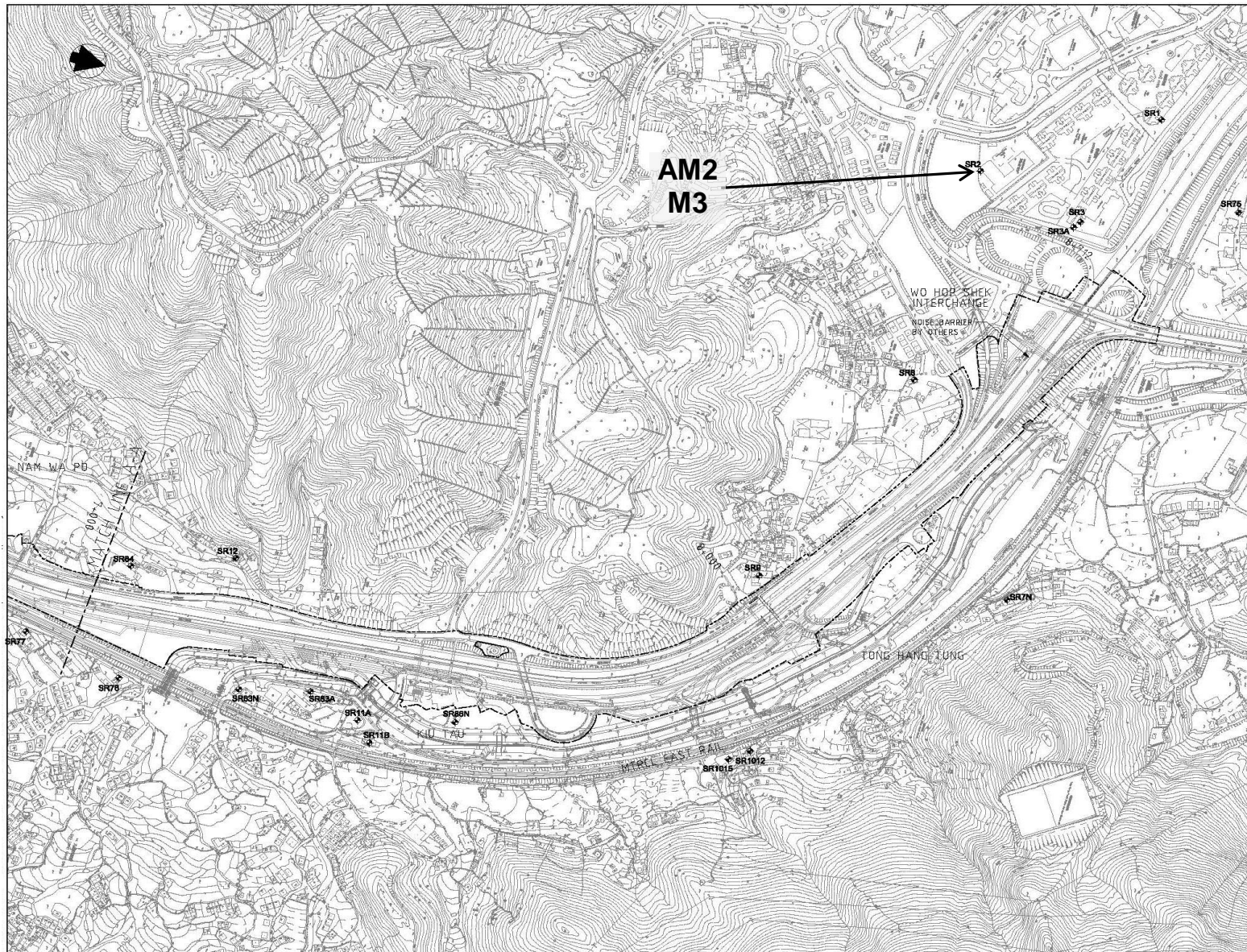
CONTRACT NO. HY/2012/06
 WIDENING OF FANLING HIGHWAY
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Layout Plan

Date: Dec 2013

Figure 1.1



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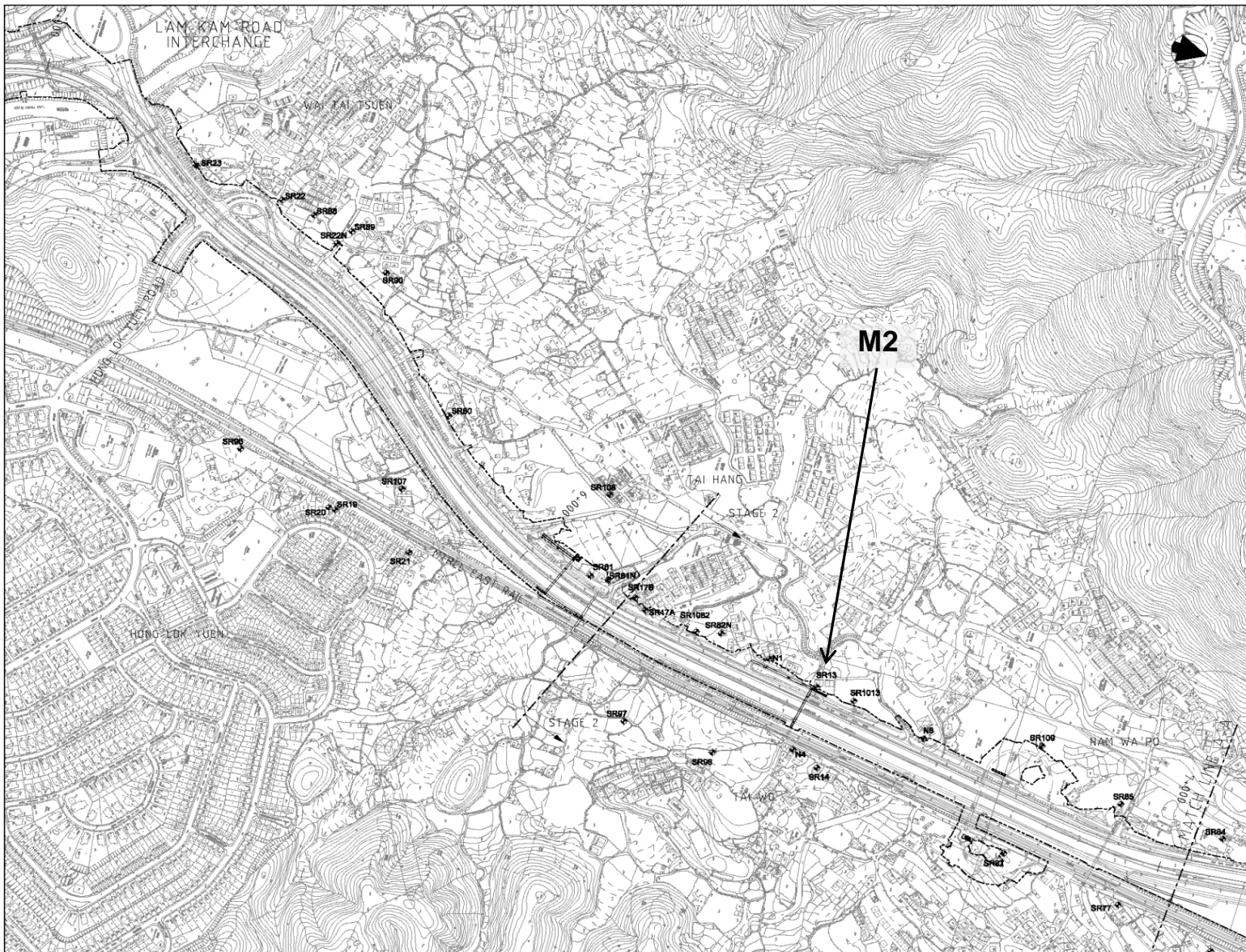
CONTRACT NO. HY/2012/06
 WIDENING OF FANLING HIGHWAY
 - TAI HANG TO WO HOP SHEK INTERCHANGE



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

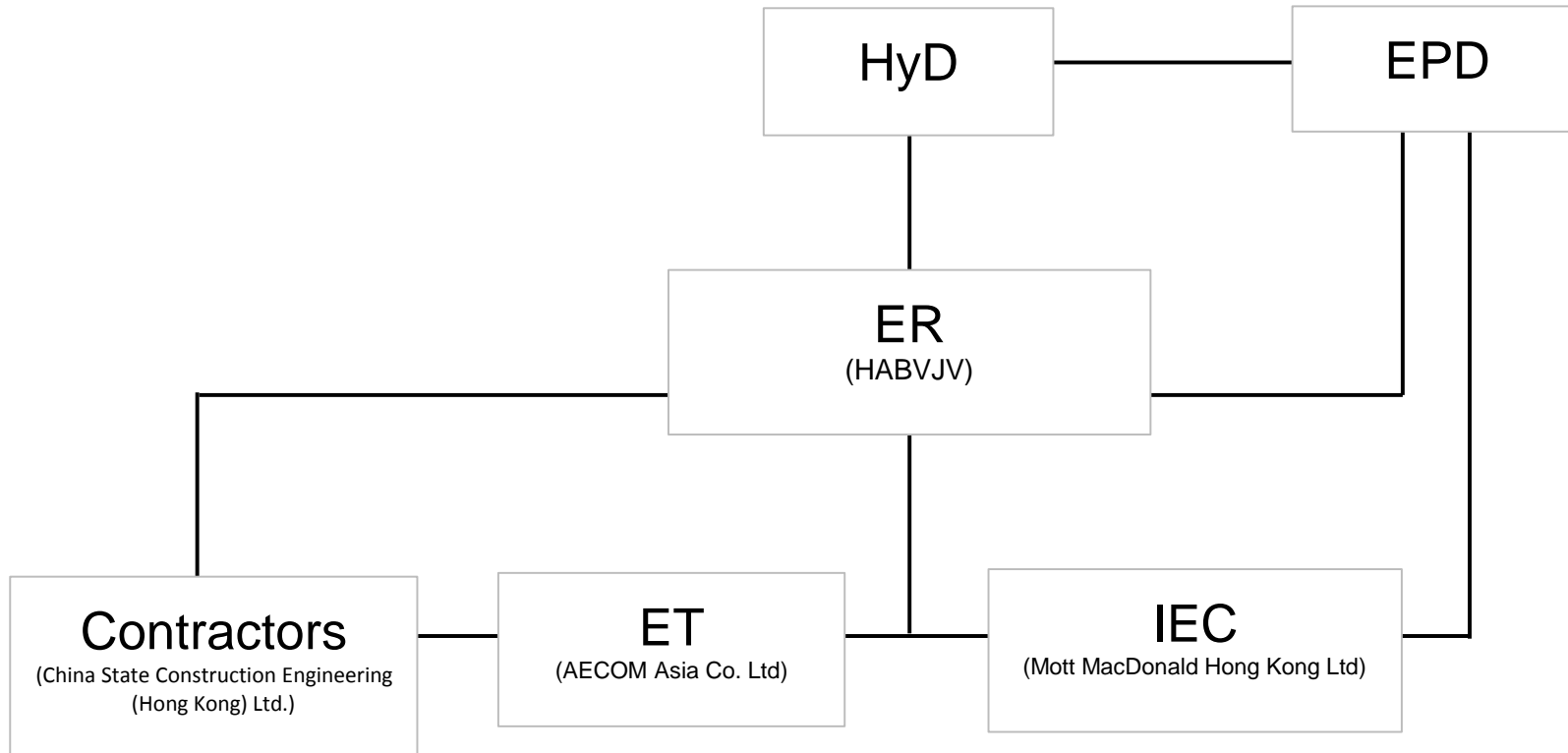


Locations of Monitoring Station

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**

**CONSTRUCTION PROGRAMME OF MAY
2016**

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								May	Jun	Jul	Aug
Contract Condition											
General											
Contract Condition											
KD11	KD-11(1061d)- S1:Achievement: Kau Lung Hang Veh. Bridge &	0%	0	0		08-Aug-16	0				08-Aug-16* ◆ KD-11(11
KD17	KD-17 (1097d) -N3: Comission of Slip Road Y (Section bet. Fanling	0%	0	0		10-Jun-16*	39				10-Jun-16* ◆ KD-17 (1097d) -N3: Comission of Slip Road Y (Section bet. Fa
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-May-16		1511				◆ Site Area SA323A (360d) (not required)
POSSA327	Site Area SA327 (180d)	0%	0	0	20-May-16*		-505				◆ Site Area SA327 (180d)
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-May-16*		-307				◆ Site Area SA327A (730d)
POSSA345	Site Area SA345 (0d)	0%	0	0	20-May-16*		-172				◆ Site Area SA345 (0d)
ZONE 1 (Ch. 5640 to 5880)											
Noise Barrier Along TWSR-West and Laying New Utilities											
DSD Southern Trunk Sewer, Water Main, Fire Main Works											
DSD Southern Trunk Sewer, Water Main Fire Main Works											
DSD0090	DSD Truck Sewer Laying complete	0%	0	0	13-Jul-16		19				◆ DSD Truck Sewer Laying comple
DSD0100	DSD Trunk Sewer Laying - overall testing (Zone 1 & Zone 2)	0%	45	45	13-Jul-16	02-Sep-16	19				
NB42 (Ch.5640-5740)-TWSR West Side											
Noise Barrier Works											
NB00115	NB42 (Ch5640-5740) - Backfilling	0%	12	12	18-Jul-16	30-Jul-16	2				
NB00130	NB42 (Ch5640-5740) - NB post & panel installation	0%	5	5	11-May-16 A	25-May-16	887				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10130	Watermain installation (along NB42)	55%	18	40	21-Mar-16 A	10-Jun-16	2				
TSZ10140	Firemain installation (along NB42)	0%	30	30	11-Jun-16	16-Jul-16	2				
NB42A (Ch.5750-5810)-TWSR West Side											
Noise Barrier Works											
NB00210	NB42A (Ch5750-5810) - NB post & panel installation	0%	17	5	06-May-16 A	08-Jun-16	875				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10190	Firemain installation (along NB42A)	0%	20	20	20-May-16	13-Jun-16	-3				
NB47B (Ch.5820-5880)-TWSR West Side											
Noise Barrier Works											
NB00235	NB47B (Ch5820-5880)- backfilling	0%	12	12	02-Jul-16	15-Jul-16	-30				
NB00250	NB47B (Ch5820-5880)- NB post & panel installation	0%	5	5	20-May-16	25-May-16	887				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10240	Firemain installation (along NB47B)	87.68%	17	138	13-Nov-15 A	08-Jun-16	-12				
Underground Utility Works											
UUZ10121	Utility cable laying by Utility companies (along bay 311A)	59.3%	35	86	13-Jan-16 A	30-Jun-16	-114				
UUZ10130	Z1 Utility work complete is ready for energization	0%	0	0		30-Jun-16	-114				30-Jun-16 ◆ Z1 Utility work complete is ready for energiza
Noise Barrier Along Fanling Highway N/B											
Site Clearance & Demolition of Existing Structure											
Underground Utility Works											
ADVZ20175	All UU and backfill along TWSR-W complete	0%	0	0		30-Jul-16	-51				30-Jul-16 ◆ All UU and backf
ADVZ20180	Utility cable changeover period (NWT)	0%	184	184	30-Jul-16	30-Jan-17	-90				
ADVZ20182	Additional Utility cable changeover period (PCCW, HCG)	0%	274	274	30-Jul-16	30-Apr-17	-180				
TWSR-West Construction											
Drainage & Road Works											
Ch 5640-5880											
RDZ10090	Z1: New Tai Wo Service Road West - Drainage & Road works (2 lanes)	0%	176	176	01-Aug-16	08-Mar-17	-20				
Noise Barrier Along Fanling Highway S/B											
NB44 (Ch.5700-5760)-FH S/B Side											
Noise Barrier Works											
NB01390	NB44 - NB production	0%	45	45	20-May-16	03-Jul-16	1051				
NB01400	NB44 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	851				
NB45 (Ch.5760-5820)-FH S/B Side											
Noise Barrier Works											
NB01440	NB45 - NB production	0%	45	45	20-May-16	03-Jul-16	1051				
NB01450	NB45 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	851				
NB46 (Ch.5820-5880)-FH S/B Side											
Noise Barrier Works											
NB01490	NB46 - NB production	0%	45	45	20-May-16	03-Jul-16	1051				
NB01500	NB46 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	851				
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.1250	Construction of proposed SHRINE	0%	165	165	20-May-16	03-Dec-16	707				
NB47 (Ch.5880-5930)-TWSR West Side											
Noise Barrier Works											
NB00275	NB47 (Ch5880-5930)- backfilling	0%	12	12	21-Jun-16	05-Jul-16	9				
NB00280	NB47 (Ch5880-5930)- NB production	80.52%	15	77	19-Mar-16 A	03-Jun-16	1056				
NB00290	NB47 (Ch5880-5930)- NB post & panel installation	0%	5	5	04-Jun-16	10-Jun-16	854				
DSD Southern Trunk Sewer, Water Main Fire Main Works											

	Project ID: WP Rev 03 (1605)	<p align="center">Contract No. HY/2012/06</p> <p align="center">Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange</p> <p align="center">3 Month Rolling Program(20-May-16)</p>		Date	Revision	C...	A
	Layout: 3 Month Rolling Program			13-May-14	WP Rev 1		
Page 1 of 8				30-Jun-14	WP Rev 1A		
				28-Aug-15	WP Rev 2		
				07-Apr-16	WP Rev 3		

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								May	Jun	Jul	Aug
								Gantt Chart			
TSZ10290	Firemain installation (along NB47)	0%	26	26	20-May-16	20-Jun-16	9				
NB47A (Ch.5950-5975)-TWSR West Side											
Noise Barrier Works											
NB00330	NB47A - backfilling	97.6%	5	208	07-Sep-15 A	27-Jun-16	-15				
NB00335	Backfilling (Along NB47A-above ID1)	97.3%	5	185	06-Oct-15 A	27-Jun-16	-15				
NB00340	NB47A - NB production	92.89%	14	197	20-Oct-15 A	02-Jun-16	1057				
NB00350	NB47A - NB post & panel installation	0%	5	5	28-Jun-16	04-Jul-16	835				
Underground Utility Works											
UUZ20110	Utility cable laying by Utility companies (Along NB47A)	72.73%	27	99	13-Jan-16 A	21-Jun-16	-106				
UUZ20240	Utility cable laying by Utility companies (Along NB47A-above)	72.73%	27	99	13-Jan-16 A	21-Jun-16	-106				
NB48 (Ch.5995-6120)-TWSR West Side											
Noise Barrier Works											
NB00390	NB48 (Ch5995-6060) - backfilling	0%	12	12	11-Jul-16	23-Jul-16	-7				
NB00400	NB48 (Ch5995-6060) - NB production	80.26%	15	76	20-Mar-16 A	03-Jun-16	1056				
NB00410	NB48 (Ch5995-6060) - NB post & panel installation	0%	5	5	25-Jul-16	29-Jul-16	813				
NB00450	NB48 (Ch6060-6120) - backfilling	0%	12	12	11-Jul-16	23-Jul-16	-7				
NB00460	NB48 (Ch6060-6120) - NB production	80.26%	15	76	20-Mar-16 A	03-Jun-16	1056				
NB00470	NB48 (Ch6060-6120) - NB post & panel installation	0%	5	5	25-Jul-16	29-Jul-16	813				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10430	Watermain installation (along NB48, 0-60m)	64.71%	12	34	21-Mar-16 A	02-Jun-16	-7				
TSZ10440	Firemain installation (along NB48, 0-60m)	0%	30	30	03-Jun-16	09-Jul-16	-7				
TSZ10480	Watermain installation (along NB48, 60-110m)	48.15%	14	27	19-Apr-16 A	04-Jun-16	8				
TSZ10490	Firemain installation (along NB48, 60-110m)	0%	26	26	21-May-16	21-Jun-16	8				
Underground Utility Works											
UUZ20120	Utility cable laying by Utility companies (Along NB48, 0-60m)	52.81%	42	89	21-Jan-16 A	09-Jul-16	-121				
UUZ20130	Utility cable laying by Utility companies (Along NB48, 60-110m)	41.67%	42	72	05-Feb-16 A	09-Jul-16	-121				
NB49 (Ch.6145-6215)-TWSR West Side											
Noise Barrier Works											
NB00520	NB49 - backfilling	0%	12	12	20-Jul-16	02-Aug-16	15				
NB00530	NB49 - NB production	0%	45	45	20-May-16	03-Jul-16	1026				
NB00540	NB49 - NB post & panel installation	0%	5	5	03-Aug-16	08-Aug-16	805				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10510	DSD Trunk Sewer laying (along NB49)	44.44%	10	18	11-Apr-16 A	31-May-16	15				
TSZ10530	Watermain installation (along NB49)	0%	20	20	01-Jun-16	24-Jun-16	15				
TSZ10540	Firemain installation (along NB49)	0%	20	20	25-Jun-16	19-Jul-16	15				
Underground Utility Works											
UUZ20140	Utility cable laying by Utility companies (Along NB49, 0-70m)	44.05%	47	84	03-Feb-16 A	15-Jul-16	-126				
NB49B (Ch.6215-6235)-TWSR West Side											
Noise Barrier Works											
NB00580	NB49B - backfilling	16.67%	10	12	06-May-16 A	31-May-16	7				
NB00590	NB49B - NB production	0%	45	45	20-May-16	03-Jul-16	1026				
NB00600	NB49B - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	831				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10550	Sheet Piling & Excavation (~5m below ground) (along NB49B)	52.38%	10	21	06-May-16 A	31-May-16	19				
TSZ10570	DSD Trunk Sewer laying (along NB49B - ID2-1)	0%	34	34	01-Jun-16	12-Jul-16	19				
TSZ10580	Watermain installation (along NB49B)	0%	20	20	13-Jul-16	04-Aug-16	23				
TSZ10590	Firemain installation (along NB49B)	0%	20	20	05-Aug-16	27-Aug-16	23				
Underground Utility Works											
UUZ20150	Utility cable laying by Utility companies (Along NB49B, 0-16m)	0%	48	48	20-May-16	16-Jul-16	-127				
NB54 (Ch.6240-6280)-TWSR West Side											
Noise Barrier Works											
NB00710	NB54 - NB production	88.97%	15	136	20-Jan-16 A	03-Jun-16	1056				
NB00720	NB54 - NB post & panel installation	0%	5	5	04-Jun-16	10-Jun-16	854				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10630	Watermain installation (along NB54)	0%	30	30	20-May-16	24-Jun-16	47				
TSZ10640	Firemain installation (along NB54)	0%	30	30	25-Jun-16	30-Jul-16	47				
Underground Utility Works											
UUZ20160	Utility cable laying by Utility companies (Along NB54, 0-40m)	31.17%	53	77	21-Jan-16 A	22-Jul-16	-132				
NB54A (Ch.6290-6350)-TWSR West Side											
Noise Barrier Works											
NB00770	NB54A - backfilling	0%	12	12	01-Aug-16	13-Aug-16	20				
NB00780	NB54A - NB production	0%	45	45	20-May-16	03-Jul-16	1026				
NB00790	NB54A - NB post & panel installation	0%	5	5	15-Aug-16	19-Aug-16	795				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10680	Watermain installation (along NB54A)	63.64%	16	44	14-Mar-16 A	07-Jun-16	34				
TSZ10690	Firemain installation (along NB54A)	0%	30	30	08-Jun-16	14-Jul-16	34				
Underground Utility Works											
UUZ20170	Utility cable laying by Utility companies (Along NB54A, 0-60m)	0%	60	60	20-May-16	30-Jul-16	-139				
NB57 (Ch.6365-6445)-TWSR West Side											
Noise Barrier Works											
NB00850	NB57 - NB production	0%	45	45	20-May-16 A	03-Jul-16	1026				
NB00860	NB57 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	831				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10730	Watermain installation (along NB57)	0%	27	27	31-May-16	02-Jul-16	14				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								May	Jun	Jul	Aug
TSZ10740	Firemain installation (along NB57)	0%	30	30	04-Jul-16	06-Aug-16	14				
TSZ10785	PCCW drawpit by Pccw	87.84%	9	74	29-Jan-16 A	30-May-16	14				
TSZ10990	Backfilling for UU and Firemain & Watermain	0%	12	12	08-Aug-16	20-Aug-16	14				
Underground Utility Works											
UUZ20180	Utility cable laying by Utility companies (Along NB57, 0-80m)	55.88%	30	68	26-Feb-16 A	24-Jun-16	-109				
NB58 (Ch.6445-6480)-TWSR West Side											
Noise Barrier Works											
NB00910	NB58 - backfilling	0%	12	12	02-Jul-16	15-Jul-16	-30				
NB00920	NB58 - NB production	0%	45	45	20-May-16 A	03-Jul-16	1026				
NB00930	NB58 - NB post & panel installation	0%	5	5	16-Jul-16	21-Jul-16	820				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10780	Watermain installation (along NB58)	0%	40	40	20-May-16	07-Jul-16	27				
TSZ10790	Firemain installation (along NB58)	0%	40	40	20-May-16	07-Jul-16	27				
TSZ11010	Backfilling	0%	12	12	30-Jun-16	14-Jul-16	27				
Underground Utility Works											
UUZ20190	Utility cable laying by Utility companies (Along NB58, 0-45m)	0%	35	12	16-May-16 A	30-Jun-16	-114				
NB59 (Ch.6490-6590)-TWSR West Side											
Noise Barrier Works											
NB00980	NB59 - backfilling	0%	12	12	09-Jul-16	22-Jul-16	39				
NB00990	NB59 - NB production	0%	45	45	20-May-16	03-Jul-16	1015				
NB01000	NB59 - NB post & panel installation	0%	12	12	23-Jul-16	05-Aug-16	807				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10830	Watermain installation (along NB59)	84.21%	6	38	11-Apr-16 A	26-May-16	44				
TSZ10840	Firemain installation (along NB59)	0%	30	30	27-May-16	02-Jul-16	44				
Underground Utility Works											
UUZ20200	Utility cable laying by Utility companies (Along NB59, 0-95m)	53.93%	41	89	29-Jan-16 A	08-Jul-16	-120				
NB63 (Ch.6610-6700)-TWSR West Side											
Noise Barrier Works											
NB01040	NB63 - NB production	88.97%	15	136	20-Jan-16 A	03-Jun-16	1056				
NB01050	NB63 - NB post & panel installation	0%	5	5	04-Jun-16	10-Jun-16	854				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10330	Watermain installation (along NB63)	92.5%	6	80	15-Feb-16 A	26-May-16	56				
TSZ10340	Firemain installation (along NB63)	0%	30	30	27-May-16	02-Jul-16	56				
DSD Southern Trunk Sewer - Trenchless Construction											
TSZ11020	Watermain & Firemain installation above Trunk Sewer	90.48%	10	105	14-Dec-15 A	31-May-16	33				
TSZ11025	Town gas pipe laying (change of design)	0%	20	20	01-Jun-16	24-Jun-16	33				
Underground Utility Works											
UUZ20230	Utility cable laying by Utility companies (Along NB63-100m)	88.52%	41	357	29-Jan-15 A	08-Jul-16	-120				
Bridge Construction											
New Tai Hang Footbridge											
General											
THBF0335	Structure steel Shop drawing approval (THFB)	99.25%	3	399	04-Dec-14 A	23-May-16	1222				
THBF0340	Structure steel procurement (THFB)	63.36%	122	333	22-Sep-15 A	18-Sep-16	17				
TWSR-West/ FL Highway N/B Side Section											
THBF0140	THP5 - Pile cap, Pier and Pier Head	63.16%	77	209	31-Oct-15 A	19-Aug-16	158				
THBF0180	THP8, THP9 - Pile cap, Pier and Pier Head	74.42%	77	301	13-Jul-15 A	19-Aug-16	218				
THBF0220	THAB3 - pile cap & abutment wall	0%	69	69	20-May-16	10-Aug-16	199				
THBF0230	THAB3 - Backfilling (~4m)	0%	27	27	11-Aug-16	10-Sep-16	199				
THBF0270	THP6, THP7 - Pile cap, Pier and Pier Head	77.78%	16	72	01-Feb-16 A	07-Jun-16	139				
THBF0310	THAB2 - pile cap & abutment wall	0%	30	30	08-Jun-16	14-Jul-16	139				
THBF0320	THAB2 - Backfilling (~3m)	0%	20	20	15-Jul-16	06-Aug-16	139				
THBF0325	Steel Ramp ready for erection (THFB-TWSR-W side)	0%	0	0		06-Aug-16	139				06-Aug-16 ♦ Steel Ram
TWSR-East FL Highway S/B Side Section											
THBF0470	THAB1 - pile cap & abutment wall	0%	30	30	31-May-16	06-Jul-16	131				
THBF0480	THAB1 - Backfilling (~3m)	0%	20	20	07-Jul-16	29-Jul-16	131				
THBF0510	THP2 - Pile Test	85.33%	11	75	16-Feb-16 A	30-May-16	158				
THBF0520	THP2 - Pile cap, Pier and Pier Head	0%	45	45	30-Jul-16	21-Sep-16	131				
THBF0720	THP3 - Pile Test	85.33%	11	75	16-Feb-16 A	30-May-16	220				
THBF0730	THP3 - Pile cap, Pier and Pier Head	0%	45	45	31-May-16	23-Jul-16	181				
THBF0760	THP4 - Pile Test	85.33%	11	75	16-Feb-16 A	30-May-16	182				
THBF0770	THP4 - Pile cap, Pier and Pier Head	0%	45	45	31-May-16	23-Jul-16	151				
THBF0780	Modified existing column head of existing footbridge	0%	30	30	25-Jul-16	27-Aug-16	151				
Lift at TWSR-W Side											
L1500	Temp work & Pile cap	0%	45	45	20-May-16	13-Jul-16	78				
L1510	Lift pit (NF115)	0%	30	30	14-Jul-16	17-Aug-16	78				
L1520	Lift shaft & roof	0%	52	52	18-Aug-16	20-Oct-16	78				
L1556	Lift contractor sub-letting	92.13%	14	178	21-Sep-15 A	04-Jun-16	23				
L1557	Lift submission & ordering period	0%	240	240	06-Jun-16	29-Mar-17	23				
L1600	CLP Power available (by CLP)	0%	365	365	20-May-16	19-May-17	67				
Lift at FLHY S/B											
L1345	THB (E) - Pre-bored H pile - NF78 (8 nos)	89.13%	10	92	31-Dec-15 A	31-May-16	49				
L1350	Temp work & Pipe cap	0%	40	40	01-Jun-16	19-Jul-16	49				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								May	Jun	Jul	Aug
L1360	Lift pit	0%	30	30	20-Jul-16	23-Aug-16	49				
L1450	CLP Power available (by CLP)	0%	365	365	20-May-16	19-May-17	69				
New Tai Wo Footbridge											
General											
TWFB1030	Structure steel Shop drawing approval (TWFB)	92.96%	30	426	04-Dec-14 A	24-Jun-16	97				
TWFB1040	Structure steel procurement (TWFB)	73.33%	88	330	22-Aug-15 A	15-Aug-16	66				
TWFB1050	Steel Staircase & Ramp prefabrication (TWFB-TWSR-W)	0%	60	60	16-Aug-16	27-Oct-16	54				
TWFB1090	Steel Bridge prefabrication (TWFB)	0%	60	60	16-Aug-16	27-Oct-16	619				
TWSR-West/ FL Highway N/B Side Section											
TWFB1160	TWP1 - Pile cap, Pier and Pier Head	60.49%	32	81	18-Feb-16 A	27-Jun-16	185				
TWFB1240	TWAB2 - pile cap & abutment wall	0%	30	30	06-Jun-16	12-Jul-16	711				
TWFB1250	TWAB2 - Backfilling (~4m)	0%	27	27	13-Jul-16	12-Aug-16	711				
TWFB1260	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		12-Aug-16	711				12-Aug-16 ♦ Steel
TWFB1300	TWP4, TWP5 - Pile cap, Pier and Pier Head	72.66%	35	128	16-Nov-15 A	30-Jun-16	152				
TWFB1340	TWAB1 - pile cap & abutment wall	82.35%	30	170	22-Oct-15 A	24-Jun-16	137				
TWFB1350	TWAB1 - Backfilling (~3m)	0%	20	20	25-Jun-16	19-Jul-16	137				
TWFB1360	Steel Ramp ready for erection (TWFB-TWSR-W side)	0%	0	0		19-Jul-16	137				19-Jul-16 ♦ Steel Ramp ready for erect
Crossing Fanling Highway Section											
TWFB1410	TWP2 - Predrilling	0%	18	18	23-Jul-16	12-Aug-16	27				
TWFB1420	TWP2 - Pre-bored H pile (6 nos)	0%	18	18	13-Aug-16	02-Sep-16	27				
Lift at TWSR-W Side											
L1670	Lift shaft & roof	0%	52	52	20-May-16	21-Jul-16	640				
L1680	Structural Laminated glass wall installation	0%	30	30	22-Jul-16	25-Aug-16	687				
L1690	RC Link slab connect to bridge	0%	30	30	22-Jul-16	25-Aug-16	640				
L1720	Lift contractor sub-letting	92.5%	13	177	21-Sep-15 A	04-Jun-16	486				
L1730	Lift submission & ordering period	0%	270	270	04-Jun-16	10-May-17	486				
L1780	CLP Power available (by CLP)	0%	365	365	20-May-16	19-May-17	669				
Temporary Tai Wo Footbridge											
Design Works											
TWFB-T1010	Design preparation	87.41%	31	249	20-Jul-15 A	27-Jun-16	64				
TWFB-T1020	Engineer Comment	0%	26	26	27-Jun-16	28-Jul-16	64				
TWFB-T1030	Design amendment	0%	26	26	28-Jul-16	27-Aug-16	64				
Demolition of Existing Tai Wo Footbridge											
TWSR-West/ FL Highway N/B Side Section											
TWFB-T1135	Demolish existing TWFB across TWSR-W	0%	25	25	15-Jul-16	12-Aug-16	27				
TWFB-T1230	Watermain & Firemain at NB58 & backfill	0%	46	46	20-May-16	14-Jul-16	27				
TWSR-West Construction											
Drainage & Road Works											
Ch 5880-6125											
RDZ20160	Z2 : New TWSR-West D&R Works (lane 1)	0%	120	120	01-Aug-16	21-Dec-16	-43				
Noise Barrier Along Fanling Highway S/B											
NB51 (Ch.5935-6055)-FH S/B Side											
Noise Barrier Works											
NB02280	NB51 ID1-3 (0-25m) - Footing & Wall Structure	0%	90	90	20-May-16	03-Sep-16	394				
NB52 (Ch.6055-6125) -FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02362	Coordinate with MTRC for Precautionary Measure	0%	60	60	19-Aug-16	31-Oct-16	579				
NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02430	Precautionary Measure installation	0%	26	26	20-May-16	20-Jun-16	579				
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	21-Jun-16	21-Jul-16	579				
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	22-Jul-16	30-Sep-16	579				
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	05-Jul-16	15-Jul-16	662				
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs	0%	27	27	16-Jul-16	16-Aug-16	662				
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	17-Aug-16	09-Sep-16	662				
NB02590	NB53 (125-180m) - NB production	0%	45	45	20-May-16	03-Jul-16	1026				
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	831				
NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02640	NB55 - Footing & Wall Structure	94.58%	24	443	07-Nov-14 A	17-Jun-16	662				
NB02650	NB55- backfilling	0%	50	50	18-Jun-16	16-Aug-16	662				
NB02660	NB55 - NB production	90.57%	10	106	15-Jan-16 A	29-May-16	1061				
NB02670	NB55 - NB post & panel installation	0%	5	5	17-Aug-16	22-Aug-16	793				
NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02730	NB56 - NB production	57.14%	45	105	20-Feb-16 A	03-Jul-16	1026				
NB02740	NB56 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	831				
NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02770	NB61 (0-50m) - Sheet piling & Excavation	0%	18	18	20-May-16	10-Jun-16	754				
NB02780	NB61 (0-50m) - Footing & Wall Structure	0%	50	50	11-Jun-16	09-Aug-16	754				
NB02790	NB61 (0-50m)- backfilling	0%	50	50	10-Aug-16	08-Oct-16	754				
NB02800	NB61 (0-50m) - NB production	0%	45	45	10-Aug-16	23-Sep-16	944				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								May	Jun	Jul	Aug
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-May-16	03-Jul-16	1026				
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	831				
NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02920	NB61A (0-50m) - NB production	85.71%	15	105	20-Feb-16 A	03-Jun-16	1056				
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	04-Jun-16	10-Jun-16	854				
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	97.92%	7	337	01-Apr-15 A	27-May-16	825				
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	28-May-16	21-Jun-16	840				
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	28-May-16	11-Jul-16	1018				
NB03000	NB61A ID2-3 (50-75m) - NB post & panel installation	0%	5	5	12-Jul-16	16-Jul-16	824				
NB03040	NB61A (75-190m) - NB production	85.71%	15	105	20-Feb-16 A	03-Jun-16	1056				
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	04-Jun-16	10-Jun-16	854				
Other Works											
Site Clearance & Demolition of Existing Structure											
Contract Condition											
MCLT1050	Apply cert for exemption by DLO by Engineer	0%	0	0	20-May-16	20-May-16	1225				
MCLT1090	New MCLT - finishes works	0%	75	75	20-May-16 A	17-Aug-16	112				
MCLT1100	New MCLT completion	0%	0	0		17-Aug-16	112				17-Aug-16* ◆
TCSS Works											
G54											
TCSS1500	Slow lane footing - G54 (NB61)	0%	0	0		20-May-16	722				20-May-16 ◆ Slow lane footing - G54 (NB61)
South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)											
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-May-16 A	03-Jul-16	422				
NB01130	NB63A-2 - backfilling	0%	12	12	18-Jun-16	02-Jul-16	-19				
NB01140	NB63A-2 - NB production	0%	45	45	20-May-16 A	03-Jul-16	422				
NB01150	NB63A-2 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	341				
NB01170	NB63A-3 - Footing & Wall Structure (ch24.2-86.9) - 5 bays	85%	12	80	18-Jan-16 A	02-Jun-16	-7				
NB01180	NB63A-3 - backfilling	0%	12	12	18-Jun-16	02-Jul-16	-19				
NB01190	NB63A-3 - NB production	0%	45	45	03-Jun-16	17-Jul-16	408				
NB01200	NB63A-3 - NB post & panel installation	0%	5	5	18-Jul-16	22-Jul-16	329				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10860	DSD Trunk Sewer laying (along NB63A)	51.85%	26	54	14-Mar-16 A	20-Jun-16	9				
TSZ10880	Watermain installation (along NB63A)	0%	30	30	21-Jun-16	26-Jul-16	9				
TSZ10890	Firemain installation (along NB63A)	0%	30	30	27-Jul-16	30-Aug-16	9				
Underground Utility Works											
UUZ20210	Utility cable laying by Utility companies (Along NB63A, 125m)	50%	24	48	18-Mar-16 A	17-Jun-16	-103				
NB64 & NB64A (Ch.6860-6920)-TWSR West Side											
Noise Barrier Works											
NB001060	NB64 & NB64A -NB post & panel installation	6.06%	31	33	14-Mar-16 A	25-Jun-16	351				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10910	DSD Trunk Sewer laying (along NB64)	0%	18	18	20-Apr-16 A	10-Jun-16	11				
TSZ10920	Backfill up to NB64 footing level	0%	6	6	11-Jun-16	17-Jun-16	11				
TSZ10930	Watermain installation (along NB64)	0%	30	30	18-Jun-16	23-Jul-16	11				
TSZ10940	Firemain installation (along NB64)	0%	30	30	25-Jul-16	27-Aug-16	11				
Underground Utility Works											
UUZ20220	Utility cable laying by Utility companies (Along NB64, 60m)	6.25%	60	64	29-Feb-16 A	30-Jul-16	-139				
Bridge Construction											
Kau Lung Hang Vehicular Bridge											
Target Milestone											
MS03	Completion of Bridge Deck 3 Structure between	0%	0	0		31-May-16	0				31-May-16* ◆ Completion of Bridge Deck 3 Structure between VBP6-VBP7-VBP8-Eas
MS04	Completion of Installation of all Precast Concrete Skins	0%	0	0		30-Jun-16	0				30-Jun-16* ◆ Completion of Installation of all Precast Con
MS05	Completion of Installation of all Parapet Walls and Planter Walls	0%	0	0		14-Jul-16*	2				14-Jul-16* ◆ Completion of Installation of all
MS06	Commissioning of Kau Lung Hang Vehicular Bridge to enable	0%	0	0		08-Aug-16	0				08-Aug-16* ◆ Commis
KLH Bridge - West Ramp											
KLH.1034	West Ramp Structure Work (6 bays after P3-4 beams lifting)	74.63%	17	67	20-Feb-16 A	08-Jun-16	0				
KLH.1140	West Ramp - Backfilling & Drainage	8.89%	41	45	17-May-16 A	08-Jul-16	0				
KLH.1180	West Ramp - Parapet skin (92nos)	31.37%	35	51	07-Apr-16 A	30-Jun-16	0				
KLH.1240	West Ramp -Parapet Wall & Planter Wall	0%	45	45	21-May-16	14-Jul-16	0				
KLH.1250	West Ramp - Road Surface work ready to start	0%	0	0	09-Jul-16		0				◆ West Ramp - Road Surface work rea
KLH.1260	West Ramp - barrier	0%	21	21	15-Jul-16	08-Aug-16	0				
KLH.1280	West Ramp - Lighting	0%	21	21	15-Jul-16	08-Aug-16	0				
KLH.1290	West Ramp - Planting	0%	21	21	15-Jul-16	08-Aug-16	0				
KLH.1300	West Ramp Complete	0%	0	0		08-Aug-16	0				08-Aug-16 ◆ West Ra
KLH Bridge - Deck 1											
KLH.3380	Deck 1 - Parapet skin (61nos)	82.46%	10	57	14-Mar-16 A	31-May-16	25				
KLH.3390	Deck 1 - Parapet Wall & Planter Wall	22.22%	35	45	07-May-16 A	30-Jun-16	6				
KLH.3400	Deck 1 - Road Surface work ready to start	0%	0	0	02-Jul-16		6				◆ Deck 1 - Road Surface work ready to start
KLH.3410	Deck 1 - barrier	0%	21	21	02-Jul-16	26-Jul-16	11				
KLH.3420	Deck 1 - Lighting	0%	21	21	02-Jul-16	26-Jul-16	11				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								May	Jun	Jul	Aug
KLH.3430	Deck 1 - Planting	0%	21	21	02-Jul-16	26-Jul-16	11				
KLH.3440	Deck 1 - Complete	0%	0	0		29-Jul-16	8				29-Jul-16 ♦ Deck 1 - Comple
KLH.3630	Pedestrian walkway Roof & Parapet P2 to P3	0%	30	30	07-Jun-16	13-Jul-16	8				
KLH.3640	Pedestrian walkway floor finishes P2 to P3	0%	14	14	14-Jul-16	29-Jul-16	8				
KLH Bridge - Deck 2											
KLH.3130	Precast Concrete Skin (P5 to P6)(14nos)	37.5%	5	8	29-Apr-16 A	30-May-16	2				
KLH.3140	Parapet wall (P5 to P6)	0%	21	21	23-May-16	16-Jun-16	4				
KLH.3150	Finished Surface of Road ready for P5-P6	0%	0	0	17-Jun-16		4				♦ Finished Surface of Road ready for P5-P6
KLH.3160	Pedestrian walkway Roof & Parapet P5-P6	0%	30	30	17-Jun-16	22-Jul-16	4				
KLH.3170	Pedestrian walkway floor finishes P5-P6	0%	14	14	19-Jul-16	03-Aug-16	4				
KLH.3230	Precast Concrete Skin (P4 to P5)(12nos)	0%	7	5	30-Apr-16 A	27-May-16	16				
KLH.3240	Parapet wall (P4 to P5)	53.33%	14	30	18-May-16 A	04-Jun-16	9				
KLH.3250	Finished Surface of Road ready for P4 to P5	0%	0	0	06-Jun-16		9				♦ Finished Surface of Road ready for P4 to P5
KLH.3260	Pedestrian walkway Roof & Parapet P4 to P5	0%	30	30	06-Jun-16	12-Jul-16	9				
KLH.3270	Pedestrian walkway floor finishes P4 to P5	0%	14	14	13-Jul-16	28-Jul-16	9				
KLH.3330	Precast Concrete Skin (P3 to P4)(11nos)	0%	10	7	23-Apr-16 A	31-May-16	13				
KLH.3340	Parapet wall (P3 to P4)	46.67%	16	30	18-May-16 A	07-Jun-16	7				
KLH.3350	Finished Surface of Road ready for P3 to P4	0%	0	0	08-Jun-16		7				♦ Finished Surface of Road ready for P3 to P4
KLH.3360	Pedestrian walkway Roof & Parapet P3 to P4	0%	30	30	08-Jun-16	14-Jul-16	7				
KLH.3370	Pedestrian walkway floor finishes P3 to P4	0%	14	14	15-Jul-16	30-Jul-16	7				
KLH Bridge - Deck 3											
KLH.1380	Deck - VBP6 to VBP7	87.65%	10	81	20-Feb-16 A	31-May-16	0				
KLH.3450	Deck 3 - Parapet skin (61nos)	0%	25	25	26-May-16*	24-Jun-16	0				
KLH.3460	Deck 3 - Parapet Wall & Planter Wall	0%	33	33	03-Jun-16	13-Jul-16	1				
KLH.3470	Deck 3 - Road Surface work ready to start	0%	0	0	14-Jul-16		1				♦ Deck 3 - Road Surface work rea
KLH.3480	Deck 3 - barrier	0%	21	21	14-Jul-16	06-Aug-16	1				
KLH.3490	Deck 3 - Lighting	0%	21	21	14-Jul-16	06-Aug-16	1				
KLH.3500	Deck 3 - Planting	0%	21	21	14-Jul-16	06-Aug-16	1				
KLH.3510	Deck 3 - Complete	0%	0	0		06-Aug-16	1				06-Aug-16 ♦ Deck 3 - C
KLH.3650	Pedestrian walkway Roof & Parapet P6 to P7	0%	30	30	16-Jun-16	21-Jul-16	1				
KLH.3660	Pedestrian walkway floor finishes P6 to P7	0%	14	14	22-Jul-16	06-Aug-16	1				
KLH Bridge - East Ramp											
KLH.3530	East Ramp - Backfilling & Drainage	33.33%	40	60	09-May-16 A	07-Jul-16	1				
KLH.3540	East Ramp - Parapet skin (79nos)	81.48%	10	54	23-Mar-16 A	31-May-16	13				
KLH.3550	East Ramp -Parapet Wall & Planter Wall	22.22%	35	45	07-May-16 A	30-Jun-16	13				
KLH.3560	East Ramp - Road Surface work ready to start	0%	0	0	08-Jul-16		1				♦ East Ramp - Road Surface work read
KLH.3570	East Ramp - barrier	0%	21	21	08-Jul-16	01-Aug-16	6				
KLH.3580	East Ramp - Lighting	0%	21	21	08-Jul-16	01-Aug-16	6				
KLH.3590	East Ramp - Planting	0%	21	21	08-Jul-16	01-Aug-16	6				
KLH.3600	East Ramp Complete	0%	0	0		01-Aug-16	6				01-Aug-16 ♦ East Ramp Co
KLH Bridge - Ramp R1											
Z2.KLH.1450	Ramp R1 - Pile caps and pier construction (R1P1)	86.22%	35	254	02-Jul-15 A	30-Jun-16	32				
Z2.KLH.1670	Ramp R1 - Pile caps and pier construction (R1P3)	0%	40	40	20-May-16	07-Jul-16	27				
Z2.KLH.1680	Ramp R1 - Ramp construction (Abutment R1 to R1P1)	0%	40	40	02-Jul-16	17-Aug-16	58				
Z2.KLH.1685	Ramp R1 - Ramp construction (R1P1 to P1P3)	0%	40	40	08-Jul-16	23-Aug-16	27				
Z2.KLH.1710	Ramp R1 - Abutment R1 - base slab & wall	91.98%	21	262	22-Jun-15 A	14-Jun-16	52				
Z2.KLH.1720	Ramp R1 - Abutment R1 - Top slab	0%	30	30	15-Jun-16	20-Jul-16	52				
Z2.KLH.1730	Ramp R1 - Abutment R1 - Staircase	0%	30	30	21-Jul-16	24-Aug-16	52				
Z2.KLH.3610	Ramp R1 - Steel roof	0%	40	40	25-Jul-16	08-Sep-16	27				
Z2.KLH.3620	Ramp R1 - finishes work	0%	30	30	19-Aug-16	23-Sep-16	27				
KLH Bridge - Ramp R2											
Z2.KLH.1523	VO 028 - Boundary Wall to Hse 190B structure	0%	24	24	20-May-16*	17-Jun-16	822				
Z2.KLH.1524	VO 028 - Boundary Wall to Hse 190B E&M, Drainage	0%	26	26	18-Jun-16	19-Jul-16	822				
Z2.KLH.1530	Ramp R2 - Pile cap, abutment and pier construction	78.23%	32	147	20-Nov-15 A	27-Jun-16	1				
Z2.KLH.1540	Ramp R2 - Ramp construction	0%	60	60	28-May-16	08-Aug-16	1				
Z2.KLH.1545	Ramp R2 - Ramp construction (section after VBP6-7 deck)	0%	35	35	09-Aug-16	19-Sep-16	1				
Bridge Road Work											
Z2.KLH.1930	Road Pavement Works (East Ramp)	0%	26	26	08-Jul-16	06-Aug-16	1				
Z2.KLH.1940	Road Pavement Works (Deck 1)	0%	26	26	02-Jul-16	01-Aug-16	6				
Z2.KLH.1950	Road Pavement Works (Deck 2)	0%	26	26	17-Jun-16	18-Jul-16	18				
Z2.KLH.1960	Road Pavement Works (Deck 3)	0%	21	21	14-Jul-16	06-Aug-16	1				
Z2.KLH.1970	Road Pavement Works (West Ramp)	0%	26	26	09-Jul-16	08-Aug-16	0				
Z2.KLH.1980	KLHVB road work complete	0%	0	0		08-Aug-16	0				08-Aug-16 ♦ KLHVB r
Z2.KLH.2020	Completion of Stage S1 of works (KD11)	0%	0	0		08-Aug-16	0				08-Aug-16 ♦ Complet
Z2.KLH.2030	Diversion of existing pedestrian to proposed Kiu Lung Hang Vehicular	0%	1	1	09-Aug-16	09-Aug-16	0				
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	09-Aug-16	31-Dec-16	685				
Lift at TWSR-W Side											
L01000	KLHVB completed	0%	0	0	09-Aug-16		74				♦ KLHVB

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								May	Jun	Jul	Aug
L01010	Demolish Temp NWP ramp	0%	26	26	09-Aug-16	07-Sep-16	74				
L01093	Lift contractor sub-letting	90.91%	20	220	10-Aug-15 A	13-Jun-16	62				
L01094	Lift submission & ordering period	0%	270	270	14-Jun-16	17-May-17	62				
L01140	CLP Power available (by CLP)	12.07%	335	381	04-Apr-16 A	19-Apr-17	187				
Lift at FLHY S/B											
L01180	Earliest date for lift construction resume	0%	0	0	07-Jul-16		60				◆ Earliest date for lift construction resume
L01190	Set up & Pile test	0%	45	45	07-Jul-16	27-Aug-16	60				
L01300	CLP Power available (by CLP)	8.22%	335	365	04-Apr-16 A	19-Apr-17	190				
Demolition of Existing Nam Wa Po Footbridge											
Demolition Work											
Z2.NWP.1060	Temporary support installation at existing Fanling Highway	0%	65	65	10-Aug-16	27-Oct-16	0				
Noise Barrier Along Fanling Highway S/B											
NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB03080	NB62 (0-80m) - Sheet piling & Excavation	0%	18	18	20-May-16	10-Jun-16	-12				
NB03090	NB62 (0-80m) - Footing & Wall Structure	0%	60	60	11-Jun-16	20-Aug-16	-12				
NB03180	NB62 (110-170m) - Sheet piling & Excavation	0%	18	18	27-Jul-16	16-Aug-16	-17				
NB03190	NB62 (110-170m) - Footing & Wall Structure	0%	60	60	17-Aug-16	28-Oct-16	-17				
NB70 (Ch.6910-6930)-FH S/B Side											
Noise Barrier Works											
NB03250	NB70 - Sheet piling & Excavation	0%	18	18	20-May-16	10-Jun-16	-17				
NB03260	NB70 - Footing & Wall Structure	0%	26	26	11-Jun-16	12-Jul-16	-17				
NB03270	NB70- backfilling	0%	12	12	13-Jul-16	26-Jul-16	-17				
NB03280	NB70 - NB production	0%	45	45	13-Jul-16	26-Aug-16	972				
North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)											
Bridge Construction											
New Ho Ka Yuen Footbridge											
General											
HKY1060	Steel Staircase & Ramp prefabrication (HKYB-TWSR-W)	0%	60	45	01-Apr-16 A	30-Jul-16	-51				
HKY1070	Steel Staircase & Ramp available on site (HKYB-TWSR-W side)	0%	0	0	01-Aug-16		-51				◆ Steel Staircase
HKY1100	Steel Bridge prefabrication (HKYB)	65%	21	60	01-Apr-16 A	14-Jun-16	4				
HKY1110	Steel Bridge available on site (HKYB)	0%	0	0	15-Jun-16		4				◆ Steel Bridge available on site (HKYB)
TWSR-West/ FL Highway N/B Side Section											
HKY1164	HKYP6 - additional rock breaking	36.67%	19	30	16-May-16 A	11-Jun-16	-70				
HKY1170	HKYP6 - Pile cap, Pier and Pier Head	0%	60	60	13-Jun-16	22-Aug-16	-70				
HKY1350	HKYAB4 - pile cap & abutment wall	40%	33	55	21-Mar-16 A	28-Jun-16	-36				
HKY1360	HKYAB4 - Backfilling (~3m)	0%	12	12	29-Jun-16	13-Jul-16	-36				
Crossing Fanling Highway Section											
HKY1416	TTA Stage 4 start	0%	0	0	14-Jul-16		1180				◆ TTA Stage 4 start
HKY1450	HKYP2 - Pile cap, Pier and Pier Head	84.62%	12	78	26-Feb-16 A	02-Jun-16	13				
TWSR-East FL Highway S/B Side Section											
HKY1600	Finishes Work	0%	30	30	20-May-16	24-Jun-16	19				
HKY1610	Bridge Structure complete (HKYFB-TWSR-E side)	0%	0	0		15-Jul-16	2				15-Jul-16 ◆ Bridge Structure complete (HKYFB-TWSR-E side)
HKY1860	Erect Steel Ramp (HKYFB-TWSR-E side)	59.49%	32	79	20-Feb-16 A	27-Jun-16	2				
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	0%	30	30	10-Jun-16	15-Jul-16	2				
Demolition of Existing Ho Ka Yuen Footbridge											
Crossing Fanling Highway Section											
HKY1680	Erect Temp platform for bridge demolition	0%	52	52	09-Aug-16	11-Oct-16	-66				
ZONE 4 (Ch. 7925 to 8700)											
Noise Barrier Along Fanling Highway N/B											
NB77 (Ch.8090-8450)-FH N/B Side											
Noise Barrier Works											
NB4285	TTA for FH N/B (Stage 6) start	0%	0	0	12-Aug-16		12				◆ TTA for FH N/B (Stage 6) start
NB4290	NB77 -Pre-drilling (Ch8090-8190)	0%	24	24	19-Aug-16	15-Sep-16	6				
NB4350	NB77 -Pre-drilling (Ch8190-8290)	0%	108	108	19-Aug-16	28-Dec-16	0				
Bridge Construction											
New Wo Hop Shek Pedstrian & Cycle Bridge											
General											
WHS1060	Steel Ramp available on site (WHSB)	0%	0	0	20-May-16		11				◆ Steel Ramp available on site (WHSB)
WHS1080	Steel Staircase available on site (WHSB)	0%	0	0	20-May-16		874				◆ Steel Staircase available on site (WHSB)
TWSR-West/ FL Highway N/B Side Section											
WHS1228	WHSP7 - Pile cap, Pier and Pier Head	0%	45	45	20-May-16	13-Jul-16	772				
WHS1260	WHSAB1 - pile cap & abutment wall	0%	30	30	14-Jul-16	17-Aug-16	772				
WHS1270	WHSAB1 - Backfilling (~4m)	0%	27	27	18-Aug-16	19-Sep-16	772				
WHS1930	WHSP4 - Pile cap, Pier and Pier Head	86.94%	35	268	02-Jul-15 A	30-Jun-16	6				
WHS1980	1st half Steel Ramp ready for erection (WHS-TWSR-W side)	0%	0	0		30-Jun-16	6				30-Jun-16 ◆ 1st half Steel Ramp ready for erection (WHS-TWSR-W side)
WHS1990	Erect 1st half ramp	0%	60	60	26-May-16	05-Aug-16	6				
WHS2000	Erect temp pedestrian ramp besides 1st half ramp	0%	45	45	06-Aug-16	28-Sep-16	6				
WHS2010	Erect temp access between existing bridge to 1st half ramp	0%	45	45	06-Aug-16	28-Sep-16	6				
Crossing Fanling Highway Section											
WHS1490	Finishes Work	0%	30	30	20-May-16	24-Jun-16	86				
WHS1500	Bridge Structure complete (WHSB-Cross fanling highway)	0%	0	0		24-Jun-16	86				24-Jun-16 ◆ Bridge Structure complete (WHSB-Cross fanling highway)
Demolition of Existing Wo Hop Shek Pedstrian & Cycle Bridge											
Crossing Fanling Highway Section											

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				
								May	Jun	Jul	Aug	
WHS1790	Erect Temp platform for bridge demolition	0%	60	60	21-Jul-16	29-Sep-16	487					
Slip Road Y Construction												
Drainage & Road Works												
TWSR-East FL Highway S/B Side Section												
RDZ41020	Construct Slip Rd Y @ existing TWSR-E junction	87.14%	18	140	01-Dec-15 A	10-Jun-16	21					
RDZ41082	Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 lane @	92.04%	16	201	17-Sep-15 A	07-Jun-16	1209					
RDZ41084	Construct Slip Rd Y (Ch7925-8050)(SA3460) - 1 temp	89.81%	16	157	11-Nov-15 A	07-Jun-16	34					
Underground Utility Works												
DN600 and DN900 Watermain												
DN1056	Laying DN600 section after DN900 changeover Works	63.33%	33	90	01-Feb-16 A	28-Jun-16	0					
DN1060	Watermain (DN600) changeover for TTA stage 4	0%	6	6	29-Jun-16	06-Jul-16	0					
VO - Wall 76A Construction												
Retaining Wall W76A												
TWSR-East FL Highway S/B Side Section												
W76A1050	Drainage work for Caltex access road	0%	150	150	20-May-16	16-Nov-16	604					
Fanling Highway Construction												
Drainage & Road Works												
TWSR-East FL Highway S/B Side Section												
RDZ41025	Construct FH S/B Lane 1,2 @ existing TWSR-E junction	85.6%	18	125	18-Dec-15 A	10-Jun-16	21					
RDZ41050	Traffic Diversion for FH S/B road construction (Z4 TTA-Stage 4)	0%	6	6	07-Jul-16	13-Jul-16	0					
RDZ41090	Remove FH central barrier	0%	25	25	14-Jul-16	11-Aug-16	0					
RDZ41100	TTA for FH N/B Lane 1, 2, 3 construction (Ch7925-8600)(SA340)	0%	6	6	12-Aug-16	18-Aug-16	0					
RDZ41114	Construct FH N/B Lane 3 (Ch7925-8600)	0%	68	68	19-Aug-16	09-Nov-16	165					
Other Works												
Retaining Wall W77B												
TWSR-East FL Highway S/B Side Section												
RWZ4.1100	Base slab & Wall (0-3m high)- RW77B (Ch 0-40)	39.8%	59	98	01-Mar-16 A	29-Jul-16	143					
RWZ4.1110	Backfilling (0-3m) - RW77B (Ch 0-40)	0%	30	30	30-Jul-16	02-Sep-16	173					
TCSS Works												
TCSS Pre-Construction Works												
TCSS0120	Prepare Shop Drawing-TCSS	0%	45	45	20-May-16	13-Jul-16	253					
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	14-Jul-16	03-Aug-16	317					
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	04-Aug-16	24-Aug-16	252					
G35												
TCSS1550	Slip road island footing - G35 (CH8410, N/B)	0%	30	30	19-Aug-16	23-Sep-16	436					
FVMS2 (Deleted by RFI-138, Pending for VO)												
TCSS1640	Slow lane footing - FVMS2 (CH8400, S/B)- Deleted by RFI-138	0%	30	30	14-Jul-16	17-Aug-16	587					

**CONSTRUCTION PROGRAMME OF
JUNE 2016**

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Jun	Jul	Aug	Sep
Contract Condition											
General											
Contract Condition											
KD11	KD-11(1061d)- S1: Achievement: Kau Lung Hang Veh. Bridge & KD-17 (1097d) -N3: Comission of Slip Road Y (Section bet. Fanling	0%	0	0		08-Aug-16	0			08-Aug-16* ◆ KD-11(1061d)- S1: Achievement: Kau	
KD17	Site Area SA323A (360d) (not required)	0%	0	0	20-Jun-16	11-Jul-16*	8			11-Jul-16* ◆ KD-17 (1097d) -N3: Comission of Slip Road Y (Section bet. Fa	
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Jun-16		1480			◆ Site Area SA323A (360d) (not required)	
POSSA327	Site Area SA327 (180d)	0%	0	0	20-Jun-16*		-536			◆ Site Area SA327 (180d)	
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-Jun-16*		-338			◆ Site Area SA327A (730d)	
POSSA345	Site Area SA345 (0d)	0%	0	0	20-Jun-16*		-203			◆ Site Area SA345 (0d)	
ZONE 1 (Ch. 5640 to 5880)											
Noise Barrier Along TWSR-West and Laying New Utilities											
DSD Southern Trunk Sewer, Water Main, Fire Main Works											
DSD Southern Trunk Sewer, Water Main Fire Main Works											
DSD0090	DSD Truck Sewer Laying complete	0%	0	0	02-Aug-16		2			◆ DSD Truck Sewer Laying complete	
DSD0100	DSD Trunk Sewer Laying - overall testing (Zone 1 & Zone 2)	0%	45	45	02-Aug-16	23-Sep-16	2				
NB42 (Ch.5640-5740)-TWSR West Side											
Noise Barrier Works											
NB00115	NB42 (Ch5640-5740) - Backfilling	0%	12	12	26-Jul-16	08-Aug-16	-5				
NB00131	NB42 (Ch5640-5740) - NB panel installation	0%	5	5	20-Jun-16	24-Jun-16	862				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10140	Firemain installation (along NB42)	0%	30	30	20-Jun-16	25-Jul-16	-5				
NB42A (Ch.5750-5810)-TWSR West Side											
Noise Barrier Works											
NB00210	NB42A (Ch5750-5810) - NB post & panel installation	0%	17	5	06-May-16 A	09-Jul-16	850				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10190	Firemain installation (along NB42A)	0%	20	20	20-Jun-16	13-Jul-16	-28				
NB47B (Ch.5820-5880)-TWSR West Side											
Noise Barrier Works											
NB00235	NB47B (Ch5820-5880)- backfilling	0%	12	12	11-Jul-16	23-Jul-16	-37				
NB00250	NB47B (Ch5820-5880)- NB post & panel installation	0%	15	5	20-Jun-16 A	07-Jul-16	852				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10240	Firemain installation (along NB47B)	87.68%	17	138	13-Nov-15 A	09-Jul-16	-37				
Underground Utility Works											
UUZ10121	Utility cable laying by Utility companies (along bay 311A)	88.37%	10	86	13-Jan-16 A	30-Jun-16	-114				
UUZ10130	Z1 Utility work complete is ready for energization	0%	0	0		30-Jun-16	-114			30-Jun-16 ◆ Z1 Utility work complete is ready for energization	
Noise Barrier Along Fanling Highway N/B											
Site Clearance & Demolition of Existing Structure											
Underground Utility Works											
ADVZ20175	All UU and backfill along TWSR-W complete	0%	0	0		29-Aug-16	-81			29-Aug-16 ◆ All UU and backfi	
ADVZ20180	Utility cable changeover period (NWT)	0%	184	184	30-Aug-16	01-Mar-17	-120				
ADVZ20182	Additional Utility cable changeover period (PCCW. HCG)	0%	274	274	30-Aug-16	30-May-17	-210				
TWSR-West Construction											
Drainage & Road Works											
Ch 5640-5880											
RDZ10090	Z1: New Tai Wo Service Road West - Drainage & Road works (2 lanes)	0%	176	176	30-Aug-16	07-Apr-17	-45				
Noise Barrier Along Fanling Highway S/B											
NB44 (Ch.5700-5760)-FH S/B Side											
Noise Barrier Works											
NB01390	NB44 - NB production	0%	45	45	20-Jun-16	03-Aug-16	1020				
NB01400	NB44 - NB post & panel installation	0%	5	5	04-Aug-16	09-Aug-16	824				
NB45 (Ch.5760-5820)-FH S/B Side											
Noise Barrier Works											
NB01440	NB45 - NB production	68.89%	14	45	20-May-16 A	03-Jul-16	1051				
NB01450	NB45 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	851				
NB46 (Ch.5820-5880)-FH S/B Side											
Noise Barrier Works											
NB01490	NB46 - NB production	68.89%	14	45	20-May-16 A	03-Jul-16	1051				
NB01500	NB46 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	851				
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.1250	Construction of proposed SHRINE	0%	165	165	20-Jun-16	05-Jan-17	682				
NB47 (Ch.5880-5930)-TWSR West Side											
Noise Barrier Works											
NB00290	NB47 (Ch5880-5930)- NB post & panel installation	0%	5	5	20-Jun-16	24-Jun-16	842				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10290	Firemain installation (along NB47)	0%	26	26	20-Jun-16	20-Jul-16	1174				
NB47A (Ch.5950-5975)-TWSR West Side											
Noise Barrier Works											
NB00330	NB47A - backfilling	97.6%	5	208	07-Sep-15 A	07-Jul-16	-23				

	Project ID: WP Rev 03 (1606)	<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-Jun-16)</p>		Date	Revision	C...	A
	Layout: 3 Month Rolling Program			13-May-14	WP Rev 1		
Page 1 of 7				30-Jun-14	WP Rev 1A		
				28-Aug-15	WP Rev 2		
				07-Apr-16	WP Rev 3		

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Jun	Jul	Aug	Sep
NB00335	Backfilling (Along NB47A-above ID1)	97.3%	5	185	06-Oct-15 A	07-Jul-16	-23				
NB00350	NB47A - NB post & panel installation	0%	5	5	08-Jul-16	13-Jul-16	827				
Underground Utility Works											
UUZ20110	Utility cable laying by Utility companies (Along NB47A)	89.9%	10	99	13-Jan-16 A	30-Jun-16	-114				
UUZ20240	Utility cable laying by Utility companies (Along NB47A-above)	89.9%	10	99	13-Jan-16 A	30-Jun-16	-114				
NB48 (Ch.5995-6120)-TWSR West Side											
Noise Barrier Works											
NB00390	NB48 (Ch5995-6060) - backfilling	0%	12	12	10-Aug-16	23-Aug-16	-33				
NB00410	NB48 (Ch5995-6060) - NB post & panel installation	0%	5	5	24-Aug-16	29-Aug-16	787				
NB00450	NB48 (Ch6060-6120) - backfilling	0%	12	12	09-Aug-16	22-Aug-16	-32				
NB00470	NB48 (Ch6060-6120) - NB post & panel installation	0%	5	5	23-Aug-16	27-Aug-16	788				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10440	Firemain installation (along NB48, 0-60m)	0%	30	30	20-Jun-16	25-Jul-16	-20				
TSZ10490	Firemain installation (along NB48, 60-110m)	0%	26	26	20-Jun-16	20-Jul-16	-16				
Underground Utility Works											
UUZ20120	Utility cable laying by Utility companies (Along NB48, 0-60m)	51.69%	43	89	21-Jan-16 A	09-Aug-16	-147				
UUZ20130	Utility cable laying by Utility companies (Along NB48, 60-110m)	41.67%	42	72	05-Feb-16 A	08-Aug-16	-146				
NB49 (Ch.6145-6215)-TWSR West Side											
Noise Barrier Works											
NB00520	NB49 - backfilling	0%	12	12	26-Jul-16	08-Aug-16	10				
NB00530	NB49 - NB production	50%	23	45	20-May-16 A	12-Jul-16	1018				
NB00540	NB49 - NB post & panel installation	0%	5	5	09-Aug-16	13-Aug-16	800				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10510	DSD Trunk Sewer laying (along NB49)	44.44%	10	18	11-Apr-16 A	30-Jun-16	28				
TSZ10530	Watermain installation (along NB49)	50%	10	20	01-Jun-16 A	30-Jun-16	10				
TSZ10540	Firemain installation (along NB49)	0%	20	20	02-Jul-16	25-Jul-16	10				
Underground Utility Works											
UUZ20140	Utility cable laying by Utility companies (Along NB49, 0-70m)	73.81%	22	84	03-Feb-16 A	15-Jul-16	-126				
NB49B (Ch.6215-6235)-TWSR West Side											
Noise Barrier Works											
NB00590	NB49B - NB production	68.89%	14	45	20-May-16 A	03-Jul-16	1026				
NB00600	NB49B - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	831				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10570	DSD Trunk Sewer laying (along NB49B - ID2-1)	44.12%	19	34	01-Jun-16 A	12-Jul-16	19				
TSZ10580	Watermain installation (along NB49B)	0%	20	20	13-Jul-16	04-Aug-16	23				
TSZ10590	Firemain installation (along NB49B)	0%	20	20	05-Aug-16	27-Aug-16	23				
Underground Utility Works											
UUZ20150	Utility cable laying by Utility companies (Along NB49B, 0-16m)	52.08%	23	48	10-Jun-16 A	16-Jul-16	-127				
NB54 (Ch.6240-6280)-TWSR West Side											
Noise Barrier Works											
NB00710	NB54 - NB production	88.97%	15	136	20-Jan-16 A	04-Jul-16	1025				
NB00720	NB54 - NB post & panel installation	0%	5	5	05-Jul-16	09-Jul-16	830				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10630	Watermain installation (along NB54)	3.33%	29	30	20-May-16 A	23-Jul-16	23				
TSZ10640	Firemain installation (along NB54)	0%	30	30	25-Jul-16	27-Aug-16	23				
Underground Utility Works											
UUZ20160	Utility cable laying by Utility companies (Along NB54, 0-40m)	63.64%	28	77	21-Jan-16 A	22-Jul-16	-132				
NB54A (Ch.6290-6350)-TWSR West Side											
Noise Barrier Works											
NB00770	NB54A - backfilling	0%	12	12	30-Aug-16	12-Sep-16	-5				
NB00780	NB54A - NB production	68.89%	14	45	20-May-16 A	03-Jul-16	1026				
NB00790	NB54A - NB post & panel installation	0%	5	5	13-Sep-16	19-Sep-16	770				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10680	Watermain installation (along NB54A)	63.64%	16	44	14-Mar-16 A	08-Jul-16	9				
TSZ10690	Firemain installation (along NB54A)	0%	30	30	09-Jul-16	12-Aug-16	9				
Underground Utility Works											
UUZ20170	Utility cable laying by Utility companies (Along NB54A, 0-60m)	0%	60	60	20-Jun-16	29-Aug-16	-164				
NB57 (Ch.6365-6445)-TWSR West Side											
Noise Barrier Works											
NB00850	NB57 - NB production	68.89%	14	45	20-May-16 A	03-Jul-16	1026				
NB00860	NB57 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	831				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10730	Watermain installation (along NB57)	0%	27	27	20-Jun-16	21-Jul-16	-2				
TSZ10740	Firemain installation (along NB57)	0%	30	30	22-Jul-16	25-Aug-16	-2				
TSZ10990	Backfilling for UU and Firemain & Watermain	0%	12	12	26-Aug-16	08-Sep-16	-2				
Underground Utility Works											
UUZ20180	Utility cable laying by Utility companies (Along NB57, 0-80m)	55.88%	30	68	26-Feb-16 A	25-Jul-16	-134				
NB58 (Ch.6445-6480)-TWSR West Side											
Noise Barrier Works											
NB00910	NB58 - backfilling	0%	12	12	01-Aug-16	13-Aug-16	-55				
NB00920	NB58 - NB production	0%	45	45	20-May-16 A	03-Aug-16	995				
NB00930	NB58 - NB post & panel installation	0%	5	5	15-Aug-16	19-Aug-16	795				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10780	Watermain installation (along NB58)	0%	40	40	20-Jun-16	05-Aug-16	2				
TSZ10790	Firemain installation (along NB58)	0%	40	40	20-Jun-16	05-Aug-16	2				
TSZ11010	Backfilling	0%	12	12	30-Jul-16	12-Aug-16	2				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				
								Jun	Jul	Aug	Sep	
Underground Utility Works												
UUZ20190	Utility cable laying by Utility companies (Along NB58, 0-45m)	0%	35	12	16-May-16 A	30-Jul-16	-139					
NB59 (Ch.6490-6590)-TWSR West Side												
Noise Barrier Works												
NB00980	NB59 - backfilling	0%	12	12	03-Aug-16	16-Aug-16	18					
NB00990	NB59 - NB production	0%	45	45	20-May-16 A	03-Aug-16	984					
NB01000	NB59 - NB post & panel installation	0%	12	12	17-Aug-16	30-Aug-16	786					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10830	Watermain installation (along NB59)	18.42%	31	38	11-Apr-16 A	26-Jul-16	24					
TSZ10840	Firemain installation (along NB59)	0%	37	30	20-May-16 A	02-Aug-16	18					
Underground Utility Works												
UUZ20200	Utility cable laying by Utility companies (Along NB59, 0-95m)	82.02%	16	89	29-Jan-16 A	08-Jul-16	-120					
NB63 (Ch.6610-6700)-TWSR West Side												
Noise Barrier Works												
NB01050	NB63 - NB post & panel installation	0%	5	5	20-Jun-16	24-Jun-16	842					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10340	Firemain installation (along NB63)	0%	30	30	20-Jun-16	25-Jul-16	37					
DSD Southern Trunk Sewer - Trenchless Construction												
TSZ11020	Watermain & Firemain installation above Trunk Sewer	90.48%	10	105	14-Dec-15 A	30-Jun-16	8					
TSZ11025	Town gas pipe laying (change of design)	0%	20	20	02-Jul-16	25-Jul-16	8					
Underground Utility Works												
UUZ20230	Utility cable laying by Utility companies (Along NB63-100m)	95.52%	16	357	29-Jan-15 A	08-Jul-16	-120					
Bridge Construction												
New Tai Hang Footbridge												
General												
THBF0340	Structure steel procurement (THFB)	72.37%	92	333	22-Sep-15 A	19-Sep-16	16					
TWSR-West/ FL Highway N/B Side Section												
THBF0140	THP5 - Pile cap, Pier and Pier Head	75.12%	52	209	31-Oct-15 A	19-Aug-16	158					
THBF0180	THP8, THP9 - Pile cap, Pier and Pier Head	82.72%	52	301	13-Jul-15 A	19-Aug-16	218					
THBF0220	THAB3 - pile cap & abutment wall	0%	69	69	14-Jul-16	04-Oct-16	1					
THBF0270	THP6, THP7 - Pile cap, Pier and Pier Head	44.44%	40	72	01-Feb-16 A	21-Nov-16	1					
TWSR-East FL Highway S/B Side Section												
THBF0470	THAB1 - pile cap & abutment wall	0%	30	30	20-Jun-16 A	25-Jul-16	115					
THBF0480	THAB1 - Backfilling (~3m)	0%	20	20	26-Jul-16	17-Aug-16	115					
THBF0520	THP2 - Pile cap, Pier and Pier Head	0%	45	45	18-Aug-16	12-Oct-16	115					
THBF0730	THP3 - Pile cap, Pier and Pier Head	0%	45	45	20-Jun-16	11-Aug-16	165					
THBF0770	THP4 - Pile cap, Pier and Pier Head	0%	45	45	20-Jun-16	11-Aug-16	135					
THBF0780	Modified existing column head of existing footbridge	0%	30	30	12-Aug-16	15-Sep-16	135					
Lift at TWSR-W Side												
L1500	Temp work & Pile cap	55.56%	20	45	15-Jun-16 A	13-Jul-16	1					
L1510	Lift pit (NF115)	0%	30	30	14-Jul-16	17-Aug-16	78					
L1520	Lift shaft & roof	0%	52	52	18-Aug-16	20-Oct-16	78					
L1556	Lift contractor sub-letting	94.38%	10	178	21-Sep-15 A	30-Jun-16	2					
L1557	Lift submission & ordering period	0%	240	240	02-Jul-16	27-Apr-17	2					
L1600	CLP Power available (by CLP)	0%	365	365	20-Jun-16	19-Jun-17	36					
Lift at FLHY S/B												
L1345	THB (E) - Pre-bored H pile - NF78 (8 nos)	89.13%	10	92	31-Dec-15 A	30-Jun-16	24					
L1350	Temp work & Pipe cap	0%	40	40	02-Jul-16	17-Aug-16	24					
L1360	Lift pit	0%	30	30	18-Aug-16	22-Sep-16	24					
L1450	CLP Power available (by CLP)	0%	365	365	20-Jun-16	19-Jun-17	38					
New Tai Wo Footbridge												
General												
TWFB1030	Structure steel Shop drawing approval (TWFB)	98.83%	5	426	04-Dec-14 A	24-Jun-16	97					
TWFB1040	Structure steel procurement (TWFB)	82.73%	57	330	22-Aug-15 A	15-Aug-16	66					
TWFB1050	Steel Staircase & Ramp prefabrication (TWFB-TWSR-W)	0%	60	60	16-Aug-16	27-Oct-16	54					
TWFB1090	Steel Bridge prefabrication (TWFB)	0%	60	60	16-Aug-16	27-Oct-16	619					
TWSR-West/ FL Highway N/B Side Section												
TWFB1160	TWP1 - Pile cap, Pier and Pier Head	81.48%	15	81	18-Feb-16 A	07-Jul-16	177					
TWFB1240	TWAB2 - pile cap & abutment wall	0%	30	30	20-Jun-16	25-Jul-16	700					
TWFB1250	TWAB2 - Backfilling (~4m)	0%	27	27	26-Jul-16	25-Aug-16	700					
TWFB1260	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		25-Aug-16	700					25-Aug-16 ♦ Steel Staircase ready
TWFB1300	TWP4, TWP5 - Pile cap, Pier and Pier Head	72.66%	35	128	16-Nov-15 A	30-Jul-16	127					
TWFB1340	TWAB1 - pile cap & abutment wall	82.35%	30	170	22-Oct-15 A	25-Jul-16	112					
TWFB1350	TWAB1 - Backfilling (~3m)	0%	20	20	26-Jul-16	17-Aug-16	112					
TWFB1360	Steel Ramp ready for erection (TWFB-TWSR-W side)	0%	0	0		17-Aug-16	112					17-Aug-16 ♦ Steel Ramp ready for erection
Crossing Fanling Highway Section												
TWFB1410	TWP2 - Predrilling	0%	18	18	22-Aug-16	10-Sep-16	2					
TWFB1420	TWP2 - Pre-bored H pile (6 nos)	0%	18	18	12-Sep-16	04-Oct-16	2					
Lift at TWSR-W Side												
L1670	Lift shaft & roof	0%	52	52	21-Jun-16 A	19-Aug-16	615					
L1680	Structural Laminated glass wall installation	0%	30	30	20-Aug-16	24-Sep-16	662					
L1690	RC Link slab connect to bridge	0%	30	30	20-Aug-16	24-Sep-16	615					
L1720	Lift contractor sub-letting	94.36%	10	177	21-Sep-15 A	30-Jun-16	464					
L1730	Lift submission & ordering period	0%	270	270	02-Jul-16	05-Jun-17	464					

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Jun	Jul	Aug	Sep
L1780	CLP Power available (by CLP)	0%	365	365	20-Jun-16	19-Jun-17	638				
Temporary Tai Wo Footbridge											
Design Works											
TWFB-T1010	Design preparation	97.19%	7	249	20-Jul-15 A	27-Jun-16	63				
TWFB-T1020	Engineer Comment	0%	26	26	28-Jun-16	28-Jul-16	63				
TWFB-T1030	Design amendment	0%	26	26	29-Jul-16	27-Aug-16	63				
TWFB-T1040	Design Available	0%	0	0		27-Aug-16	63				27-Aug-16 ♦ Design Available
Construction Works											
TWFB-T1208	Erect Temp Column & link bridge to existing bridge at FLHY S/B	0%	150	150	29-Aug-16	06-Mar-17	127				
Demolition of Existing Tai Wo Footbridge											
TWSR-West/ FL Highway NB Side Section											
TWFB-T1135	Demolish existing TWFB across TWSR-W	0%	25	25	13-Aug-16	10-Sep-16	2				
TWFB-T1230	Watermain & Firemain at NB58 & backfill	0%	46	46	20-Jun-16	12-Aug-16	2				
TWSR-West Construction											
Drainage & Road Works											
Ch 5880-6125											
RDZ20160	Z2 : New TWSR-West D&R Works (lane 1)	0%	120	120	30-Aug-16	23-Jan-17	-68				
Noise Barrier Along Fanling Highway S/B											
NB51 (Ch.5935-6055)-FH S/B Side											
Noise Barrier Works											
NB02280	NB51 ID1-3 (0-25m) - Footing & Wall Structure	0%	90	90	20-Jun-16	05-Oct-16	369				
NB52 (Ch.6055-6125) -FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02362	Coordinate with MTRC for Precautionary Measure	0%	60	60	19-Sep-16	29-Nov-16	554				
NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02430	Precautionary Measure installation	0%	26	26	20-Jun-16	20-Jul-16	554				
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	21-Jul-16	19-Aug-16	554				
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	20-Aug-16	01-Nov-16	554				
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	03-Aug-16	13-Aug-16	637				
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rias	0%	27	27	15-Aug-16	14-Sep-16	637				
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	15-Sep-16	12-Oct-16	637				
NB02590	NB53 (125-180m) - NB production	68.89%	14	45	20-May-16 A	03-Jul-16	1026				
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	831				
NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02640	NB55 - Footing & Wall Structure	94.58%	24	443	07-Nov-14 A	18-Jul-16	637				
NB02650	NB55- backfilling	0%	50	50	19-Jul-16	14-Sep-16	637				
NB02660	NB55 - NB production	62.26%	40	106	15-Jan-16 A	29-Jul-16	1000				
NB02670	NB55 - NB post & panel installation	0%	5	5	15-Sep-16	21-Sep-16	768				
NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02730	NB56 - NB production	86.67%	14	105	20-Feb-16 A	03-Jul-16	1026				
NB02740	NB56 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	831				
NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02770	NB61 (0-50m) - Sheet piling & Excavation	0%	18	18	20-Jun-16	11-Jul-16	729				
NB02780	NB61 (0-50m) - Footing & Wall Structure	0%	50	50	12-Jul-16	07-Sep-16	729				
NB02790	NB61 (0-50m)- backfilling	0%	50	50	08-Sep-16	08-Nov-16	729				
NB02800	NB61 (0-50m) - NB production	0%	45	45	08-Sep-16	22-Oct-16	915				
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Jun-16	03-Aug-16	995				
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	04-Aug-16	09-Aug-16	804				
NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02920	NB61A (0-50m) - NB production	85.71%	15	105	20-Feb-16 A	04-Jul-16	1025				
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	05-Jul-16	09-Jul-16	830				
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	90.5%	32	337	01-Apr-15 A	27-Jul-16	775				
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	28-Jul-16	19-Aug-16	790				
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	28-Jul-16	10-Sep-16	957				
NB03000	NB61A ID2-3 (50-75m) - NB post & panel installation	0%	5	5	12-Sep-16	17-Sep-16	771				
NB03040	NB61A (75-190m) - NB production	85.71%	15	105	20-Feb-16 A	04-Jul-16	1025				
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	05-Jul-16	09-Jul-16	830				
Other Works											
Site Clearance & Demolition of Existing Structure											
Contract Condition											
MCLT1050	Apply cert for exemption by DLO by Engineer	0%	0	0	20-Jun-16	20-Jun-16	1200				
MCLT1090	New MCLT - finishes works	36%	48	75	20-May-16 A	15-Aug-16	114				
MCLT1100	New MCLT completion	0%	0	0		15-Aug-16	114				15-Aug-16* ♦ New MCLT completion
TCSS Works											
G54											
TCSS1500	Slow lane footing - G54 (NB61)	0%	0	0		20-Jun-16	697				20-Jun-16 ♦ Slow lane footing - G54 (NB61)
South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)											
Noise Barrier Along TWSR-West and Laying New Utilities											
NB63A (Ch.6710-6840)-TWSR West Side											
Noise Barrier Works											
NB01090	NB63A-1 - NB production	68.89%	14	45	20-May-16 A	03-Jul-16	422				
NB01100	NB63A-1 - NB post & panel installation	0%	5	5	04-Jul-16	08-Jul-16	341				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Jun	Jul	Aug	Sep
NB01130	NB63A-2 - backfilling	0%	12	12	18-Jun-16 A	04-Jul-16	-20				
NB01140	NB63A-2 - NB production	68.89%	14	45	20-May-16 A	03-Jul-16	422				
NB01150	NB63A-2 - NB post & panel installation	0%	5	5	05-Jul-16	09-Jul-16	340				
NB01170	NB63A-3 - Footing & Wall Structure (ch24.2-86.9) - 5 bays	72.5%	22	80	18-Jan-16 A	15-Jul-16	1178				
NB01180	NB63A-3 - backfilling	0%	12	12	01-Jun-16 A	04-Jul-16	-20				
NB01190	NB63A-3 - NB production	40%	27	45	03-Jun-16 A	16-Jul-16	409				
NB01200	NB63A-3 - NB post & panel installation	0%	5	5	18-Jul-16	22-Jul-16	329				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10860	DSD Trunk Sewer laying (along NB63A)	51.85%	26	54	14-Mar-16 A	20-Jul-16	12				
TSZ10880	Watermain installation (along NB63A)	0%	30	30	21-Jul-16	24-Aug-16	1114				
TSZ10890	Firemain installation (along NB63A)	0%	30	30	25-Aug-16	29-Sep-16	1114				
Underground Utility Works											
UZZ20210	Utility cable laying by Utility companies (Along NB63A, 125m)	27.08%	35	48	18-Mar-16 A	30-Jul-16	-139				
NB64 & NB64A (Ch.6860-6920)-TWSR West Side											
Noise Barrier Works											
NB001040	NB64 & NB64A -backfilling	0%	12	12	10-Sep-16	24-Sep-16	0				
NB001060	NB64 & NB64A -NB post & panel installation	6.06%	31	33	14-Mar-16 A	26-Jul-16	326				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10910	DSD Trunk Sewer laying (along NB64)	0%	36	18	20-Apr-16 A	01-Aug-16	0				
TSZ10920	Backfill up to NB64 footing level	0%	6	6	02-Aug-16	08-Aug-16	0				
TSZ10930	Watermain installation (along NB64)	0%	30	30	09-Aug-16	12-Sep-16	0				
TSZ10940	Firemain installation (along NB64)	0%	30	30	09-Aug-16	12-Sep-16	0				
Underground Utility Works											
UZZ20220	Utility cable laying by Utility companies (Along NB64, 60m)	45.31%	35	64	29-Feb-16 A	30-Jul-16	-139				
Bridge Construction											
Kau Lung Hang Vehicular Bridge											
Target Milestone											
MS04	Completion of Installation of all Precast Concrete Skins	0%	0	0		30-Jun-16*	0				30-Jun-16* ◆ Completion of Installation of all Precast Concrete Skins
MS05	Completion of Installation of all Parapet Walls and Planter Walls	0%	0	0		14-Jul-16*	2				14-Jul-16* ◆ Completion of Installation of all Parapet Walls and Planter Walls
MS06	Commissioning of Kau Lung Hang Vehicular Bridge to enable	0%	0	0		08-Aug-16*	0				08-Aug-16* ◆ Commissioning of Kau Lung Hang Vehicular Bridge to enable
KLH Bridge - West Ramp											
KLH.1140	West Ramp - Backfilling & Drainage	64.44%	16	45	17-May-16 A	08-Jul-16	0				
KLH.1180	West Ramp - Parapet skin (92nos)	80.39%	10	51	07-Apr-16 A	30-Jun-16	0				
KLH.1240	West Ramp -Parapet Wall & Planter Wall	53.33%	21	45	21-May-16 A	14-Jul-16	0				
KLH.1250	West Ramp - Road Surface work ready to start	0%	0	0	09-Jul-16		0				◆ West Ramp - Road Surface work ready to start
KLH.1260	West Ramp - barrier	0%	21	21	15-Jul-16	08-Aug-16	0				
KLH.1280	West Ramp - Lighting	0%	21	21	15-Jul-16	08-Aug-16	0				
KLH.1290	West Ramp - Planting	0%	21	21	15-Jul-16	08-Aug-16	0				
KLH.1300	West Ramp Complete	0%	0	0		08-Aug-16	0				◆ West Ramp Complete
KLH Bridge - Deck 1											
KLH.3390	Deck 1 - Parapet Wall & Planter Wall	77.78%	10	45	07-May-16 A	30-Jun-16	6				
KLH.3400	Deck 1 - Road Surface work ready to start	0%	0	0	02-Jul-16		6				◆ Deck 1 - Road Surface work ready to start
KLH.3410	Deck 1 - barrier	0%	21	21	02-Jul-16	26-Jul-16	11				
KLH.3420	Deck 1 - Lighting	0%	21	21	02-Jul-16	26-Jul-16	11				
KLH.3430	Deck 1 - Planting	0%	21	21	02-Jul-16	26-Jul-16	11				
KLH.3440	Deck 1 - Complete	0%	0	0		26-Jul-16	11				◆ Deck 1 - Complete
KLH.3630	Pedestrian walkway Roof & Parapet P2 to P3	0%	30	30	20-Jun-16	25-Jul-16	103				
KLH.3640	Pedestrian walkway floor finishes P2 to P3	0%	14	14	26-Jul-16	10-Aug-16	103				
KLH Bridge - Deck 2											
KLH.3140	Parapet wall (P5 to P6)	52.38%	10	21	23-May-16 A	30-Jun-16	6				
KLH.3150	Finished Surface of Road ready for P5-P6	0%	0	0	02-Jul-16		6				◆ Finished Surface of Road ready for P5-P6
KLH.3160	Pedestrian walkway Roof & Parapet P5-P6	0%	30	30	02-Jul-16	05-Aug-16	97				
KLH.3170	Pedestrian walkway floor finishes P5-P6	0%	14	14	02-Aug-16	17-Aug-16	97				
KLH.3260	Pedestrian walkway Roof & Parapet P4 to P5	0%	30	30	20-Jun-16	25-Jul-16	103				
KLH.3270	Pedestrian walkway floor finishes P4 to P5	0%	14	14	26-Jul-16	10-Aug-16	103				
KLH.3340	Parapet wall (P3 to P4)	60%	12	30	18-May-16 A	04-Jul-16	4				
KLH.3350	Finished Surface of Road ready for P3 to P4	0%	0	0	05-Jul-16		4				◆ Finished Surface of Road ready for P3 to P4
KLH.3360	Pedestrian walkway Roof & Parapet P3 to P4	0%	30	30	05-Jul-16	08-Aug-16	91				
KLH.3370	Pedestrian walkway floor finishes P3 to P4	0%	14	14	09-Aug-16	24-Aug-16	91				
KLH Bridge - Deck 3											
KLH.3450	Deck 3 - Parapet skin (61nos)	60%	10	25	26-May-16 A	30-Jun-16	0				
KLH.3460	Deck 3 - Parapet Wall & Planter Wall	39.39%	20	33	03-Jun-16 A	13-Jul-16	1				
KLH.3470	Deck 3 - Road Surface work ready to start	0%	0	0	14-Jul-16		1				◆ Deck 3 - Road Surface work ready to start
KLH.3480	Deck 3 - barrier	0%	21	21	14-Jul-16	06-Aug-16	1				
KLH.3490	Deck 3 - Lighting	0%	21	21	14-Jul-16	06-Aug-16	1				
KLH.3500	Deck 3 - Planting	0%	21	21	14-Jul-16	06-Aug-16	1				
KLH.3510	Deck 3 - Complete	0%	0	0		06-Aug-16	1				◆ Deck 3 - Complete
KLH.3650	Pedestrian walkway Roof & Parapet P6 to P7	0%	30	30	20-Jun-16	25-Jul-16	103				
KLH.3660	Pedestrian walkway floor finishes P6 to P7	0%	14	14	26-Jul-16	10-Aug-16	103				
KLH Bridge - East Ramp											
KLH.3530	East Ramp - Backfilling & Drainage	75%	15	60	09-May-16 A	07-Jul-16	1				
KLH.3550	East Ramp -Parapet Wall & Planter Wall	77.78%	10	45	07-May-16 A	30-Jun-16	13				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				
								Jun	Jul	Aug	Sep	
KLH.3560	East Ramp - Road Surface work ready to start	0%	0	0	08-Jul-16		1					◆ East Ramp - Road Surface work ready to start
KLH.3570	East Ramp - barrier	0%	21	21	08-Jul-16	01-Aug-16	6					
KLH.3580	East Ramp - Lighting	0%	21	21	08-Jul-16	01-Aug-16	6					
KLH.3590	East Ramp - Planting	0%	21	21	08-Jul-16	01-Aug-16	6					
KLH.3600	East Ramp Complete	0%	0	0		01-Aug-16	6					◆ East Ramp Complete
KLH Bridge - Ramp R1												
Z2.KLH.1450	Ramp R1 - Pile caps and pier construction (R1P1)	86.22%	35	254	02-Jul-15 A	30-Jul-16	46					
Z2.KLH.1670	Ramp R1 - Pile caps and pier construction (R1P3)	0%	40	40	20-Jun-16	05-Aug-16	41					
Z2.KLH.1680	Ramp R1 - Ramp construction (Abutment R1 to R1P1)	0%	40	40	01-Aug-16	15-Sep-16	72					
Z2.KLH.1685	Ramp R1 - Ramp construction (R1P1 to P1P3)	0%	40	40	06-Aug-16	22-Sep-16	41					
Z2.KLH.1710	Ramp R1 - Abutment R1 - base slab & wall	91.98%	21	262	22-Jun-15 A	14-Jul-16	66					
Z2.KLH.1720	Ramp R1 - Abutment R1 - Top slab	0%	30	30	15-Jul-16	18-Aug-16	66					
Z2.KLH.1730	Ramp R1 - Abutment R1 - Staircase	0%	30	30	19-Aug-16	23-Sep-16	66					
Z2.KLH.3610	Ramp R1 - Steel roof	0%	40	40	23-Aug-16	11-Oct-16	41					
Z2.KLH.3620	Ramp R1 - finishes work	0%	30	30	19-Sep-16	25-Oct-16	41					
KLH Bridge - Ramp R2												
Z2.KLH.1523	VO 028 - Boundary Wall to Hse 190B structure	0%	24	24	20-Jun-16*	18-Jul-16	797					
Z2.KLH.1524	VO 028 - Boundary Wall to Hse 190B E&M, Drainage	0%	26	26	19-Jul-16	17-Aug-16	797					
Z2.KLH.1530	Ramp R2 - Pile cap, abutment and pier construction	78.23%	32	147	20-Nov-15 A	27-Jul-16	15					
Z2.KLH.1540	Ramp R2 - Ramp construction	0%	60	60	28-Jun-16	06-Sep-16	15					
Z2.KLH.1545	Ramp R2 - Ramp construction (section after VBP6-7 deck)	0%	35	35	07-Sep-16	20-Oct-16	15					
Bridge Road Work												
Z2.KLH.1930	Road Pavement Works (East Ramp)	0%	26	26	08-Jul-16	06-Aug-16	1					
Z2.KLH.1940	Road Pavement Works (Deck 1)	0%	26	26	02-Jul-16	01-Aug-16	6					
Z2.KLH.1950	Road Pavement Works (Deck 2)	0%	26	26	05-Jul-16	03-Aug-16	4					
Z2.KLH.1960	Road Pavement Works (Deck 3)	0%	21	21	14-Jul-16	06-Aug-16	1					
Z2.KLH.1970	Road Pavement Works (West Ramp)	0%	26	26	09-Jul-16	08-Aug-16	0					
Z2.KLH.1980	KLHVB road work complete	0%	0	0		08-Aug-16	0					◆ KLHVB road work complete
Z2.KLH.2020	Completion of Stage S1 of works (KD11)	0%	0	0		08-Aug-16	0					◆ Completion of Stage S1 of works (KD11)
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	09-Aug-16	31-Dec-16	685					
Lift at TWSR-W Side												
L01000	KLHVB completed	0%	0	0	09-Aug-16		74					◆ KLHVB completed
L01010	Demolish Temp NWP ramp	0%	26	26	09-Aug-16	07-Sep-16	74					
L01015	Pre-bored H Piling Rig mobilisation & set up period	0%	18	18	08-Sep-16	29-Sep-16	74					
L01093	Lift contractor sub-letting	95.45%	10	220	10-Aug-15 A	30-Jun-16	47					
L01094	Lift submission & ordering period	0%	270	270	02-Jul-16	05-Jun-17	47					
L01140	CLP Power available (by CLP)	19.95%	305	381	04-Apr-16 A	20-Apr-17	186					
Lift at FLHY S/B												
L01180	Earliest date for lift construction resume	0%	0	0	05-Aug-16		35					◆ Earliest date for lift construction resume
L01190	Set up & Pile test	0%	45	45	05-Aug-16	27-Sep-16	35					
L01300	CLP Power available (by CLP)	16.44%	305	365	04-Apr-16 A	20-Apr-17	189					
Demolition of Existing Nam Wa Po Footbridge												
Demolition Work												
Z2.NWP.1060	Temporary support installation at existing Fanling Highway	0%	65	65	08-Sep-16	25-Nov-16	15					
Noise Barrier Along Fanling Highway S/B												
NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&P Area)												
Noise Barrier Works												
NB03080	NB62 (0-80m) - Sheet piling & Excavation	0%	18	18	26-Jul-16	15-Aug-16	11					
NB03090	NB62 (0-80m) - Footing & Wall Structure	0%	45	45	16-Aug-16	08-Oct-16	11					
NB03130	NB62 (80-110m) Under bridge - Sheet piling & Excavation	0%	12	12	12-Jul-16	25-Jul-16	11					
NB03140	NB62 (80-110m) Under bridge - Footing & Wall Structure	0%	25	25	26-Jul-16	23-Aug-16	55					
NB03150	NB62 (80-110m) Under bridge - backfilling	0%	14	14	24-Aug-16	08-Sep-16	55					
NB03160	NB62 (80-110m) Under bridge - NB production	0%	45	45	24-Aug-16	07-Oct-16	930					
NB03180	NB62 (110-170m) - Sheet piling & Excavation	0%	18	18	20-Jun-16	11-Jul-16	11					
NB03190	NB62 (110-170m) - Footing & Wall Structure	0%	60	60	12-Jul-16	20-Sep-16	26					
NB70 (Ch.6910-6930)-FH S/B Side												
Noise Barrier Works												
NB03260	NB70 - Footing & Wall Structure	0%	26	26	11-Jun-16 A	20-Jul-16	86					
NB03270	NB70- backfilling	0%	12	12	21-Jul-16	03-Aug-16	86					
NB03280	NB70 - NB production	0%	45	45	21-Jul-16	03-Sep-16	964					
NB03290	NB70- NB post & panel installation	0%	5	5	05-Sep-16	09-Sep-16	777					
North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)												
Bridge Construction												
New Ho Ka Yuen Footbridge												
General												
HKY1060	Steel Staircase & Ramp prefabrication (HKYB-TWSR-W)	22.22%	35	45	01-Apr-16 A	30-Jul-16	-51					
HKY1070	Steel Staircase & Ramp available on site (HKYB-TWSR-W side)	0%	0	0	01-Aug-16		-51					◆ Steel Staircase & Ramp available on site (HKYB-TWSR-W side)
TWSR-West/ FL Highway N/B Side Section												
HKY1170	HKYP6 - Pile cap, Pier and Pier Head	10%	54	60	13-Jun-16 A	22-Aug-16	-70					
HKY1250	HKYAB3 - pile cap & abutment wall	0%	30	30	23-Aug-16	27-Sep-16	753					
HKY1350	HKYAB4 - pile cap & abutment wall	85.45%	8	55	21-Mar-16 A	28-Jun-16	-36					
HKY1360	HKYAB4 - Backfilling (~3m)	0%	12	12	29-Jun-16	13-Jul-16	-36					
HKY1370	Steel Ramp ready for erection (HKY-TWSR-W side)	0%	0	0		22-Aug-16	-70					◆ Steel Ramp ready for erection

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				
								Jun	Jul	Aug	Sep	
HKY1390	Erect Ramp (HKY-TWSR-W)	0%	26	26	23-Aug-16	22-Sep-16	-70					
HKY1400	Finishes Work	0%	26	26	08-Sep-16	11-Oct-16	-70					
Crossing Fanling Highway Section												
HKY1416	TTA Stage 4 start	0%	0	0	19-Jul-16		1176					
HKY1460	Erect HKY bridge Structure across fanling highway	0%	12	12	23-Aug-16	05-Sep-16	-54					
HKY1470	Finishes Work	0%	12	12	06-Sep-16	20-Sep-16	-54					
TWSR-East FL Highway S/B Side Section												
HKY1600	Finishes Work	0%	30	30	20-Jun-16	25-Jul-16	-6					
HKY1610	Bridge Structure complete (HKYFB-TWSR-E side)	0%	0	0		02-Aug-16	-13					
HKY1860	Erect Steel Ramp (HKYFB-TWSR-E side)	91.14%	7	79	20-Feb-16 A	27-Jun-16	-13					
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	0%	30	30	28-Jun-16	02-Aug-16	-13					
Demolition of Existing Ho Ka Yuen Footbridge												
Crossing Fanling Highway Section												
HKY1680	Erect Temp platform for bridge demolition	0%	52	52	09-Aug-16	11-Oct-16	-66					
ZONE 4 (Ch. 7925 to 8700)												
Noise Barrier Along Fanling Highway N/B NB77 (Ch.8090-8450)-FH N/B Side												
Noise Barrier Works												
NB4285	TTA for FH N/B (Stage 6) start	0%	0	0	17-Aug-16		22					
NB4290	NB77 -Pre-drilling (Ch8090-8190)	0%	24	24	24-Aug-16	21-Sep-16	16					
NB4350	NB77 -Pre-drilling (Ch8190-8290)	0%	108	108	24-Aug-16	03-Jan-17	10					
Bridge Construction												
New Wo Hop Shek Pedstrian & Cycle Bridge												
TWSR-West/ FL Highway N/B Side Section												
WHS1930	WHSP4 - Pile cap, Pier and Pier Head	92.16%	21	268	02-Jul-15 A	14-Jul-16	11					
WHS1980	1st half Steel Ramp ready for erection (WHS-TWSR-W side)	0%	0	0		14-Jul-16	11					
WHS1990	Erect 1st half ramp	40%	36	60	10-May-16 A	01-Aug-16	10					
WHS2000	Erect temp pedestrian ramp besides 1st half ramp	0%	45	45	02-Aug-16	23-Sep-16	10					
WHS2010	Erect temp access between existing bridge to 1st half ramp	0%	45	45	02-Aug-16	23-Sep-16	10					
Crossing Fanling Highway Section												
WHS1490	Finishes Work	0%	30	30	20-Jun-16	25-Jul-16	61					
WHS1500	Bridge Structure complete (WHSB-Cross fanling highway)	0%	0	0		25-Jul-16	61					
Demolition of Existing Wo Hop Shek Pedstrian & Cycle Bridge												
Crossing Fanling Highway Section												
WHS1790	Erect Temp platform for bridge demolition	0%	60	60	16-Jul-16	24-Sep-16	491					
Slip Road Y Construction												
Drainage & Road Works												
TWSR-East FL Highway S/B Side Section												
RDZ41020	Construct Slip Rd Y @ existing TWSR-E junction	87.14%	18	140	01-Dec-15 A	11-Jul-16	7					
Underground Utility Works												
DN600 and DN900 Watermain												
DN1056	Laying DN600 section after DN900 changeover Works	91.11%	8	90	01-Feb-16 A	28-Jun-16	14					
DN1060	Watermain (DN600) changeover for TTA stage 4	0%	6	6	29-Jun-16	06-Jul-16	14					
VO - Wall 76A Construction												
Retaining Wall W76A												
TWSR-East FL Highway S/B Side Section												
W76A1050	Drainage work for Caltex access road	0%	150	150	20-Jun-16	15-Dec-16	579					
Fanling Highway Construction												
Drainage & Road Works												
TWSR-East FL Highway S/B Side Section												
RDZ41025	Construct FH S/B Lane 1,2 @ existing TWSR-E junction	85.6%	18	125	18-Dec-15 A	11-Jul-16	10					
RDZ41050	Traffic Diversion for FH S/B road construction (Z4 TTA-Stage 4)	0%	6	6	12-Jul-16	18-Jul-16	10					
RDZ41090	Remove FH central barrier	0%	25	25	19-Jul-16	16-Aug-16	10					
RDZ41100	TTA for FH N/B Lane 1, 2, 3 construction (Ch7925-8600)(SA340)	0%	6	6	17-Aug-16	23-Aug-16	10					
RDZ41114	Construct FH N/B Lane 3 (Ch7925-8600)	0%	68	68	24-Aug-16	14-Nov-16	221					
Other Works												
Retaining Wall W77B												
TWSR-East FL Highway S/B Side Section												
RWZ4.1100	Base slab & Wall (0-3m high)-RW77B (Ch 0-40)	39.8%	59	98	01-Mar-16 A	27-Aug-16	118					
RWZ4.1110	Backfilling (0-3m) - RW77B (Ch 0-40)	0%	30	30	29-Aug-16	04-Oct-16	148					
TCSS Works												
TCSS Pre-Construction Works												
TCSS0120	Prepare Shop Drawing-TCSS	0%	45	45	20-Jun-16	11-Aug-16	228					
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	12-Aug-16	01-Sep-16	288					
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	02-Sep-16	23-Sep-16	227					
G35												
TCSS1550	Slip road island footing - G35 (CH8410, N/B)	0%	30	30	24-Aug-16	28-Sep-16	432					
FVMS2 (Deleted by RFI-138, Pending for VO)												
TCSS1640	Slow lane footing - FVMS2 (CH8400, S/B)- Deleted by RFI-138	0%	30	30	19-Jul-16	22-Aug-16	583					

**CONSTRUCTION PROGRAMME OF
JULY 2016**

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				
								Jul	Aug	Sep	Oct	
Contract Condition												
General												
Contract Condition												
KD11	KD-11(1061d)- S1: Achievement: Kau Lung Hang Veh. Bridge &	0%	0	0		06-Aug-16	2					06-Aug-16* ◆ KD-11(1061d)- S1: Achievement: Kau Lung Hang Veh. Bridge & Er
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Jul-16		1450					◆ Site Area SA323A (360d) (not required)
POSSA327	Site Area SA327 (180d)	0%	0	0	20-Jul-16*		-566					◆ Site Area SA327 (180d)
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-Jul-16*		-368					◆ Site Area SA327A (730d)
POSSA345	Site Area SA345 (0d)	0%	0	0	20-Jul-16*		-233					◆ Site Area SA345 (0d)
ZONE 1 (Ch. 5640 to 5880)												
Noise Barrier Along TWSR-West and Laying New Utilities												
DSD Southern Trunk Sewer, Water Main, Fire Main Works												
DSD Southern Trunk Sewer, Water Main Fire Main Works												
DSD0090	DSD Truck Sewer Laying complete	0%	0	0	18-Aug-16		8					◆ DSD Truck Sewer Laying complete
DSD0100	DSD Trunk Sewer Laying - overall testing (Zone 1 & Zone 2)	0%	45	45	18-Aug-16	12-Oct-16	8					
DSD0110	DSD Trunk Sewer Laying - overall inspection	0%	30	30	13-Oct-16	16-Nov-16	8					
NB42 (Ch.5640-5740)-TWSR West Side												
Noise Barrier Works												
NB00115	NB42 (Ch5640-5740) - Backfilling	0%	12	12	24-Aug-16	06-Sep-16	-30					
NB00131	NB42 (Ch5640-5740) - NB panel installation	0%	5	5	20-Jul-16	25-Jul-16	837					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10140	Firemain installation (along NB42)	0%	30	30	20-Jul-16	23-Aug-16	-30					
NB42A (Ch.5750-5810)-TWSR West Side												
Noise Barrier Works												
NB00210	NB42A (Ch5750-5810) - NB post & panel installation	67.92%	17	53	06-May-16 A	08-Aug-16	825					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10190	Firemain installation (along NB42A)	0%	20	20	20-Jul-16	11-Aug-16	-53					
NB47B (Ch.5820-5880)-TWSR West Side												
Noise Barrier Works												
NB00250	NB47B (Ch5820-5880) - NB post & panel installation	0%	34	15	20-Jun-16 A	27-Aug-16	808					
Underground Utility Works												
UZZ10121	Utility cable laying by Utility companies (along bay 311A)	71.76%	37	131	13-Jan-16 A	31-Aug-16	-166					
UZZ10130	Z1 Utility work complete is ready for energization	0%	0	0		31-Aug-16	-166					31-Aug-16 ◆ Z1 Utility work complete is ready for energiz
Noise Barrier Along Fanling Highway N/B												
Site Clearance & Demolition of Existing Structure												
Underground Utility Works												
ADVZ20175	All UU and backfill along TWSR-W complete	0%	0	0		28-Sep-16	-111					28-Sep-16 ◆ All UU and backfil
ADVZ20180	Utility cable changeover period (NWT)	0%	184	184	29-Sep-16	31-Mar-17	-150					
ADVZ20182	Additional Utility cable changeover period (PCCW, HCG)	0%	274	274	29-Sep-16	29-Jun-17	-240					
TWSR-West Construction												
Drainage & Road Works												
Ch 5640-5880												
RDZ10090	Z1: New Tai Wo Service Road West - Drainage & Road works (2 lanes)	0%	176	176	29-Sep-16	12-May-17	-70					
Noise Barrier Along Fanling Highway S/B												
NB44 (Ch.5700-5760)-FH S/B Side												
Noise Barrier Works												
NB01390	NB44 - NB production	0%	45	45	20-Jul-16	02-Sep-16	990					
NB01400	NB44 - NB post & panel installation	0%	5	5	03-Sep-16	08-Sep-16	798					
NB45 (Ch.5760-5820)-FH S/B Side												
Noise Barrier Works												
NB01440	NB45 - NB production	68.89%	14	45	20-May-16 A	02-Aug-16	1021					
NB01450	NB45 - NB post & panel installation	0%	5	5	03-Aug-16	08-Aug-16	825					
NB46 (Ch.5820-5880)-FH S/B Side												
Noise Barrier Works												
NB01490	NB46 - NB production	68.89%	14	45	20-May-16 A	02-Aug-16	1021					
NB01500	NB46 - NB post & panel installation	0%	5	5	03-Aug-16	08-Aug-16	825					
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.1250	Construction of proposed SHRINE	0%	165	165	20-Jul-16	11-Feb-17	657					
NB47 (Ch.5880-5930)-TWSR West Side												
Noise Barrier Works												
NB00290	NB47 (Ch5880-5930)- NB post & panel installation	0%	5	5	20-Jul-16	25-Jul-16	817					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10290	Firemain installation (along NB47)	0%	26	26	20-Jul-16	18-Aug-16	1149					
NB47A (Ch.5950-5975)-TWSR West Side												
Noise Barrier Works												
NB00350	NB47A - NB post & panel installation	0%	5	5	20-Jul-16	25-Jul-16	817					
Underground Utility Works												
UZZ20110	Utility cable laying by Utility companies (Along NB47A)	72.52%	36	131	13-Jan-16 A	30-Aug-16	-165					
UZZ20240	Utility cable laying by Utility companies (Along NB47A-above	72.52%	36	131	13-Jan-16 A	30-Aug-16	-165					
NB48 (Ch.5995-6120)-TWSR West Side												

	Project ID: WP Rev 03 (1607)	Contract No. HY/2012/06 Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange 3 Month Rolling Program(20-Jul-16)		Date	Revision	C...	A
	Layout: 3 Month Rolling Program			13-May-14	WP Rev 1		
	Page 1 of 7			30-Jun-14	WP Rev 1A		
				28-Aug-15	WP Rev 2		
	07-Apr-16	WP Rev 3					

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				
								Jul	Aug	Sep	Oct	
Noise Barrier Works												
NB00390	NB48 (Ch5995-6060) - backfilling	0%	12	12	08-Sep-16	22-Sep-16	-58					
NB00410	NB48 (Ch5995-6060) - NB post & panel installation	0%	5	5	23-Sep-16	28-Sep-16	762					
NB00450	NB48 (Ch6060-6120) - backfilling	0%	12	12	07-Sep-16	21-Sep-16	-57					
NB00470	NB48 (Ch6060-6120) - NB post & panel installation	0%	5	5	22-Sep-16	27-Sep-16	763					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10440	Firemain installation (along NB48, 0-60m)	0%	30	30	20-Jun-16 A	23-Aug-16	-45					
TSZ10490	Firemain installation (along NB48, 60-110m)	0%	26	26	20-Jun-16 A	18-Aug-16	-41					
Underground Utility Works												
UUZ20120	Utility cable laying by Utility companies (Along NB48, 0-60m)	72.61%	43	157	21-Jan-16 A	07-Sep-16	-172					
UUZ20130	Utility cable laying by Utility companies (Along NB48, 60-110m)	70.63%	42	143	05-Feb-16 A	06-Sep-16	-171					
NB49 (Ch.6145-6215)-TWSR West Side												
Noise Barrier Works												
NB00520	NB49 - backfilling	0%	12	12	24-Aug-16	06-Sep-16	-15					
NB00530	NB49 - NB production	57.94%	23	54	20-May-16 A	11-Aug-16	988					
NB00540	NB49 - NB post & panel installation	0%	5	5	07-Sep-16	12-Sep-16	775					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10530	Watermain installation (along NB49)	60%	10	25	01-Jun-16 A	30-Jul-16	-15					
TSZ10540	Firemain installation (along NB49)	0%	20	20	01-Aug-16	23-Aug-16	-15					
Underground Utility Works												
UUZ20140	Utility cable laying by Utility companies (Along NB49, 0-70m)	82.4%	22	125	03-Feb-16 A	13-Aug-16	-151					
NB49B (Ch.6215-6235)-TWSR West Side												
Noise Barrier Works												
NB00590	NB49B - NB production	68.89%	14	45	20-May-16 A	02-Aug-16	996					
NB00600	NB49B - NB post & panel installation	0%	5	5	03-Aug-16	08-Aug-16	805					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10570	DSD Trunk Sewer laying (along NB49B - ID2-1)	61.76%	13	34	01-Jun-16 A	03-Aug-16	4					
TSZ10580	Watermain installation (along NB49B)	0%	20	20	04-Aug-16	26-Aug-16	4					
TSZ10590	Firemain installation (along NB49B)	0%	20	20	27-Aug-16	20-Sep-16	4					
Underground Utility Works												
UUZ20150	Utility cable laying by Utility companies (Along NB49B, 0-16m)	25.81%	23	31	10-Jun-16 A	15-Aug-16	-152					
NB54 (Ch.6240-6280)-TWSR West Side												
Noise Barrier Works												
NB00720	NB54 - NB post & panel installation	0%	5	5	20-Jul-16	25-Jul-16	817					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10630	Watermain installation (along NB54)	46.3%	29	54	20-May-16 A	22-Aug-16	-2					
TSZ10640	Firemain installation (along NB54)	0%	30	30	23-Aug-16	27-Sep-16	-2					
Underground Utility Works												
UUZ20160	Utility cable laying by Utility companies (Along NB54, 0-40m)	80.28%	28	142	21-Jan-16 A	20-Aug-16	-157					
NB54A (Ch.6290-6350)-TWSR West Side												
Noise Barrier Works												
NB00770	NB54A - backfilling	0%	12	12	29-Sep-16	14-Oct-16	-30					
NB00780	NB54A - NB production	68.89%	14	45	20-May-16 A	02-Aug-16	996					
NB00790	NB54A - NB post & panel installation	0%	5	5	15-Oct-16	20-Oct-16	745					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10680	Watermain installation (along NB54A)	82.8%	16	93	14-Mar-16 A	06-Aug-16	-16					
TSZ10690	Firemain installation (along NB54A)	0%	30	30	08-Aug-16	10-Sep-16	-16					
Underground Utility Works												
UUZ20170	Utility cable laying by Utility companies (Along NB54A, 0-60m)	0%	60	60	05-Jul-16 A	28-Sep-16	-189					
NB57 (Ch.6365-6445)-TWSR West Side												
Noise Barrier Works												
NB00860	NB57 - NB post & panel installation	0%	5	5	20-Jul-16	25-Jul-16	817					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10730	Watermain installation (along NB57)	0%	27	27	20-Jul-16	19-Aug-16	-27					
TSZ10740	Firemain installation (along NB57)	0%	30	30	20-Aug-16	24-Sep-16	-27					
TSZ10990	Backfilling for UU and Firemain & Watermain	0%	12	12	26-Sep-16	11-Oct-16	-27					
Underground Utility Works												
UUZ20180	Utility cable laying by Utility companies (Along NB57, 0-80m)	75.21%	30	121	26-Feb-16 A	23-Aug-16	-159					
NB58 (Ch.6445-6480)-TWSR West Side												
Noise Barrier Works												
NB00910	NB58 - backfilling	0%	12	12	30-Aug-16	12-Sep-16	-80					
NB00920	NB58 - NB production	40.79%	45	76	20-May-16 A	02-Sep-16	965					
NB00930	NB58 - NB post & panel installation	0%	5	5	13-Sep-16	19-Sep-16	770					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10780	Watermain installation (along NB58)	0%	40	40	20-Jul-16	03-Sep-16	-8					
TSZ10790	Firemain installation (along NB58)	0%	40	40	20-Jul-16	03-Sep-16	-8					
TSZ11010	Backfilling	0%	12	12	29-Aug-16	10-Sep-16	-8					
Underground Utility Works												
UUZ20190	Utility cable laying by Utility companies (Along NB58, 0-45m)	45.31%	35	64	16-May-16 A	29-Aug-16	-164					
NB59 (Ch.6490-6590)-TWSR West Side												
Noise Barrier Works												
NB00980	NB59 - backfilling	0%	12	12	01-Sep-16	14-Sep-16	-7					
NB00990	NB59 - NB production	80.26%	15	76	20-May-16 A	03-Aug-16	984					
NB01000	NB59 - NB post & panel installation	0%	12	12	15-Sep-16	29-Sep-16	761					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10830	Watermain installation (along NB59)	64.77%	31	88	11-Apr-16 A	24-Aug-16	-1					

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Jul	Aug	Sep	Oct
TSZ10840	Firemain installation (along NB59)	40.32%	37	62	20-May-16 A	31-Aug-16	-7				
Underground Utility Works											
UUZ20200	Utility cable laying by Utility companies (Along NB59, 0-95m)	86.18%	17	123	29-Jan-16 A	08-Aug-16	-146				
NB63 (Ch.6610-6700)-TWSR West Side											
Noise Barrier Works											
NB01050	NB63 - NB post & panel installation	0%	5	5	20-Jul-16	25-Jul-16	817				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10340	Firemain installation (along NB63)	83.33%	5	30	20-Jun-16 A	25-Jul-16	37				
DSD Southern Trunk Sewer - Trenchless Construction											
TSZ11025	Town gas pipe laying (change of design)	0%	20	20	20-Jul-16	11-Aug-16	13				
Underground Utility Works											
UUZ20230	Utility cable laying by Utility companies (Along NB63-100m)	96.15%	16	416	29-Jan-15 A	06-Aug-16	-145				
Bridge Construction											
New Tai Hang Footbridge											
General											
THBF0350	Steel Staircase & Ramp prefabrication (THFB-TWSR-W)	0%	90	90	20-Jul-16	04-Nov-16	95				
THBF0370	Steel Staircase & Bridge prefabrication (THFB-TWSR-E side)	0%	90	90	20-Jul-16	04-Nov-16	95				
THBF0390	Steel Bridge prefabrication (THFB)	0%	50	50	20-Jul-16	15-Sep-16	135				
THBF0400	Steel Bridge available on site (THFB)	0%	0	0	17-Sep-16		135				◆ Steel Bridge available on site
TWSR-West/ FL Highway N/B Side Section											
THBF0140	THP5 - Pile cap, Pier and Pier Head	77.68%	52	233	31-Oct-15 A	16-Nov-16	85				
THBF0180	THP8, THP9 - Pile cap, Pier and Pier Head	84%	52	325	13-Jul-15 A	16-Nov-16	35				
THBF0220	THAB3 - pile cap & abutment wall	27.54%	50	69	15-Jul-16 A	15-Sep-16	35				
THBF0230	THAB3 - Backfilling (~4m)	0%	27	27	17-Sep-16	20-Oct-16	168				
THBF0270	THP6, THP7 - Pile cap, Pier and Pier Head	82.91%	40	234	01-Feb-16 A	17-Jan-17	35				
Crossing Fanling Highway Section											
THBF0530	THP1 - Predrilling	0%	12	12	23-Sep-16	07-Oct-16	46				
TWSR-East FL Highway S/B Side Section											
THBF0470	THAB1 - pile cap & abutment wall	0%	30	30	20-Jul-16	23-Aug-16	90				
THBF0480	THAB1 - Backfilling (~3m)	0%	20	20	24-Aug-16	15-Sep-16	90				
THBF0520	THP2 - Pile cap, Pier and Pier Head	0%	45	45	17-Sep-16	10-Nov-16	90				
THBF0730	THP3 - Pile cap, Pier and Pier Head	0%	45	45	10-Sep-16	04-Nov-16	95				
THBF0770	THP4 - Pile cap, Pier and Pier Head	0%	45	45	20-Jul-16	09-Sep-16	95				
Lift at TWSR-W Side											
L1510	Lift pit (NF115)	70%	9	30	09-Jul-16 A	29-Jul-16	94				
L1520	Lift shaft & roof	0%	52	52	30-Jul-16	29-Sep-16	94				
L1530	Structural Laminated glass wall installation	0%	30	30	30-Sep-16	05-Nov-16	136				
L1540	RC Platform connect to bridge	0%	30	30	30-Sep-16	05-Nov-16	94				
L1557	Lift submission & ordering period	6.25%	225	240	02-Jul-16 A	27-Apr-17	2				
L1600	CLP Power available (by CLP)	0%	365	365	20-Jul-16	19-Jul-17	6				
Lift at FLHY S/B											
L1350	Temp work & Pipe cap	62.5%	15	40	20-Jun-16 A	05-Aug-16	34				
L1360	Lift pit	0%	30	30	06-Aug-16	09-Sep-16	34				
L1370	Lift shaft & roof	0%	90	90	10-Sep-16	29-Dec-16	34				
L1450	CLP Power available (by CLP)	0%	365	365	20-Jul-16	19-Jul-17	8				
New Tai Wo Footbridge											
General											
TWFB1040	Structure steel procurement (TWFB)	92.78%	26	360	22-Aug-15 A	14-Aug-16	67				
TWFB1050	Steel Staircase & Ramp prefabrication (TWFB-TWSR-W)	0%	60	60	15-Aug-16	26-Oct-16	55				
TWFB1090	Steel Bridge prefabrication (TWFB)	0%	60	60	15-Aug-16	26-Oct-16	620				
TWSR-West/ FL Highway N/B Side Section											
TWFB1160	TWP1 - Pile cap, Pier and Pier Head	86.73%	15	113	18-Feb-16 A	05-Aug-16	152				
TWFB1240	TWAB2 - pile cap & abutment wall	0%	30	30	20-Jul-16	23-Aug-16	675				
TWFB1250	TWAB2 - Backfilling (~4m)	0%	27	27	24-Aug-16	24-Sep-16	675				
TWFB1260	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		24-Sep-16	675				24-Sep-16 ◆ Steel Staircase ready
TWFB1300	TWP4, TWP5 - Pile cap, Pier and Pier Head	82.76%	35	203	16-Nov-15 A	29-Aug-16	102				
TWFB1340	TWAB1 - pile cap & abutment wall	86.3%	30	219	22-Oct-15 A	23-Aug-16	87				
TWFB1350	TWAB1 - Backfilling (~3m)	0%	20	20	24-Aug-16	15-Sep-16	87				
TWFB1360	Steel Ramp ready for erection (TWFB-TWSR-W side)	0%	0	0		15-Sep-16	87				15-Sep-16 ◆ Steel Ramp ready for erection
Crossing Fanling Highway Section											
TWFB1410	TWP2 - Predrilling	0%	18	18	10-Sep-16	03-Oct-16	0				
TWFB1420	TWP2 - Pre-bored H pile (6 nos)	0%	18	18	04-Oct-16*	25-Oct-16	0				
Lift at TWSR-W Side											
L1670	Lift shaft & roof	0%	52	51	21-Jun-16 A	19-Sep-16	590				
L1680	Structural Laminated glass wall installation	0%	30	30	20-Sep-16	26-Oct-16	637				
L1690	RC Link slab connect to bridge	0%	30	30	20-Sep-16	26-Oct-16	590				
L1730	Lift submission & ordering period	5.56%	255	270	02-Jul-16 A	05-Jun-17	464				
L1780	CLP Power available (by CLP)	0%	365	365	20-Jul-16	19-Jul-17	608				
Temporary Tai Wo Footbridge											
Design Works											
TWFB-T1020	Engineer Comment	0%	26	26	28-Jun-16 A	18-Aug-16	45				
TWFB-T1030	Design amendment	0%	26	26	19-Aug-16	19-Sep-16	45				
TWFB-T1040	Design Available	0%	0	0		19-Sep-16	45				19-Sep-16 ◆ Design Available
Construction Works											

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Jul	Aug	Sep	Oct
TWFB-T1208	Erect Temp Column & link bridge to existing bridge at FLHY S/B	0%	150	150	20-Sep-16	27-Mar-17	109				
Demolition of Existing Tai Wo Footbridge											
TWSR-West/ FL Highway NB Side Section											
TWFB-T1135	Demolish existing TWFB across TWSR-W	0%	25	25	12-Sep-16	13-Oct-16	-8				
TWFB-T1230	Watermain & Firemain at NB58 & backfill	0%	46	46	20-Jul-16	10-Sep-16	-8				
TWSR-West Construction											
Drainage & Road Works											
Ch 5880-6125											
RDZ20160	Z2 : New TWSR-West D&R Works (lane 1)	0%	120	120	29-Sep-16	01-Mar-17	-93				
Noise Barrier Along Fanling Highway S/B											
NB51 (Ch.5935-6055)-FH S/B Side											
Noise Barrier Works											
NB02280	NB51 ID1-3 (0-25m) - Footing & Wall Structure	0%	90	90	20-Jul-16	04-Nov-16	344				
NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02430	Precautionary Measure installation	0%	26	26	20-Jul-16	18-Aug-16	529				
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	19-Aug-16	19-Sep-16	529				
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	20-Sep-16	30-Nov-16	529				
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	01-Sep-16	12-Sep-16	612				
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs	0%	27	27	13-Sep-16	17-Oct-16	612				
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	18-Oct-16	10-Nov-16	612				
NB02590	NB53 (125-180m) - NB production	68.89%	14	45	20-May-16 A	02-Aug-16	996				
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	03-Aug-16	08-Aug-16	805				
NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02640	NB55 - Footing & Wall Structure	95.12%	24	492	07-Nov-14 A	16-Aug-16	612				
NB02650	NB55- backfilling	0%	50	50	17-Aug-16	17-Oct-16	612				
NB02660	NB55 - NB production	79.7%	40	197	15-Jan-16 A	28-Aug-16	970				
NB02670	NB55 - NB post & panel installation	0%	5	5	18-Oct-16	22-Oct-16	743				
NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02730	NB56 - NB production	89.63%	14	135	20-Feb-16 A	02-Aug-16	996				
NB02740	NB56 - NB post & panel installation	0%	5	5	03-Aug-16	08-Aug-16	805				
NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02770	NB61 (0-50m) - Sheet piling & Excavation	0%	18	18	20-Jul-16	09-Aug-16	704				
NB02780	NB61 (0-50m) - Footing & Wall Structure	0%	50	50	10-Aug-16	08-Oct-16	704				
NB02790	NB61 (0-50m)- backfilling	0%	50	50	11-Oct-16	07-Dec-16	704				
NB02800	NB61 (0-50m) - NB production	0%	45	45	08-Oct-16	22-Nov-16	884				
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Jul-16	02-Sep-16	965				
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	03-Sep-16	08-Sep-16	778				
NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB02920	NB61A (0-50m) - NB production	88.97%	15	136	20-Feb-16 A	03-Aug-16	995				
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	04-Aug-16	09-Aug-16	804				
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	91.71%	32	386	01-Apr-15 A	25-Aug-16	750				
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	26-Aug-16	19-Sep-16	765				
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	26-Aug-16	09-Oct-16	928				
NB03000	NB61A ID2-3 (50-75m) - NB post & panel installation	0%	5	5	11-Oct-16	15-Oct-16	749				
NB03040	NB61A (75-190m) - NB production	88.97%	15	136	20-Feb-16 A	03-Aug-16	995				
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	04-Aug-16	09-Aug-16	804				
Other Works											
Site Clearance & Demolition of Existing Structure											
Contract Condition											
MCLT1050	Apply cert for exemption by DLO by Engineer	0%	0	0	20-Jul-16	20-Jul-16	1175				
MCLT1090	New MCLT - finishes works	34.25%	48	73	20-May-16 A	13-Sep-16	89				
MCLT1100	New MCLT completion	0%	0	0		13-Sep-16	89				
TCSS Works											
G54											
TCSS1500	Slow lane footing - G54 (NB61)	0%	0	0		20-Jul-16	672				
South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)											
Noise Barrier Along TWSR-West and Laying New Utilities											
NB63A (Ch.6710-6840)-TWSR West Side											
Noise Barrier Works											
NB01090	NB63A-1 - NB production	68.89%	14	45	20-May-16 A	02-Aug-16	392				
NB01100	NB63A-1 - NB post & panel installation	0%	5	5	03-Aug-16	08-Aug-16	315				
NB01150	NB63A-2 - NB post & panel installation	0%	5	5	20-Jul-16	25-Jul-16	327				
NB01170	NB63A-3 - Footing & Wall Structure (ch24.2-86.9) - 5 bays	84.17%	22	139	18-Jan-16 A	13-Aug-16	1153				
NB01190	NB63A-3 - NB production	38.64%	27	44	03-Jun-16 A	15-Aug-16	379				
NB01200	NB63A-3 - NB post & panel installation	0%	5	5	16-Aug-16	20-Aug-16	304				
DSD Southern Trunk Sewer, Water Main Fire Main Works											
TSZ10860	DSD Trunk Sewer laying (along NB63A)	88.35%	12	103	14-Mar-16 A	02-Aug-16	21				
TSZ10880	Watermain installation (along NB63A)	0%	30	30	03-Aug-16	06-Sep-16	1103				
TSZ10890	Firemain installation (along NB63A)	0%	30	30	07-Sep-16	14-Oct-16	1103				
Underground Utility Works											
UUZ20210	Utility cable laying by Utility companies (Along NB63A, 125m)	67.59%	35	108	18-Mar-16 A	29-Aug-16	-164				

13-Sep-16* ◆ New MCLT completion

20-Jul-16 ◆ Slow lane footing - G54 (NB61)

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				
								Jul	Aug	Sep	Oct	
NB64 & NB64A (Ch.6860-6920)-TWSR West Side												
Noise Barrier Works												
NB001040	NB64 & NB64A -backfilling	0%	12	12	28-Sep-16	13-Oct-16	-14					
NB001060	NB64 & NB64A -NB post & panel installation	71.3%	31	108	14-Mar-16 A	24-Aug-16	301					
DSD Southern Trunk Sewer, Water Main Fire Main Works												
TSZ10910	DSD Trunk Sewer laying (along NB64)	70.59%	25	85	20-Apr-16 A	17-Aug-16	-14					
TSZ10920	Backfill up to NB64 footing level	0%	6	6	18-Aug-16	24-Aug-16	-14					
TSZ10930	Watermain installation (along NB64)	0%	30	30	25-Aug-16	29-Sep-16	-14					
TSZ10940	Firemain installation (along NB64)	0%	30	30	25-Aug-16	29-Sep-16	-14					
Underground Utility Works												
UZZ20220	Utility cable laying by Utility companies (Along NB64. 60m)	71.77%	35	124	29-Feb-16 A	29-Aug-16	-164					
Bridge Construction												
Kau Lung Hang Vehicular Bridge												
Target Milestone												
MS06	Commissioning of Kau Lung Hang Vehicular Bridge to enable	0%	0	0		06-Aug-16	1					06-Aug-16* ◆ Commissioning of Kau Lung Hang Vehicular Bridge to enable den
KLH Bridge - West Ramp												
KLH.1140	West Ramp - Backfilling & Drainage	84.09%	7	44	17-May-16 A	27-Jul-16	0					
KLH.1240	West Ramp -Parapet Wall & Planter Wall	84.44%	7	45	21-May-16 A	27-Jul-16	94					
KLH.1250	West Ramp - Road Surface work ready to start	0%	0	0	28-Jul-16		0					◆ West Ramp - Road Surface work ready to start
KLH.1260	West Ramp - barrier	0%	21	21	28-Jul-16	20-Aug-16	94					
KLH.1280	West Ramp - Lighting	0%	21	21	28-Jul-16	20-Aug-16	94					
KLH.1290	West Ramp - Planting	0%	21	21	28-Jul-16	20-Aug-16	824					
KLH.1300	West Ramp Complete	0%	0	0		20-Aug-16	94					20-Aug-16 ◆ West Ramp Complete
KLH Bridge - Deck 1												
KLH.3410	Deck 1 - barrier	0%	16	16	20-Jul-16	06-Aug-16	0					
KLH.3420	Deck 1 - Lighting	0%	16	16	20-Jul-16	06-Aug-16	0					
KLH.3430	Deck 1 - Planting	0%	21	21	20-Jul-16	12-Aug-16	831					
KLH.3440	Deck 1 - Complete	0%	0	0		06-Aug-16	0					06-Aug-16 ◆ Deck 1 - Complete
KLH.3630	Pedestrian walkway Roof & Parapet P2 to P3	0%	30	30	20-Jul-16	23-Aug-16	78					
KLH.3640	Pedestrian walkway floor finishes P2 to P3	0%	14	14	24-Aug-16	08-Sep-16	78					
KLH Bridge - Deck 2												
KLH.3160	Pedestrian walkway Roof & Parapet P5-P6	0%	30	30	20-Jul-16	23-Aug-16	82					
KLH.3170	Pedestrian walkway floor finishes P5-P6	0%	14	14	19-Aug-16	03-Sep-16	82					
KLH.3260	Pedestrian walkway Roof & Parapet P4 to P5	0%	30	30	20-Jul-16	23-Aug-16	78					
KLH.3270	Pedestrian walkway floor finishes P4 to P5	0%	14	14	24-Aug-16	08-Sep-16	78					
KLH.3360	Pedestrian walkway Roof & Parapet P3 to P4	0%	30	30	20-Jul-16	23-Aug-16	78					
KLH.3370	Pedestrian walkway floor finishes P3 to P4	0%	14	14	24-Aug-16	08-Sep-16	78					
KLH Bridge - Deck 3												
KLH.3480	Deck 3 - barrier	0%	16	16	20-Jul-16	06-Aug-16	0					
KLH.3490	Deck 3 - Lighting	0%	16	16	20-Jul-16	06-Aug-16	0					
KLH.3500	Deck 3 - Planting	0%	21	21	20-Jul-16	12-Aug-16	831					
KLH.3510	Deck 3 - Complete	0%	0	0		06-Aug-16	0					06-Aug-16 ◆ Deck 3 - Complete
KLH.3650	Pedestrian walkway Roof & Parapet P6 to P7	0%	30	30	20-Jul-16	23-Aug-16	78					
KLH.3660	Pedestrian walkway floor finishes P6 to P7	0%	14	14	24-Aug-16	08-Sep-16	78					
KLH Bridge - East Ramp												
KLH.3530	East Ramp - Backfilling & Drainage	87.76%	6	49	09-May-16 A	26-Jul-16	1169					
KLH.3550	East Ramp -Parapet Wall & Planter Wall	66.67%	15	45	07-May-16 A	05-Aug-16	1160					
KLH.3570	East Ramp - barrier	0%	16	16	20-Jul-16	06-Aug-16	0					
KLH.3580	East Ramp - Lighting	0%	16	16	20-Jul-16	06-Aug-16	0					
KLH.3590	East Ramp - Planting	0%	21	21	20-Jul-16	12-Aug-16	831					
KLH.3600	East Ramp Complete	0%	0	0		06-Aug-16	0					06-Aug-16 ◆ East Ramp Complete
KLH Bridge - Ramp R1												
Z2.KLH.1450	Ramp R1 - Pile caps and pier construction (R1P1)	88.96%	35	317	02-Jul-15 A	29-Aug-16	21					
Z2.KLH.1670	Ramp R1 - Pile caps and pier construction (R1P3)	0%	40	40	20-Jul-16	03-Sep-16	16					
Z2.KLH.1680	Ramp R1 - Ramp construction (Abutment R1 to R1P1)	0%	40	40	30-Aug-16	18-Oct-16	47					
Z2.KLH.1685	Ramp R1 - Ramp construction (R1P1 to P1P3)	0%	40	40	05-Sep-16	24-Oct-16	16					
Z2.KLH.1710	Ramp R1 - Abutment R1 - base slab & wall	93.25%	21	311	22-Jun-15 A	12-Aug-16	41					
Z2.KLH.1720	Ramp R1 - Abutment R1 - Top slab	0%	30	30	13-Aug-16	17-Sep-16	41					
Z2.KLH.1730	Ramp R1 - Abutment R1 - Staircase	0%	30	30	19-Sep-16	25-Oct-16	41					
Z2.KLH.3610	Ramp R1 - Steel roof	0%	40	40	22-Sep-16	09-Nov-16	16					
KLH Bridge - Ramp R2												
Z2.KLH.1523	VO 028 - Boundary Wall to Hse 190B structure	0%	24	24	20-Jul-16*	16-Aug-16	772					
Z2.KLH.1524	VO 028 - Boundary Wall to Hse 190B E&M. Drainage	0%	26	26	17-Aug-16	15-Sep-16	772					
Z2.KLH.1530	Ramp R2 - Pile cap, abutment and pier construction	83.67%	32	196	20-Nov-15 A	25-Aug-16	5					
Z2.KLH.1540	Ramp R2 - Ramp construction	0%	45	45	28-Jul-16	19-Sep-16	5					
Z2.KLH.1545	Ramp R2 - Ramp construction (section after VBP6-7 deck)	0%	35	35	20-Sep-16	01-Nov-16	5					
Z2.KLH.1550	Ramp R2 - Steel roof	0%	40	40	07-Oct-16	23-Nov-16	14					
Bridge Road Work												
Z2.KLH.1930	Road Pavement Works (East Ramp)	38.46%	16	26	08-Jul-16 A	06-Aug-16	0					
Z2.KLH.1940	Road Pavement Works (Deck 1)	46.15%	14	26	23-Jul-16 A	04-Aug-16	2					
Z2.KLH.1950	Road Pavement Works (Deck 2)	50%	13	26	13-Jul-16 A	03-Aug-16	3					
Z2.KLH.1960	Road Pavement Works (Deck 3)	0%	16	16	20-Jul-16	06-Aug-16	0					

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Jul	Aug	Sep	Oct
Z2.KLH.1970	Road Pavement Works (West Ramp)	0%	9	9	28-Jul-16	06-Aug-16	0				
Z2.KLH.1980	KLHVB road work complete	0%	0	0		06-Aug-16	0				06-Aug-16 ◆ KLHVB road work complete
Z2.KLH.2020	Completion of Stage S1 of works (KD11)	0%	0	0		06-Aug-16	0				06-Aug-16 ◆ Completion of Stage S1 of works (KD11)
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	08-Aug-16	30-Dec-16	686				
Lift at TWSR-W Side											
L01000	KLHVB completed	0%	0	0	08-Aug-16		0				◆ KLHVB completed
L01010	Demolish Temp NWP ramp	0%	21	21	08-Aug-16	31-Aug-16	0				
L01015	Pre-bored H Piling Rig mobilisation & set up period	0%	10	10	01-Sep-16	12-Sep-16	0				
L01020	KLH (W) lift -Pre-bored H pile (4 nos)	0%	16	16	13-Sep-16	03-Oct-16	0				
L01030	Pile test (As Confirmed by ER, No pile test is required)	0%	0	0	04-Oct-16	04-Oct-16	88				
L01040	Temp work & Pile cap	0%	45	45	04-Oct-16	25-Nov-16	88				
L01093	Lift contractor sub-letting	96.14%	10	259	10-Aug-15 A	30-Jul-16	22				
L01094	Lift submission & ordering period	0%	270	270	01-Aug-16	05-Jul-17	22				
L01140	CLP Power available (by CLP)	20.16%	305	382	04-Apr-16 A	20-May-17	156				
Lift at FLHY S/B											
L01180	Earliest date for lift construction resume	0%	0	0	17-Aug-16		25				◆ Earliest date for lift construction resume
L01190	Set up & Pile test	0%	45	45	17-Aug-16	11-Oct-16	25				
L01200	Temp work & Pier cap	0%	60	60	12-Oct-16	20-Dec-16	25				
L01300	CLP Power available (by CLP)	20.16%	305	382	04-Apr-16 A	20-May-17	159				
Demolition of Existing Nam Wa Po Footbridge											
Demolition Work											
Z2.NWP.1060	Temporary support installation at existing Fanling Highway	0%	65	65	21-Sep-16	07-Dec-16	5				
Noise Barrier Along Fanling Highway S/B											
NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&P Area)											
Noise Barrier Works											
NB03080	NB62 (0-80m) - Sheet piling & Excavation	0%	18	18	24-Aug-16	13-Sep-16	-14				
NB03090	NB62 (0-80m) - Footing & Wall Structure	0%	45	45	14-Sep-16	08-Nov-16	-14				
NB03130	NB62 (80-110m) Under bridge - Sheet piling & Excavation	0%	12	12	10-Aug-16	23-Aug-16	-14				
NB03140	NB62 (80-110m) Under bridge - Footing & Wall Structure	0%	25	25	24-Aug-16	22-Sep-16	30				
NB03150	NB62 (80-110m) Under bridge - backfilling	0%	14	14	23-Sep-16	11-Oct-16	30				
NB03160	NB62 (80-110m) Under bridge - NB production	0%	45	45	23-Sep-16	06-Nov-16	900				
NB03180	NB62 (110-170m) - Sheet piling & Excavation	0%	18	18	20-Jul-16	09-Aug-16	-14				
NB03190	NB62 (110-170m) - Footing & Wall Structure	0%	60	60	10-Aug-16	21-Oct-16	1				
NB70 (Ch.6910-6930)-FH S/B Side											
Noise Barrier Works											
NB03260	NB70 - Footing & Wall Structure	21.21%	26	33	11-Jun-16 A	18-Aug-16	61				
NB03270	NB70- backfilling	0%	12	12	19-Aug-16	01-Sep-16	61				
NB03280	NB70 - NB production	0%	45	45	19-Aug-16	02-Oct-16	935				
NB03290	NB70- NB post & panel installation	0%	5	5	03-Oct-16	07-Oct-16	755				
North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)											
Bridge Construction											
New Ho Ka Yuen Footbridge											
General											
HKY1070	Steel Staircase & Ramp available on site (HKYB-TWSR-W side)	0%	0	0	20-Jul-16		-41				◆ Steel Staircase & Ramp available on site (HKYB-TWSR-W side)
HKY1180	Ho Ka Yuen Footbridge Complete	0%	0	0		11-Oct-16	-70				11-Oct-16 ◆ Ho Ka
TWSR-West/ FL Highway N/B Side Section											
HKY1170	HKYP6 - Pile cap, Pier and Pier Head	51.67%	29	60	13-Jun-16 A	22-Aug-16	-70				
HKY1250	HKYAB3 - pile cap & abutment wall	0%	30	30	23-Aug-16	27-Sep-16	753				
HKY1260	HKYAB3 - Backfilling (~4m)	0%	12	12	28-Sep-16	13-Oct-16	753				
HKY1270	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		13-Oct-16	753				13-Oct-16 ◆ Steel
HKY1273	Erect Staircase (HKY-TWSR-W side)	0%	30	30	14-Oct-16	17-Nov-16	753				
HKY1350	HKYAB4 - pile cap & abutment wall	89.87%	8	79	21-Mar-16 A	28-Jul-16	-61				
HKY1360	HKYAB4 - Backfilling (~3m)	0%	12	12	29-Jul-16	11-Aug-16	-61				
HKY1370	Steel Ramp ready for erection (HKY-TWSR-W side)	0%	0	0		22-Aug-16	-70				22-Aug-16 ◆ Steel Ramp ready for erection (HKY-TWSR-W side)
HKY1390	Erect Ramp (HKY-TWSR-W)	0%	26	26	23-Aug-16	22-Sep-16	-70				
HKY1400	Finishes Work	0%	26	26	08-Sep-16	11-Oct-16	-70				
HKY1410	Bridge Structure complete (HKY-TWSR-W side)	0%	0	0		11-Oct-16	-70				11-Oct-16 ◆ Bridge
Crossing Fanling Highway Section											
HKY1416	TTA Stage 4 start	0%	0	0	17-Aug-16		1151				◆ TTA Stage 4 start
HKY1460	Erect HKY bridge Structure across fanling highway	0%	12	12	23-Aug-16	05-Sep-16	-54				
HKY1470	Finishes Work	0%	12	12	06-Sep-16	20-Sep-16	-54				
HKY1480	Bridge Structure complete (THFB-Cross fanling highway)	0%	0	0		20-Sep-16	-54				20-Sep-16 ◆ Bridge Structure complet
TWSR-East FL Highway S/B Side Section											
HKY1600	Finishes Work	0%	30	30	20-Jul-16	23-Aug-16	-31				
HKY1610	Bridge Structure complete (HKYFB-TWSR-E side)	0%	0	0		23-Aug-16	-31				23-Aug-16 ◆ Bridge Structure complete (HKYFB-TWSR-E side)
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	0%	30	30	20-Jul-16	23-Aug-16	-31				
Demolition of Existing Ho Ka Yuen Footbridge											
Crossing Fanling Highway Section											
HKY1680	Erect Temp platform for bridge demolition	0%	52	52	09-Aug-16	11-Oct-16	-66				
HKY1690	Demolish existing HKY Footbridge	0%	30	30	12-Oct-16	15-Nov-16	-66				
TWSR-East FL Highway S/B Side Section											
HKY1670	Demolish existing HKY footbridge (TWSR-E side)	0%	30	30	17-Oct-16	19-Nov-16	-70				
ZONE 4 (Ch. 7925 to 8700)											
Noise Barrier Along Fanling Highway N/B											

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				
								Jul	Aug	Sep	Oct	
NB77 (Ch.8090-8450)-FH N/B Side												
Noise Barrier Works												
NB4285	TTA for FH N/B (Stage 6) start	0%	0	0	09-Sep-16		12					◆ TTA for FH N/B (Stage 6) start
NB4290	NB77 -Pre-drilling (Ch8090-8190)	0%	24	24	17-Sep-16	17-Oct-16	6					
NB4300	NB77 - piling (NB77/01-08, 0.19m -34no)	0%	68	68	05-Oct-16	23-Dec-16	6					
NB4350	NB77 -Pre-drilling (Ch8190-8290)	0%	72	72	17-Sep-16	12-Dec-16	26					
NB4410	NB77 -Pre-drilling (Ch8290-8390)	0%	60	60	18-Oct-16	28-Dec-16	20					
Bridge Construction												
New Wo Hop Shek Pedstrian & Cycle Bridge												
General												
WHS1120	Diversion of existing pedestrian from existing to proposed footbridge	0%	1	1	19-Sep-16	19-Sep-16	15					
TWSR-West/ FL Highway N/B Side Section												
WHS1930	WHSP4 - Pile cap, Pier and Pier Head	96.7%	10	303	02-Jul-15 A	30-Jul-16	-20					
WHS1980	1st half Steel Ramp ready for erection (WHS-TWSR-W side)	0%	0	0		30-Jul-16	-20					30-Jul-16 ◆ 1st half Steel Ramp ready for erection (WHS-TWSR-W side)
WHS1990	Erect 1st half ramp	47.83%	36	69	10-May-16 A	30-Aug-16	-32					
WHS2000	Erect temp pedestrian ramp besides 1st half ramp	0%	45	45	27-Jul-16	17-Sep-16	-32					
WHS2010	Erect temp access between existing bridge to 1st half ramp	0%	45	45	27-Jul-16	17-Sep-16	-32					
WHS2020	Diverse pedestrian from existing ramp to new ramp	0%	0	0		17-Sep-16	-32					17-Sep-16 ◆ Diverse pedestrian from existing
Crossing Fanling Highway Section												
WHS1490	Finishes Work	0%	30	30	20-Jul-16	23-Aug-16	36					
WHS1500	Bridge Structure complete (WHSB-Cross fanling highway)	0%	0	0		23-Aug-16	36					23-Aug-16 ◆ Bridge Structure complete (WHSB-Cross fanling highway)
Demolition of Existing Wo Hop Shek Pedstrian & Cycle Bridge												
TWSR-West/ FL Highway N/B Side Section												
WHS1870	Install Temp support to remove existing ramp	0%	20	20	19-Sep-16	13-Oct-16	-32					
WHS1880	Remove existing ramp for 2nd half new ramp construction	0%	20	20	14-Oct-16	05-Nov-16	-32					
WHS1890	Demolish existing WHS footbridge (TWSR-W side)	0%	30	30	20-Sep-16	26-Oct-16	576					
Crossing Fanling Highway Section												
WHS1790	Erect Temp platform for bridge demolition	0%	60	60	20-Jul-16	28-Sep-16	488					
WHS1800	Demolish existing WHS Footbridge	0%	60	60	29-Sep-16	09-Dec-16	488					
TWSR-East FL Highway S/B Side Section												
WHS1840	Demolish existing WHS Footbridge abutment wall at W77A	0%	40	40	20-Sep-16	07-Nov-16	15					
Slip Road Y Construction												
Drainage & Road Works												
TWSR-East FL Highway S/B Side Section												
RDZ41020	Construct Slip Rd Y @ existing TWSR-E junction	89.6%	18	173	01-Dec-15 A	09-Aug-16	6					
Underground Utility Works												
DN600 and DN900 Watermain												
DN1056	Laying DN600 section after DN900 changeover Works	92.92%	8	113	01-Feb-16 A	28-Jul-16	10					
DN1060	Watermain (DN600) changeover for TTA stage 4	0%	6	6	29-Jul-16	04-Aug-16	10					
VO - Wall 76A Construction												
Retaining Wall W76A												
TWSR-East FL Highway S/B Side Section												
W76A1050	Drainage work for Caltex access road	0%	150	150	20-Jul-16	17-Jan-17	554					
Fanling Highway Construction												
Drainage & Road Works												
TWSR-East FL Highway S/B Side Section												
RDZ41025	Construct FH S/B Lane 1,2 @ existing TWSR-E junction	88.61%	18	158	18-Dec-15 A	09-Aug-16	6					
RDZ41050	Traffic Diversion for FH S/B road construction (Z4 TTA-Stage 4)	0%	6	6	10-Aug-16	16-Aug-16	6					
RDZ41090	Remove FH central barrier	0%	20	20	17-Aug-16	08-Sep-16	6					
RDZ41100	TTA for FH N/B Lane 1, 2, 3 construction (Ch7925-8600)(SA340)	0%	6	6	09-Sep-16	15-Sep-16	6					
RDZ41114	Construct FH N/B Lane 3 (Ch7925-8600)	0%	68	68	17-Sep-16	07-Dec-16	201					
Other Works												
Retaining Wall W77B												
TWSR-East FL Highway S/B Side Section												
RWZ4.1100	Base slab & Wall (0-3m high)- RW77B (Ch 0-40)	59.86%	59	147	01-Mar-16 A	27-Sep-16	93					
RWZ4.1110	Backfilling (0-3m) - RW77B (Ch 0-40)	0%	30	30	28-Sep-16	03-Nov-16	123					
TCSS Works												
TCSS Pre-Construction Works												
TCSS0120	Prepare Shop Drawing-TCSS	0%	45	45	20-Jul-16	09-Sep-16	203					
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	10-Sep-16	30-Sep-16	259					
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	03-Oct-16	24-Oct-16	203					
G35												
TCSS1550	Slip road island footing - G35 (CH8410, N/B)	0%	30	30	17-Sep-16	24-Oct-16	412					
FVMS2 (Deleted by RFI-138, Pending for VO)												
TCSS1640	Slow lane footing - FVMS2 (CH8400, S/B)- Deleted by RFI-138	0%	30	30	17-Aug-16	21-Sep-16	558					

**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		
			May 16	Jun 16	Jul 16
Air Quality during construction	Restricting heights from which materials are dropped, as far as practicable to minimize the fugitive dust arising from unloading/loading.	During construction	V	V	V
	All stockpiles of excavated materials or spoil of more than 50m ³ shall be enclosed, covered or dampened during dry or windy conditions.		V	V	V
	Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas.		V	V	V
	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.		@	@	@

Noise – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			May 16	Jun 16	Jul 16
Noise during construction	Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant.	During construction	V	V	V
	Reduce the number of equipment and their percentage on-time.		V	V	V
	3.5 m and 5.5 m high temporary noise barrier at culvert construction work area (Figure 2a of the Environmental Permit).		V	V	V
	3 m high temporary noise barrier along the northern edge of Bridge 12 at ground level (Figure 2b of the Environmental Permit).		V	V	V
	2 m high temporary noise barrier along the northern edge of Bridge 12 at bridge level (Figure 2b of the Environmental Permit).		V	V	V
	2.5 m high temporary noise barrier along Tai Wo Service Road West (Figure 2c of the Environmental Permit).		V	V	V
	3.5m and 7m high temporary noise barrier along Tai Wo Services Road West near Tai Hang (Figure 2c of the Environmental Permit).		V	V	V
	7 m high temporary noise barrier along Tai Wo Service Road West near Tai Wo Footbridge work area (Figure 2d of the Environmental Permit).		V	V	V
	7 m high temporary noise barrier near Kiu Tau Footbridge work area (Figure 2d of the Environmental Permit).		V	V	V
	2.5 m high temporary noise barrier near river diversion work area (Figure 2e of the Environmental Permit).		N.A.	N.A.	N.A.

Water Quality – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			May 16	Jun 16	Jul 16
Water quality during construction	Demolition and reconstruction of bridges <ul style="list-style-type: none"> - Prevent off-site migration through use of sheet piles. - Minimise duration of works as far as practical. - All sewer and drainage connections should be sealed to prevent debris, soil, sand, etc, from entering public sewers/drains. - Site surface runoff should be settled to remove sand/silt before it is discharged into the existing storm drains. 	During construction	V	V	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	V	V

Waste – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			May 16	Jun 16	Jul 16
Waste management during construction	General Waste <ul style="list-style-type: none"> - Transport of wastes off site as soon as possible. - Maintenance of accurate waste records. - Minimisation of waste generation for disposal (via reduction/recycling/re-use). - No on-site burning will be permitted. - Use of re-useable metal hoardings/signboards. 	During construction	@	V	V
	Vegetation from site clearance <ul style="list-style-type: none"> - Segregation of materials to facilitate disposal. - Mulching to reduce bulk and where possible review opportunities for the possible beneficial use within landscaping areas. 		V	V	V
	Demolition Wastes <ul style="list-style-type: none"> - Segregation of materials to facilitate disposal. - Appropriate stockpile management. 		V	V	V
	Excavated Materials <ul style="list-style-type: none"> - Segregation of materials to facilitate disposal / reuse. - Appropriate stockpile management. - Re-use of excavated material on or off site (where possible). - Special handling and disposal procedures in the event that contaminated materials are excavated. 		V	V	V
	Construction Wastes <ul style="list-style-type: none"> - Segregation of materials to facilitate recycling/reuse (within designated area in appropriate containers/stockpiles). - Appropriate stockpile management. - Planning to reduce over ordering and waste generation. - Recycling and re-use of materials where possible (e.g. metal, wood from formwork) - For material which cannot be re-used/recycled, collection should be carried out by an approved waste contractor for landfill disposal. 		V	V	V
	Bentonite Slurries <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		
			May 16	Jun 16	Jul 16
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	Implementation Status		
			May 16	Jun 16	Jul 16
Landscape & Visual during construction	Preservation of Existing Vegetation - Trees identified for retention within the project limit would be protected during the works; - The tree transplanting and planting works shall be implemented by approved Landscape Contractors.	During construction	V	V	@
	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)

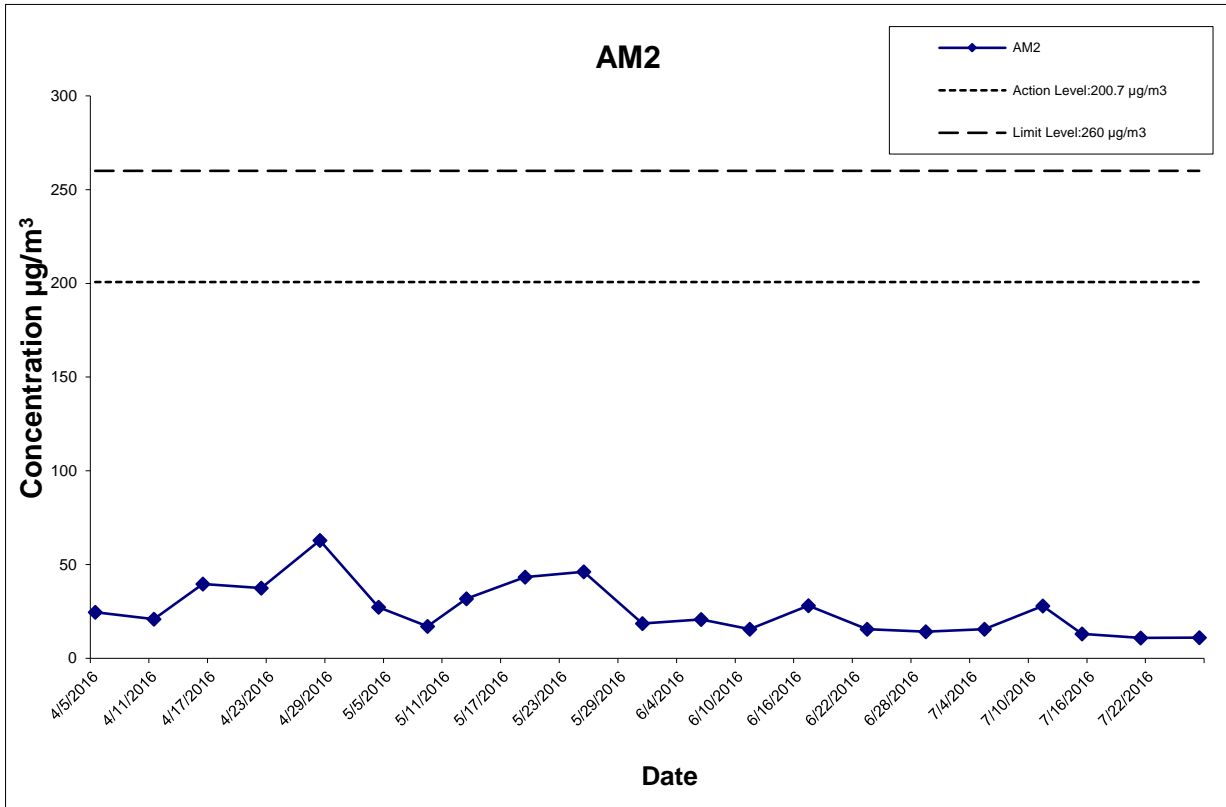
*Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65dB(A) applies during school examination period

**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				
5-Apr-16	Cloudy	22.3	1013.3	1.314	1.314	1.314	1892.2	2.7931	2.8396	0.0465	7034.03	7058.03	24.00	24.6	200.7	260
11-Apr-16	Cloudy	21.5	1010.1	1.314	1.314	1.314	1892.2	2.8907	2.9302	0.0395	7058.03	7082.03	24.00	20.9	200.7	260
16-Apr-16	Cloudy	24.7	1010.5	1.314	1.314	1.314	1892.2	2.8864	2.9614	0.0750	7082.03	7106.03	24.00	39.6	200.7	260
22-Apr-16	Cloudy	23.7	1010.7	1.314	1.314	1.314	1892.2	2.8361	2.9071	0.0710	7106.03	7130.03	24.00	37.5	200.7	260
28-Apr-16	Sunny	26.0	1010.4	1.314	1.314	1.314	1892.2	2.8699	2.9889	0.1190	7130.03	7154.03	24.00	62.9	200.7	260
4-May-16	Fine	25.8	1011.4	1.314	1.314	1.314	1892.2	2.8042	2.8556	0.0514	7154.03	7178.03	24.00	27.2	200.7	260
9-May-16	Rainy	28.7	1010.1	1.314	1.314	1.314	1892.2	2.8156	2.8480	0.0324	7178.03	7202.03	24.00	17.1	200.7	260
13-May-16	Sunny	25.5	1012.4	1.314	1.314	1.314	1892.2	2.8226	2.8828	0.0602	7202.03	7226.03	24.00	31.8	200.7	260
19-May-16	Sunny	25.5	1009.9	1.314	1.314	1.314	1892.2	2.8048	2.8867	0.0819	7226.03	7250.03	24.00	43.3	200.7	260
25-May-16	Sunny	28.0	1007.8	1.314	1.314	1.314	1892.2	2.8067	2.8940	0.0873	7250.03	7274.03	24.00	46.1	200.7	260
31-May-16	Sunny	29.9	1009.5	1.314	1.314	1.314	1892.2	2.8274	2.8625	0.0351	7274.03	7298.03	24.00	18.6	200.7	260
6-Jun-16	Fine	26.2	1008.8	1.314	1.314	1.314	1892.2	2.8206	2.8600	0.0394	7318.03	7342.03	24.00	20.8	200.7	260
11-Jun-16	Rainy	26.6	1005.9	1.314	1.314	1.314	1892.2	2.8108	2.8404	0.0296	7342.03	7366.03	24.00	15.6	200.7	260
17-Jun-16	Sunny	29.4	1008.2	1.314	1.314	1.314	1892.2	2.8073	2.8604	0.0531	7366.03	7390.03	24.00	28.1	200.7	260
23-Jun-16	Fine	30.4	1008.4	1.314	1.314	1.314	1892.2	2.7637	2.7933	0.0296	7390.03	7414.03	24.00	15.6	200.7	260
29-Jun-16	Sunny	29.0	1010.0	1.314	1.314	1.314	1892.2	2.8801	2.9071	0.0270	7414.03	7438.03	24.00	14.3	200.7	260
5-Jul-16	Fine	30.1	1006.6	1.314	1.314	1.314	1892.2	2.8262	2.8555	0.0293	7438.03	7462.03	24.00	15.5	200.7	260
11-Jul-16	Cloudy	28.9	1002.2	1.314	1.314	1.314	1892.2	2.8838	2.9368	0.0530	7462.03	7486.03	24.00	28.0	200.7	260
15-Jul-16	Sunny	28.9	1006.8	1.314	1.314	1.314	1892.2	2.7982	2.8230	0.0248	7486.03	7510.03	24.00	13.1	200.7	260
21-Jul-16	Rainy	29.2	1009.8	1.314	1.314	1.314	1892.2	2.8147	2.8354	0.0207	7510.03	7534.03	24.00	10.9	200.7	260
27-Jul-16	Sunny	29.4	1008.3	1.314	1.314	1.314	1892.2	2.8455	2.8664	0.0209	7534.03	7558.03	24.00	11.0	200.7	260
Average for the reporting quarter (May 16 to Jul 16)													22.0			
Minimum for the reporting quarter (May 16 to Jul 16)													10.9			
Maximum for the reporting quarter (May 16 to Jul 16)													46.1			



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



Graphical Presentation of Impact 24-hour TSP Monitoring Results

Project No.: 60307376

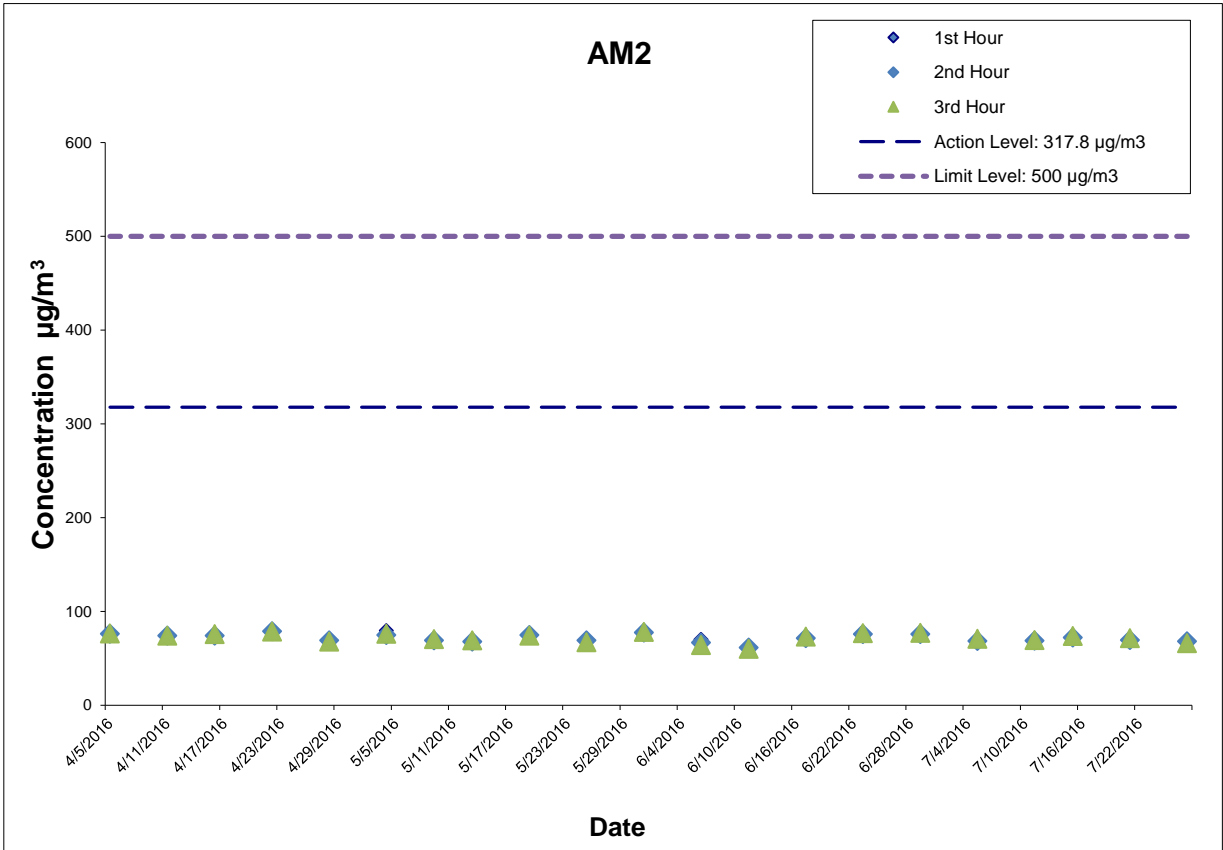
Date: Sep-16

Appendix E

Impact Air Quality Monitoring Results

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

Date	Start Time (hh:mm)	1st Hour Conc. ($\mu\text{g}/\text{m}^3$)	2nd Hour Conc. ($\mu\text{g}/\text{m}^3$)	3rd Hour Conc. ($\mu\text{g}/\text{m}^3$)
5-Apr-16	10:02	77.4	76.3	76.5
11-Apr-16	11:29	73.3	74.4	74.2
16-Apr-16	9:57	75.6	74.2	76.0
22-Apr-16	10:15	78.4	79.1	78.5
28-Apr-16	9:50	68.6	69.2	67.9
4-May-16	11:00	79.6	74.8	76.4
9-May-16	10:00	68.8	69.2	70.7
13-May-16	10:00	68.6	67.9	69.4
19-May-16	12:07	74.6	75.1	74.3
25-May-16	11:20	68.6	69.4	67.1
31-May-16	13:05	75.4	77.5	78.3
6-Jun-16	10:50	70.1	66.8	64.2
11-Jun-16	10:30	62.2	61.7	60.3
17-Jun-16	11:30	70.8	71.6	73.3
23-Jun-16	9:40	74.9	76.1	77.0
29-Jun-16	11:50	74.9	75.8	77.3
5-Jul-16	11:49	69.5	68.7	70.9
11-Jul-16	15:30	67.4	68.9	69.5
15-Jul-16	9:59	73.4	72.2	74.0
21-Jul-16	15:07	70.5	69.7	71.6
27-Jul-16	11:05	66.9	68.2	66.4
Average for the reporting quarter (May 16 to Jul 16)				71.1
Minimum for the reporting quarter (May 15 to Jul 16)				60.3
Maximum for the reporting quarter (May 16 to Jul 16)				79.6



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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

Project No.: 60307376

Date: Sep-16

Appendix E

**APPENDIX F
METEROLOGICAL DATA**

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Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	1011.4	23.2	22.0	19.8	20.8	93	***	***	***
02	1010.7	27.5	24.7	22.9	23.3	92	***	***	***
03	1011.1	32.2	25.8	22.7	23.7	89	***	***	***
04	1011.3	27.1	24.8	22.3	23.5	93	***	***	***
05	1010.0	30.8	28.0	25.3	24.6	82	***	***	***
06	1009.5	31.1#	28.1	25.1#	24.5	81	***	***	***
07	1010.2	32.3	28.1	25.0	24.7	82	***	***	***
08	1011.0	30.6	28.1	26.0	24.9	83	***	***	***
09	1009.6	31.1	28.4	26.2	24.7	81	***	***	***
10	1008.0	28.2	25.2	22.9	23.8	92	***	***	***
11	1008.5	27.5	24.6	21.9	20.0	76	***	***	***
12	1009.6	26.7	24.8	23.3	21.1	80	***	***	***
13	1012.2	27.1#	25.5	23.8#	22.0	81	***	***	***
14	1013.9	26.9	25.1	23.7	23.1	89	***	***	***
15	1011.8	28.8	25.9	23.5	23.7	88	***	***	***
16	1011.2	27.9	24.3	21.3	18.6	72	***	***	***
17	1012.3	24.3	23.3	22.2	19.7	80	***	***	***
18	1012.0	25.5	24.0	23.3	19.5	76	***	***	***
19	1009.7	26.2	24.8	23.7	22.2	86	***	***	***
20	1006.8	25.1	24.3	23.8	23.7	97	***	***	***
21	1005.5	29.0	26.1	23.9	24.2	89	***	***	***
22	1007.6	28.8	26.6	24.8	22.6	79	***	***	***
23	1008.1	29.7	26.3	23.0	22.8	82	***	***	***
24	1007.5	30.3	27.1	23.9	23.7	83	***	***	***
25	1007.5	29.6	27.3	25.3	24.5	85	***	***	***
26	1007.5	28.8	27.1	25.9	24.7	87	***	***	***
27	1006.1	28.3	27.0	25.5	25.1	89	***	***	***
28	1007.1	30.9	26.9	23.9	24.8	89	***	***	***
29	1007.3	31.9	28.0	24.4	25.7	88	***	***	***
30	1008.1	32.7#	29.3	26.9#	25.8	82	***	***	***
31	1008.8	32.5#	29.8	27.2#	25.6	78	***	***	***

*** unavailable

data incomplete

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

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Last revision date: <18 Feb 2016>

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

 Year Month Go

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	***	23.5	22.2	20.2	***	***	2.0	070	9.0
02	***	26.8	24.7	23.1	***	***	1.0	070	5.1
03	***	30.9#	25.9#	22.9#	***	***	7.0	270	7.1
04	***	28.8#	25.5	22.9#	***	***	1.0	070#	5.1#
05	***	31.5#	27.9	25.5#	***	***	0.0	170	6.7
06	***	29.3#	27.4#	21.2#	***	***	0.0	170	5.9
07	***	32.2#	28.8#	26.2#	***	***	0.0	170	4.0
08	***	27.5#	26.1#	23.3#	***	***	0.0	170	5.1
09	***	32.2#	28.6	26.6#	***	***	0.0	170	6.3
10	***	28.4	25.4	23.1	***	***	0.0#	250	11.3
11	***	31.1#	24.3#	22.0#	***	***	0.0#	110#	12.9#
12	***	28.6	24.9	22.8	***	***	0.0	110	16.1
13	***	28.5#	25.3	23.3#	***	***	0.0	090	15.8
14	***	26.3	24.5	23.3	***	***	11.0	090	17.7
15	***	30.3	26.0	23.5	***	***	1.0	160	9.9
16	***	27.3#	24.2	20.9#	***	***	0.0	030	15.2
17	***	24.4#	23.1	22.4#	***	***	0.0	110	19.8
18	***	25.9	23.7	22.1	***	***	0.0	100	17.0
19	***	25.9	24.2	23.3	***	***	0.0	100	15.4
20	***	24.4#	23.8	23.2#	***	***	50.5	070	16.8
21	***	28.4	25.6	23.7	***	***	47.0	260	11.6
22	***	29.8	26.7	24.4	***	***	0.0	060	11.0
23	***	30.6#	26.6	23.5#	***	***	0.0	160	2.3
24	***	32.0	27.4	24.0	***	***	0.0	160	4.8
25	***	30.0	26.9	25.2	***	***	0.0	090	14.2
26	***	28.5#	26.6	24.9#	***	***	0.5	090	20.5
27	***	28.3	26.4	25.1	***	***	7.5	090	17.3
28	***	31.2	26.5	23.8	***	***	41.5	240	13.6
29	***	31.1	27.9	24.4	***	***	10.0	240	8.8
30	***	32.5	29.5	26.9	***	***	0.0	240	10.4
31	***	32.2	29.7	27.6	***	***	0.0	250	14.7

*** unavailable

data incomplete

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

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Daily Extract of Meteorological Observations , June 2016 - Tai Po

Year Month

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	1007.1	32.0	29.8	28.2	25.8	79	***	***	***
02	1005.2	33.6	30.2	27.6	26.0	79	***	***	***
03	1005.7	32.5	30.3	28.8	26.1	79	***	***	***
04	1007.3	33.1	28.2	24.6	25.2	84	***	***	***
05	1008.4	28.8	25.7	23.4	24.2	92	***	***	***
06	1008.6	27.3	24.9	23.7	24.4	96	***	***	***
07	1007.8	29.1	26.5	25.2	25.3	94	***	***	***
08	1005.9	28.2	26.1	24.0	24.8	93	***	***	***
09	1005.4	29.7	27.0	25.2	25.5	92	***	***	***
10	1005.5	29.9	26.9	25.9	25.8	94	***	***	***
11	1005.4	26.9	25.8	25.1	25.3	97	***	***	***
12	1005.0	28.2	26.7	25.0	25.5	93	***	***	***
13	1004.2	31.6	29.2	27.4	26.5	86	***	***	***
14	1003.5	31.7	29.9	28.7	26.3	81	***	***	***
15	1004.7	32.1	29.6	27.6	26.3	82	***	***	***
16	1006.2	30.2	28.2	25.9	26.3	90	***	***	***
17	1007.6	33.0	29.0	26.1	25.8	84	***	***	***
18	1009.8	31.7	29.0	27.4	25.7	83	***	***	***
19	1009.7	32.0	29.2	26.5	25.6	81	***	***	***
20	1008.0	32.9	29.6	27.3	26.1	82	***	***	***
21	1008.7	33.5	29.8	26.9	25.2	77	***	***	***
22	1008.9	34.3	29.9	26.7	24.9	76	***	***	***
23	1007.8	34.7	30.0	26.1	24.0	72	***	***	***
24	1007.5	33.4	29.9	26.9	25.2	77	***	***	***
25	1008.3	33.2	29.8	26.7	25.6	79	***	***	***
26	1008.5	33.0	30.4	28.0	26.0	78	***	***	***
27	1007.0	32.9	30.1	27.5	26.4	81	***	***	***
28	1006.9	31.0	28.8	26.3	26.1	86	***	***	***
29	1009.6	31.1	28.1	26.2	26.3	90	***	***	***
30	1009.8	32.1	29.1	26.3	25.8	83	***	***	***

*** unavailable

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

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


Year Month

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	***	31.4	29.4	27.7	***	***	0.0	250	17.5
02	***	32.9	29.9	27.5	***	***	0.0	240	13.6
03	***	33.0	30.1	28.5	***	***	0.0	240	15.5
04	***	33.4	28.3	24.8	***	***	4.5	280	10.1
05	***	29.9	26.1	23.7	***	***	6.5	060	6.9
06	***	26.6	24.8	23.9	***	***	79.5	070	6.9
07	***	31.8	27.2	24.9	***	***	1.5	060	5.1
08	***	30.3	26.2	24.4	***	***	24.5	070	6.7
09	***	31.5	27.2	25.4	***	***	0.0	060	9.8
10	***	32.5	27.3	25.8	***	***	18.5	060	7.7
11	***	26.7	25.6	24.8	***	***	32.0	270	7.8
12	***	27.7	26.2	24.7	***	***	31.5	270	10.7
13	***	30.5	28.7	27.5	***	***	0.5	230	10.8
14	***	31.6	29.5	28.3	***	***	2.0	240	17.6
15	***	32.2	29.4	27.8	***	***	4.0	260	19.8
16	***	30.6	28.2	25.5	***	***	***	260	10.9
17	***	32.4	28.9	26.0	***	***	***	250	9.8
18	***	32.2	28.7	27.2	***	***	0.5	250	7.3
19	***	33.3	29.5	26.7	***	***	0.5	140	7.7
20	***	33.5	29.8	27.2	***	***	0.0	160	6.9
21	***	33.6	30.1	27.4	***	***	0.0	250	7.0
22	***	34.4	30.3	27.2	***	***	0.0	290	6.8
23	***	34.2	30.1	26.9	***	***	0.0	160	4.7
24	***	34.4	30.3	27.7	***	***	0.0	160	4.6
25	***	34.6	30.6	27.7	***	***	0.0	130	6.7
26	***	34.8	30.6	28.0	***	***	0.0	150	7.9
27	***	33.5	29.8	27.4	***	***	1.0	090	12.0
28	***	30.1	28.0	26.2	***	***	0.0#	060	17.1
29	***	31.8	27.9	25.7	***	***	***	160	10.0
30	***	31.6	28.6	26.8	***	***	***	160	6.8

*** unavailable

data incomplete

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

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Daily Extract of Meteorological Observations , July 2016 - Tai Po

Year Month

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	1008.3	31.6	29.1	26.5	25.6	82	***	***	***
02	1008.4	30.4	28.5	26.5	25.6	84	***	***	***
03	1008.0	31.3	28.2	26.1	25.6	86	***	***	***
04	1005.9	31.1	28.8	27.0	25.5	83	***	***	***
05	1007.2	30.7	27.6	24.5	25.8	90	***	***	***
06	1008.1	28.4	26.5	24.0	25.5	94	***	***	***
07	1005.4	32.9	29.3	26.7	25.4	80	***	***	***
08	1000.3	35.8	31.6	27.6	25.1	69	***	***	***
09	998.3	36.5	31.5	25.3	25.7	73	***	***	***
10	999.5	31.1	28.3	25.7	25.0	83	***	***	***
11	1001.5	29.6	28.0	25.6	25.7	87	***	***	***
12	1003.1	28.7	27.7	26.5	25.3	87	***	***	***
13	1004.5	29.2	27.2	25.0	26.0	93	***	***	***
14	1006.3	29.3	27.2	25.5	26.1	94	***	***	***
15	1006.4	32.5	29.4	26.5	26.3	84	***	***	***
16	1007.4	33.6	30.3	27.8	26.1	78	***	***	***
17	1007.6	33.4	30.4	28.2	25.9	77	***	***	***
18	1006.8	32.9	30.3	28.7	25.0	74	***	***	***
19	1007.3	32.2	29.4	26.3	25.3	79	***	***	***
20	1009.2	32.7	28.8	25.1	25.1	81	***	***	***
21	1010.3	33.0	29.4	26.8	25.0	78	***	***	***
22	1009.5	35.1	29.9	26.3	24.7	75	***	***	***
23	1008.1	35.5	30.3	26.8	24.5	72	***	***	***
24	1007.6	34.1	30.0	26.4	24.8	74	***	***	***
25	1008.0	33.1	29.8	26.7	24.8	75	***	***	***
26	1007.8	30.9	28.8	27.1	25.9	84	***	***	***
27	1008.7	34.3	29.8	26.9	25.0	76	***	***	***
28	1009.0	35.1	29.9	26.4	24.6	74	***	***	***
29	1007.7	36.1	30.8	26.7	23.6	67	***	***	***
30	1006.1	34.2	28.0	23.4	24.5	82	***	***	***
31	1004.6	32.6	28.7	25.3	24.5	79	***	***	***

*** unavailable

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

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

Year Month

Day	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)					
01	***	31.7	28.6	26.5	***	***	3.5	160	5.9
02	***	30.1	27.9	25.6	***	***	2.5	280	10.0
03	***	30.9	27.9	25.2	***	***	2.0	160	6.5
04	***	32.2	29.1	27.5	***	***	1.5	170	6.5
05	***	30.0	27.5	24.4	***	***	1.0	100	12.9
06	***	28.0	26.2	23.8	***	***	1.0	060	11.3
07	***	33.3	29.3	26.8	***	***	1.0	060	9.2
08	***	35.3	31.3	26.2	***	***	1.0	280	11.2
09	***	35.9	30.9	24.8	***	***	0.5	280	12.5
10	***	30.9	28.1	25.8	***	***	1.0	280	10.8
11	***	29.2	27.4	25.0	***	***	0.0	280	8.6
12	***	28.5	27.3	26.0	***	***	0.5	280	5.3
13	***	28.8	26.9	24.3	***	***	1.5	070	6.3
14	***	29.1	27.2	25.8	***	***	14.5	070	7.2
15	***	32.1	29.3	27.0	***	***	0.5	250	11.9
16	***	32.8	29.9	27.3	***	***	0.5	250	13.7
17	***	33.0	30.2	27.9	***	***	0.0	280	13.1
18	***	32.7	30.0	27.8	***	***	0.0	260	16.6
19	***	32.2	29.0	26.3	***	***	9.0	260	14.9
20	***	32.0	28.7	25.0	***	***	6.0	240	14.4
21	***	33.3	29.3	26.3	***	***	0.5	290	7.7
22	***	34.2	29.8	26.6	***	***	0.0	190	6.4
23	***	34.4	30.2	26.9	***	***	0.0	280	11.3
24	***	35.4	30.6	27.1	***	***	0.0	280	9.3
25	***	34.6	30.0	27.1	***	***	0.0	150	6.5
26	***	32.2	29.3	27.6	***	***	0.0	050	12.3
27	***	35.0	30.2	27.5	***	***	0.0	170	6.4
28	***	33.8	29.9	26.9	***	***	0.0	290	9.3
29	***	35.2	30.8	27.2	***	***	0.0	280	14.4
30	***	36.7	29.3	26.3	***	***	0.0	280	8.0
31	***	33.8	29.4	26.4	***	***	0.0	160#	7.0#

*** unavailable

data incomplete

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

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

Location : M2 (West Tai Wo - Free Field)

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

Date	Measured Noise Level for 30-min, dB(A)				Limit Level, dB(A)	Exceedance (Y/N)
	Start Time	Leq*	L10*	L90*		
5-Apr-16	11:00	68.8	70.4	64.9	75	N
11-Apr-16	10:02	69.6	72.4	65.2	75	N
22-Apr-16	11:15	69.2	71.4	65.4	75	N
28-Apr-16	10:35	69.8	72.0	68.5	75	N
4-May-16	13:10	71.8	74.9	68.8	75	N
9-May-16	10:15	68.8	71.0	66.5	75	N
19-May-16	15:02	69.8	72.1	66.3	75	N
25-May-16	11:35	69.1	72.0	68.0	75	N
31-May-16	14:05	70.8	72.5	67.0	75	N
6-Jun-16	11:45	66.8	69.5	64.0	75	N
17-Jun-16	13:10	69.8	72.3	64.2	75	N
23-Jun-16	15:19	69.8	71.9	67.2	75	N
29-Jun-16	15:08	68.9	70.5	67.0	75	N
5-Jul-16	9:26	68.9	71.4	66.7	75	N
11-Jul-16	15:45	69.5	72.0	68.0	75	N
21-Jul-16	16:14	69.8	72.4	68.1	75	N
27-Jul-16	11:20	69.0	71.0	66.5	75	N
Minimum for May 16 to Jul 16		66.8	69.5	64.0		
Maximum for May 16 to Jul 16		71.8	74.9	68.8		
Average for May 16 to Jul 16		69.6	72.0	67.0		

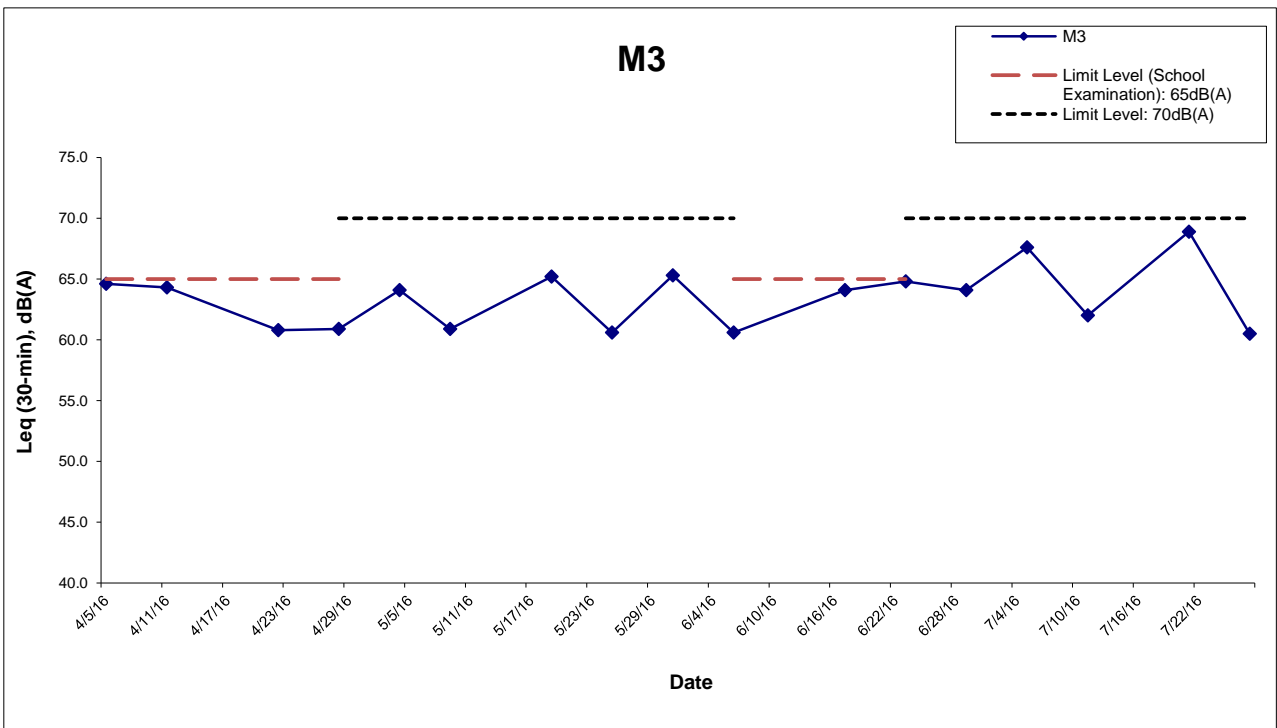
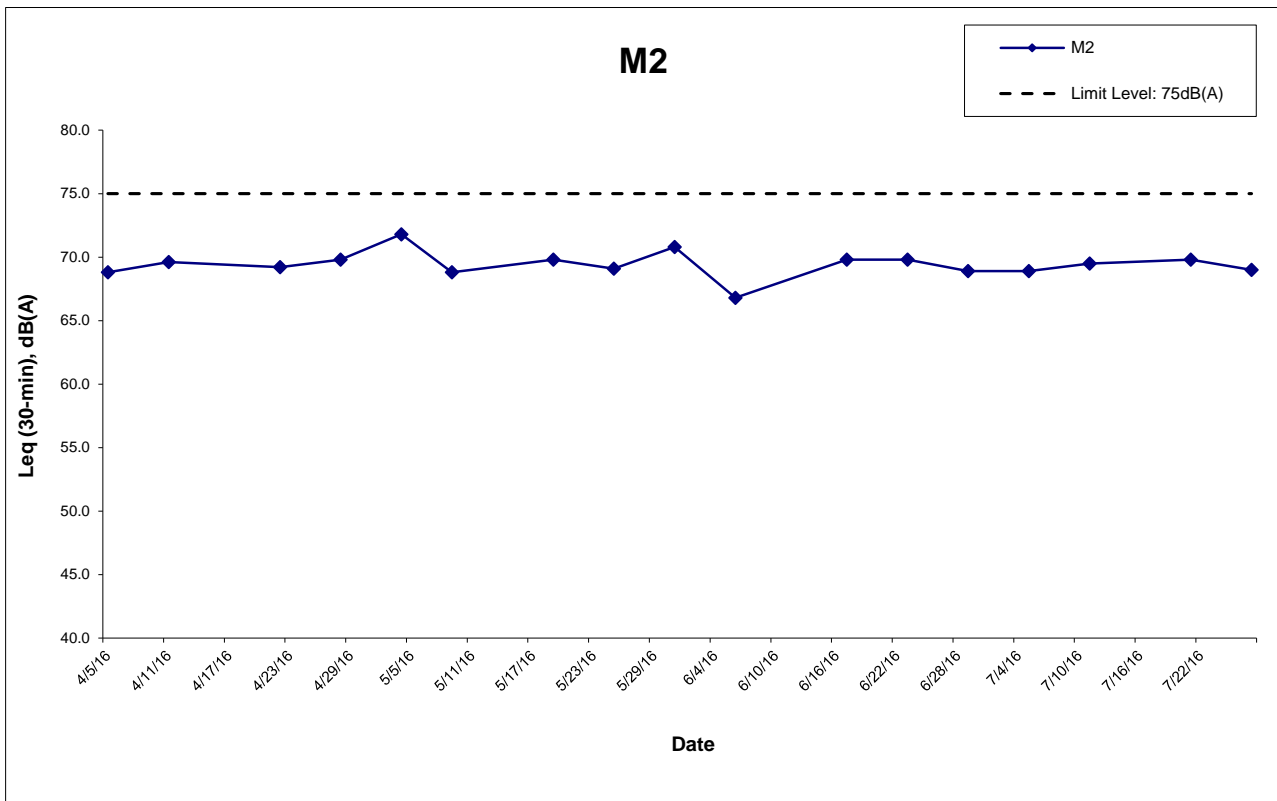
Location : M3 (Fanling Government Secondary School- Façade)

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

Date	Measured Noise Level for 30-min, dB(A)				Limit Level, dB(A)^	Exceedance (Y/N)
	Start Time	Leq	L10	L90		
5-Apr-16	10:02	64.6	65.7	61.4	65	N
11-Apr-16	11:29	64.3	66.0	60.5	65	N
22-Apr-16	10:20	60.8	62.6	59.4	65	N
28-Apr-16	9:50	60.9	62.0	58.5	65	N
4-May-16	11:00	64.1	67.8	61.2	70	N
9-May-16	10:00	60.9	62.0	58.0	70	N
19-May-16	15:43	65.2	67.1	62.6	70	N
25-May-16	11:20	60.6	61.5	57.0	70	N
31-May-16	13:10	65.3	67.0	62.0	70	N
6-Jun-16	11:00	60.6	62.0	58.0	70	N
17-Jun-16	14:00	64.1	67.3	59.2	65	N
23-Jun-16	16:17	64.8	69.4	60.2	65	N
29-Jun-16	16:00	64.1	65.5	63.0	70	N
5-Jul-16	11:29	67.6	69.2	65.3	70	N
11-Jul-16	15:30	62.0	63.5	60.0	70	N
21-Jul-16	15:12	68.9	71.5	67.4	70	N
27-Jul-16	11:05	60.5	61.5	57.0	70	N
Minimum for May 16 to Jul 16		60.5	61.5	57.0		
Maximum for May 16 to Jul 16		68.9	71.5	67.4		
Average for May 16 to Jul 16		64.6	67.0	62.0		

* +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: Sep-16

Appendix G

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

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

	Date Received	Subject	Status	Total no. followed up by the ET this month	Total no. followed up by the ET since project commencement
Environmental complaints	19 December 2013	EPD referred a complaint from Lot no. 116 of Fui Sha Wai at Tai Hang of Tai Po which is concerned about the construction noise and diesel-like smell generated from construction activities nearby which caused nuisance and health problems on 19 December 2013 morning.	Closed	0	5
	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
Environmental complaints	23 October 2014	<p>EPD referred an air complaint on 24 October 2014. A resident complained against the excavation works of Tai Wo Service Road West between Nam Wah Po & Tai Hang Tsuen, which have piled up high stockpiles, causing serious dust nuisance to his house.</p> <p>The resident also complained that the stockpiles have not been covered and watered properly. He now requires the EPD to follow up. The location of complaint is near Lamppost Location EB5717.</p>	Closed		
	31 December 2014	<p>EPD referred a water complaint on 31 December 2014. The complainant complained about the muddy river outside Tai Hang Village Office on 29 December 2014. It was suspected that the muddy water was discharged from the construction works of the Project.</p> <p>He required the EPD to follow up.</p>	Closed		
	25 March 2015	<p>EPD referred a water complaint on 25 March 2015. The complainant complained about the generation of the smell of gasoline from the Widening of Fanling Highway construction site on Tai Wo Service Road West, causing serious nuisance to nearby houses.</p> <p>The situation has continued for a few weeks and she asked the EPD to follow up as soon as possible.</p>	Closed		
Notification of summons	-	-	-	0	0
Successful Prosecutions	-	-	-	0	0