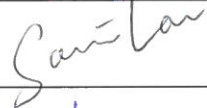



**Environmental Protection Department**

Contract No. HY/2012/06

**Widening of Fanling Highway  
– Tai Hang to Wo Hop Shek  
Interchange****Quarterly EM&A Report  
for August 2016 to October 2016**

[12/2016]

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

Version:	Rev. 0	Date: 06 Dec 2016
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**Disclaimer**

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

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100 How Ming Street,  
Kwun Tong, Hong Kong  
Attn: Mr. James Penny

**Your Reference**

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

**Our Reference**

JFP/EC/ST/pl/T329380/22  
.05/L-0144

**Environmental Permit No. EP-324/2008/D**

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

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6 December 2016

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We refer to the revised Quarterly EM&A Summary Report for August 2016 to October 2016 for the captioned Project received on 6 December 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  
Mr. Y W Fung

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

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

This report documents the findings of EM&A works conducted in the period between 1 August 2016 and 31 October 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
- Piling

### 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
<b>ER</b> (Hyder-Arup-Black & Veatch Joint Venture)	Chief Resident Engineer	Edwin Chung	6115 0818	2638 0950
<b>IEC</b> (Mott MacDonald Hong Kong Limited)	Independent Environmental Checker	Steven Tang	2828 5920	2827 1823
<b>Contractor</b> (China State Construction Engineering (Hong Kong) Limited)	Environmental Officer	Michael Tsang	9277 4956	2672 2501
		C C Chow	9679 6315	2672 2501
<b>ET</b> (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
- Piling

- 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 ( $\mu\text{g}/\text{m}^3$ )
<b>AM2</b> (Fanling Government Secondary School)	72.9	68.9 – 79.1	317.8	500



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

Location	Average ( $\mu\text{g}/\text{m}^3$ )	Range ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
<b>AM2</b> (Fanling Government Secondary School)	48.6	20.5 – 141.5	200.7	260

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

## 4 NOISE MONITORING

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

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

	Average (dB(A))	Range (dB(A))	Limit Level (dB(A))
	$L_{\text{eq}}$ (30 mins)	$L_{\text{eq}}$ (30 mins)	$L_{\text{eq}}$ (30 mins)
<b>M2*</b> (West Tai Wo)	69.9	68.8 – 70.9	75
<b>M3#</b> (Fanling Government Secondary School)	66.1	61.1 – 69.4	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, 7,157 m<sup>3</sup> of inert C&D material was generated in the reporting period (0m<sup>3</sup> was broken concrete, 3,218m<sup>3</sup> was reused in the Contract, 1,402m<sup>3</sup> was reused in other Projects and 2,537m<sup>3</sup> was disposed as public fill to Tuen Mun 38). 170kg of general refuse was disposed of at NENT landfill. 0 kg of metals, 193 kg of paper and 2,217 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	2,537 m <sup>3</sup>	Tuen Mun 38
Broken concrete	0 m <sup>3</sup>	Tuen Mun 38
C&D wastes disposed as general refuse	170 m <sup>3</sup>	NENT Landfill
Paper/cardboard packaging	193 kg	Recycling Facilities
Plastics	2,217 kg	Recycling Facilities
Metals	0 kg	Recycling Facilities
C&D materials reused on site	3,218 m <sup>3</sup>	Site Area
C&D materials reused in other projects	1,402 m <sup>3</sup>	Other projects
Chemical wastes	0 kg	Licensed Contractors

## 6 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

- 6.1.1 All 1-hour and 24-hour TSP monitoring results complied with the Action / Limit Levels in the reporting quarter.
- 6.1.2 No Action or Limit Level exceedance of construction noise was recorded in the reporting period. No noise complaints related to 0700 – 1900 hours on normal weekdays was received and followed by 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 clean up the mud trail and dusty materials on roads for dust suppression, spray water to maintain the road surface wet, provide wheel washing at vehicle entrance/exit and implement measures to prevent exposed earth from being carried to the road.
- The Contractor should cover exposed slopes properly and clear dusty materials to avoid potential windblown dust emission.

#### ***Construction Noise Impact***

- Nil.

#### ***Water Quality Impact***

- The Contractor should remove muddy water and implement measures to prevent surface runoff from flowing to public road.
- The Contractor should remove deposited silt and grit regularly to well maintain the drainage system.
- The Contractor should remove sandy materials deposited near the existing drainage system; and implement measures to prevent surface runoff of site and silt from entering the drainage system.

#### ***Chemical and Waste Management***

- The Contractor should remove the C&D waste and refuse to maintain the site clean and tidy.
- The Contractor should provide chemical containers and oil drums with drip trays to prevent potential spillage.
- The Contractor should improve the housekeeping condition and keep the site clean and tidy.
- The Contractor should remove the rubbish in drip trays.
- The Contractor should transport construction wastes off site as soon as possible to avoid excessive accumulation of wastes.

#### ***Landscape and Visual Impact***

- Nil.

#### ***Miscellaneous***

- The Contractor should remove standing water on ground and retained water in drip trays 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.

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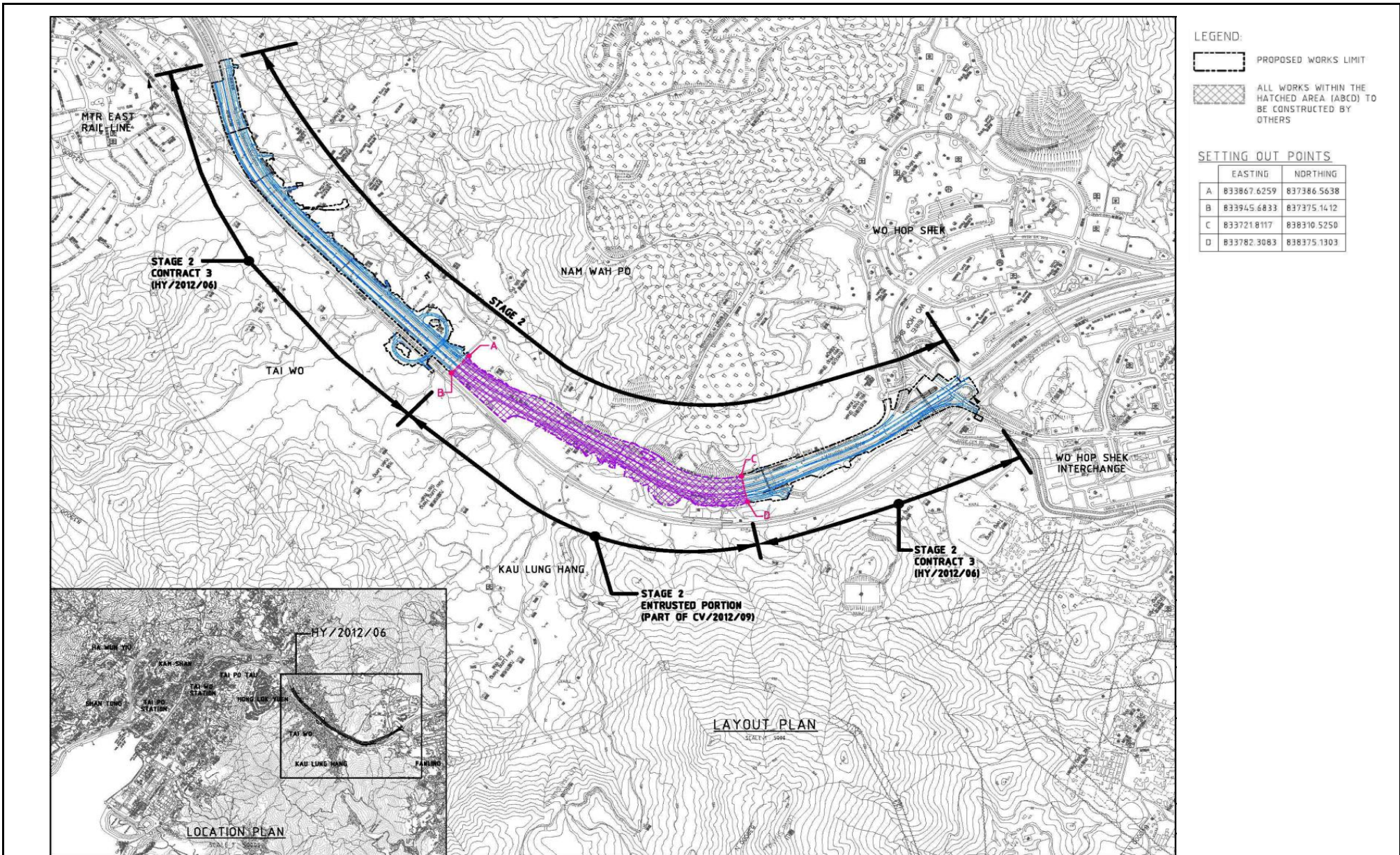
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## FIGURES

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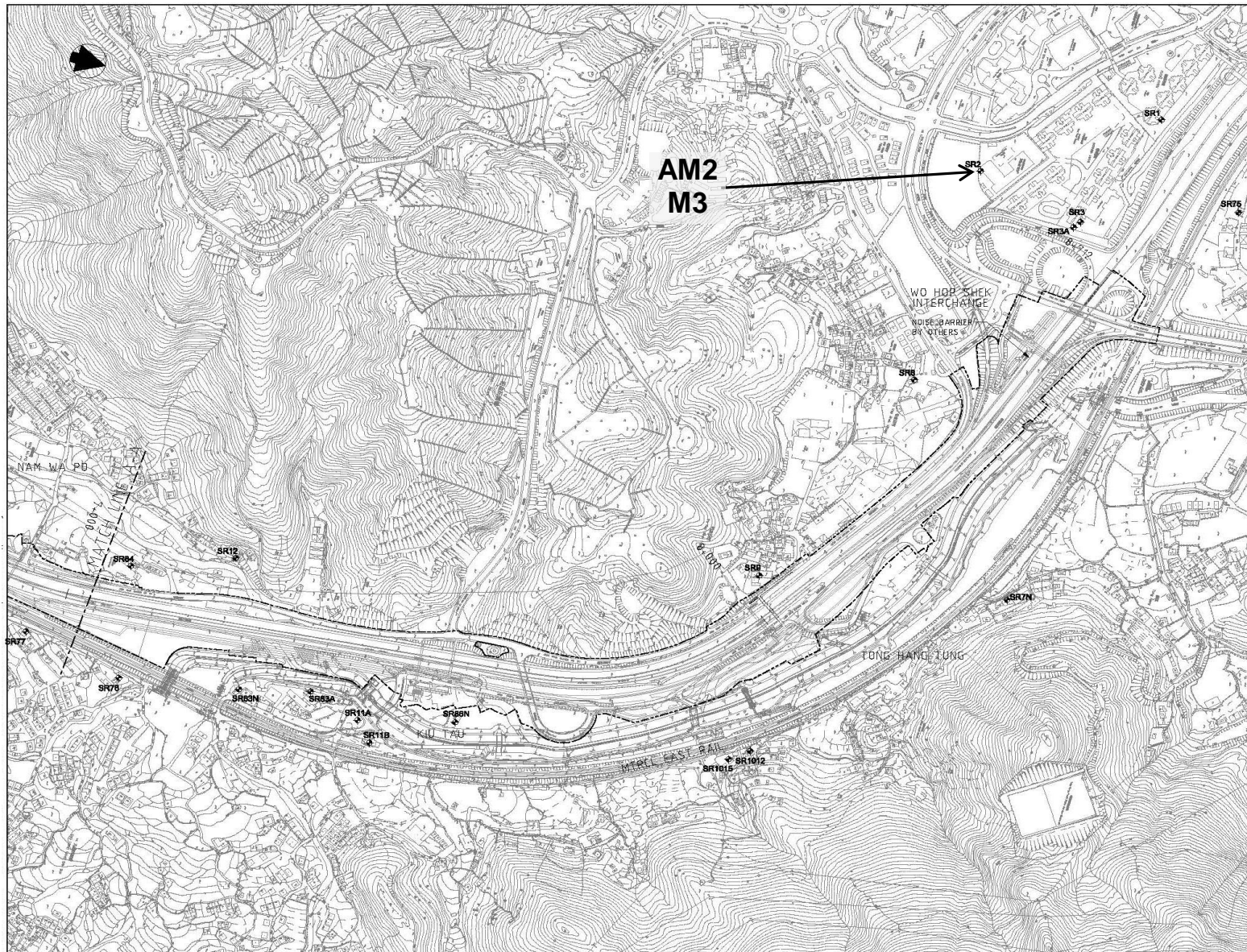
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CONTRACT NO. HY/2012/06  
 WIDENING OF FANLING HIGHWAY  
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Layout Plan





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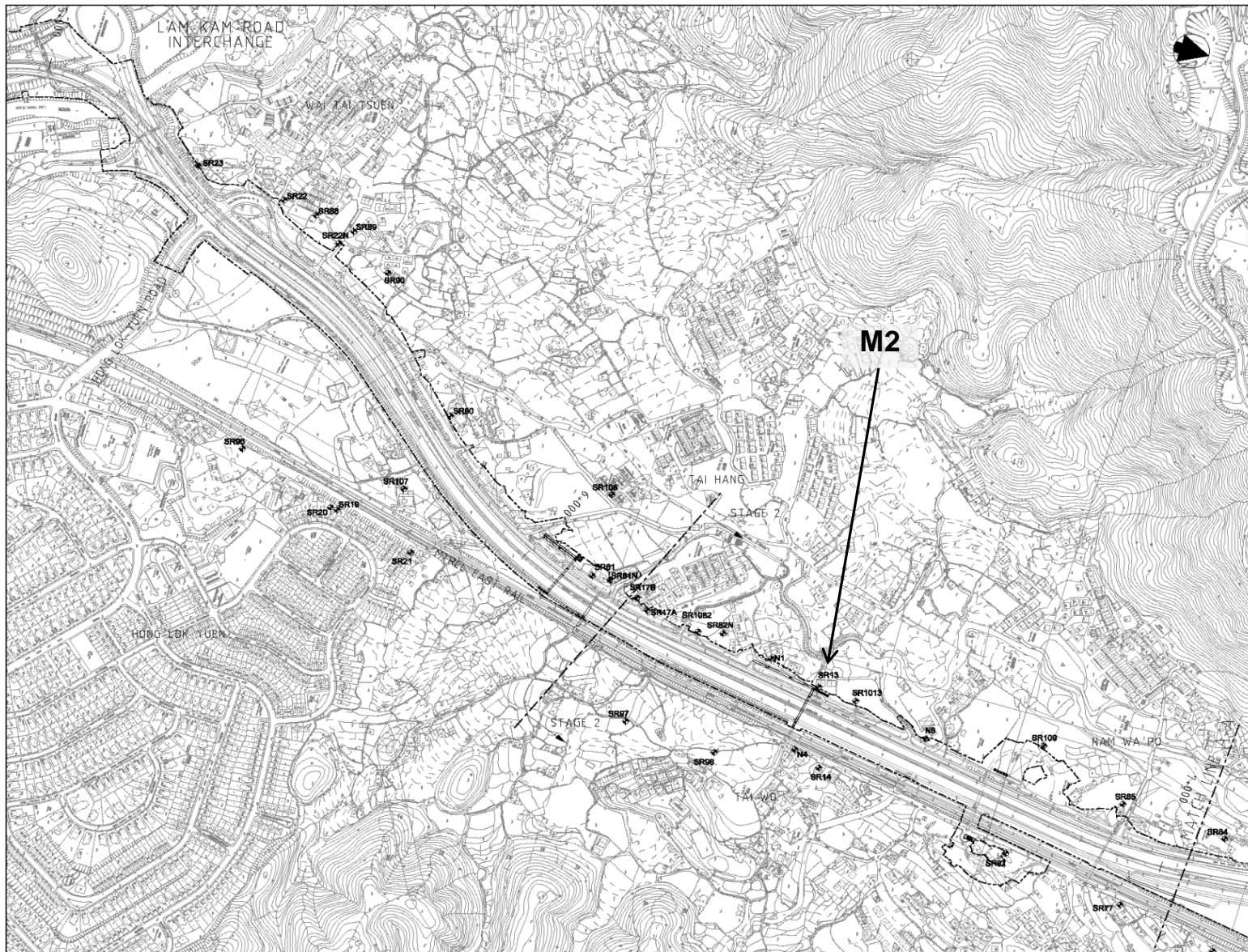
CONTRACT NO. HY/2012/06  
 WIDENING OF FANLING HIGHWAY  
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Locations of Monitoring Station

Date: Dec 2013

Figure 1.2a



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 - TAI HANG TO WO HOP SHEK INTERCHANGE



Locations of Monitoring Station



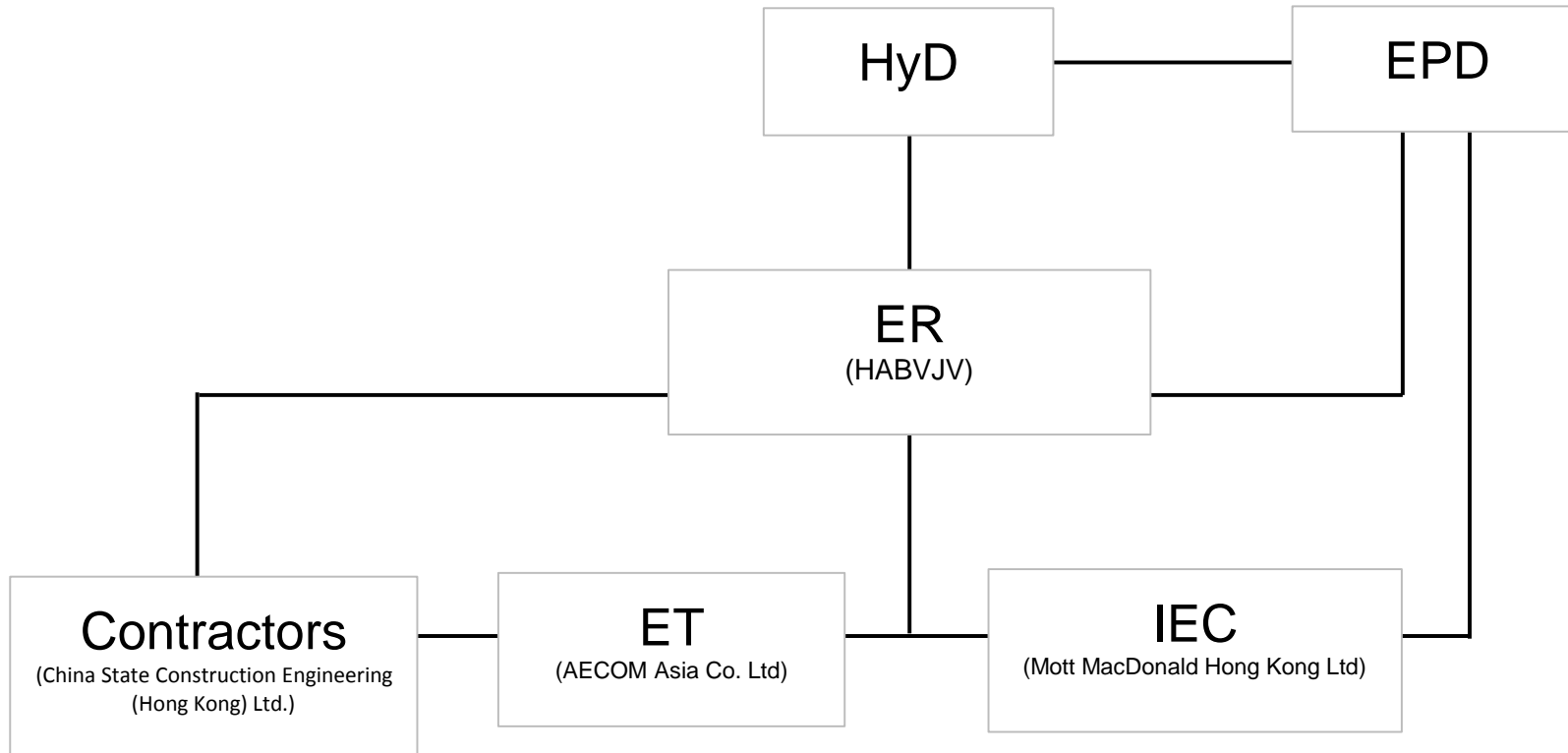
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**APPENDIX A  
PROJECT ORGANIZATION STRUCTURE**

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



Project Organization Structure

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**APPENDIX B  
CONSTRUCTION PROGRAMMES**

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**CONSTRUCTION PROGRAMME OF  
AUGUST 2016**

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Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Aug	Sep	Oct	Nov
<b>Contract Condition</b>											
<b>General</b>											
<b>Contract Condition</b>											
KD15	KD-15 (707d) - N1: Achievement: Demolition of Ho Ka Yuen	0%	0	0		17-Nov-16	-83				17-Nov-16* ◆
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Aug-16		1419				◆ Site Area SA323A (360d) (not required)
POSSA327	Site Area SA327 (180d)	0%	0	0	20-Aug-16*		-597				◆ Site Area SA327 (180d)
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-Aug-16*		-399				◆ Site Area SA327A (730d)
POSSA345	Site Area SA345 (0d)	0%	0	0	20-Aug-16*		-264				◆ Site Area SA345 (0d)
<b>ZONE 1 (Ch. 5640 to 5880)</b>											
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>											
DSD Southern Trunk Sewer, Water Main, Fire Main Works											
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
DSD0090	DSD Truck Sewer Laying complete	0%	0	0	03-Oct-16		1				◆ DSD Truck Sewer Laying complete
DSD0100	DSD Trunk Sewer Laying - overall testing (Zone 1 & Zone 2)	0%	45	45	03-Oct-16	24-Nov-16	1				
<b>NB42 (Ch.5640-5740)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00131	NB42 (Ch5640-5740) - NB panel installation	0%	5	5	20-Aug-16	25-Aug-16	810				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10140	Firemain installation (along NB42)	0%	30	30	20-Aug-16	24-Sep-16	289				
<b>NB42A (Ch.5750-5810)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00210	NB42A (Ch5750-5810) - NB post & panel installation	0%	97	78	06-May-16 A	14-Dec-16	718				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10190	Firemain installation (along NB42A)	0%	20	20	20-Aug-16	12-Sep-16	-80				
<b>NB47B (Ch.5820-5880)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00250	NB47B (Ch5820-5880) - NB post & panel installation	0%	59	59	20-Aug-16	31-Oct-16	756				
<b>Noise Barrier Along Fanling Highway N/B</b>											
<b>Site Clearance &amp; Demolition of Existing Structure</b>											
<b>Underground Utility Works</b>											
ADVZ20180	Utility cable changeover period (NWT)	0%	184	184	01-Nov-16	03-May-17	-183				
ADVZ20182	Additional Utility cable changeover period (PCCW, HCG)	0%	274	274	01-Nov-16	01-Aug-17	-273				
<b>ZONE 2 (Ch. 5880 to 6930)</b>											
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>											
<b>Site Clearance &amp; Demolition of Existing Structure</b>											
<b>Demolition Work</b>											
Z2.P2N.1250	Construction of proposed SHRINE	0%	165	165	20-Aug-16	15-Mar-17	630				
<b>NB47 (Ch.5880-5930)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00290	NB47 (Ch5880-5930) - NB post & panel installation	0%	5	5	20-Aug-16	25-Aug-16	790				
<b>NB47A (Ch.5950-5975)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00350	NB47A - NB post & panel installation	0%	5	5	20-Aug-16	25-Aug-16	790				
<b>Underground Utility Works</b>											
UZZ20110	Utility cable laying by Utility companies (Along NB47A)	80.22%	36	182	13-Jan-16 A	03-Oct-16	-192				
UZZ20240	Utility cable laying by Utility companies (Along NB47A-above)	80.22%	36	182	13-Jan-16 A	03-Oct-16	-192				
<b>NB48 (Ch.5995-6120)-TWSR West Side</b>											
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10440	Firemain installation (along NB48, 0-60m)	0%	104	55	20-Jun-16 A	22-Dec-16	-146				
TSZ10490	Firemain installation (along NB48, 60-110m)	0%	104	51	20-Jun-16 A	22-Dec-16	-146				
<b>Underground Utility Works</b>											
UZZ20120	Utility cable laying by Utility companies (Along NB48, 0-60m)	76.37%	43	182	21-Jan-16 A	12-Oct-16	-199				
<b>NB49 (Ch.6145-6215)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00540	NB49 - NB post & panel installation	0%	5	5	20-Aug-16	25-Aug-16	790				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10530	Watermain installation (along NB49)	8%	46	50	01-Jun-16 A	15-Oct-16	1082				
TSZ10540	Firemain installation (along NB49)	0%	20	20	17-Oct-16	08-Nov-16	1082				
<b>Underground Utility Works</b>											
UZZ20140	Utility cable laying by Utility companies (Along NB49, 0-70m)	76.67%	35	150	03-Feb-16 A	30-Sep-16	-191				
<b>NB49B (Ch.6215-6235)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00590	NB49B - NB production	0%	26	26	20-Aug-16	14-Sep-16	953				
NB00600	NB49B - NB post & panel installation	0%	5	5	15-Sep-16	21-Sep-16	768				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10570	DSD Trunk Sewer laying (along NB49B - ID2-1)	56.6%	23	53	01-Jun-16 A	15-Sep-16	-103				
TSZ10580	Watermain installation (along NB49B)	0%	20	20	17-Sep-16	12-Oct-16	-103				
TSZ10590	Firemain installation (along NB49B)	0%	20	20	13-Oct-16	04-Nov-16	256				
<b>Underground Utility Works</b>											
UZZ20150	Utility cable laying by Utility companies (Along NB49B, 0-16m)	58.93%	23	56	10-Jun-16 A	15-Sep-16	-179				
<b>NB54 (Ch.6240-6280)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											

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**Contract No. HY/2012/06**  
**Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange**  
**3 Month Rolling Program(20-Aug-16)**



Date	Revision	C...	A
13-May-14	WP Rev 1		
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			
								Aug	Sep	Oct	Nov
NB00720	NB54 - NB post & panel installation	0%	5	5	20-Aug-16	25-Aug-16	790				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10630	Watermain installation (along NB54)	55.7%	35	79	20-May-16 A	30-Sep-16	-20				
TSZ10640	Firemain installation (along NB54)	0%	30	30	13-Sep-16	20-Oct-16	-20				
<b>Underground Utility Works</b>											
UUZ20160	Utility cable laying by Utility companies (Along NB54, 0-40m)	84.43%	26	167	21-Jan-16 A	20-Sep-16	-182				
<b>NB54A (Ch.6290-6350)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00770	NB54A - backfilling	0%	12	12	14-Nov-16	26-Nov-16	-67				
NB00780	NB54A - NB production	81.33%	14	75	20-May-16 A	02-Sep-16	965				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10680	Watermain installation (along NB54A)	66.1%	40	118	14-Mar-16 A	07-Oct-16	-67				
TSZ10690	Firemain installation (along NB54A)	0%	30	30	08-Oct-16	12-Nov-16	-67				
<b>Underground Utility Works</b>											
UUZ20170	Utility cable laying by Utility companies (Along NB54A, 0-60m)	19.18%	59	73	05-Jul-16 A	31-Oct-16	-215				
<b>NB57 (Ch.6365-6445)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00860	NB57 - NB post & panel installation	0%	5	5	20-Aug-16	25-Aug-16	790				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10730	Watermain installation (along NB57)	0%	27	27	20-Aug-16	21-Sep-16	-54				
TSZ10740	Firemain installation (along NB57)	0%	30	30	22-Sep-16	28-Oct-16	-54				
TSZ10990	Backfilling for UU and Firemain & Watermain	0%	12	12	29-Oct-16	11-Nov-16	-54				
<b>Underground Utility Works</b>											
UUZ20180	Utility cable laying by Utility companies (Along NB57, 0-80m)	76.03%	35	146	26-Feb-16 A	30-Sep-16	-191				
<b>NB58 (Ch.6445-6480)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00910	NB58 - backfilling	0%	7	7	20-Aug-16	27-Aug-16	-67				
NB00920	NB58 - NB production	57.55%	45	106	20-May-16 A	03-Oct-16	934				
NB00930	NB58 - NB post & panel installation	0%	5	5	04-Oct-16	08-Oct-16	754				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10780	Watermain installation (along NB58)	0%	40	40	29-Aug-16	17-Oct-16	-42				
TSZ10790	Firemain installation (along NB58)	0%	40	40	29-Aug-16	17-Oct-16	-42				
TSZ11010	Backfilling	0%	12	12	11-Oct-16	24-Oct-16	-42				
<b>Underground Utility Works</b>											
UUZ20190	Utility cable laying by Utility companies (Along NB58, 0-45m)	60.67%	35	89	16-May-16 A	30-Sep-16	-191				
<b>NB59 (Ch.6490-6590)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00980	NB59 - backfilling	0%	12	12	03-Oct-16	17-Oct-16	-32				
NB00990	NB59 - NB production	80.26%	15	76	20-May-16 A	03-Sep-16	953				
NB01000	NB59 - NB post & panel installation	0%	12	12	18-Oct-16	31-Oct-16	736				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10830	Watermain installation (along NB59)	91.15%	10	113	11-Apr-16 A	31-Aug-16	-7				
TSZ10840	Firemain installation (along NB59)	88.51%	10	87	20-May-16 A	31-Aug-16	-7				
<b>Underground Utility Works</b>											
UUZ20200	Utility cable laying by Utility companies (Along NB59, 0-95m)	76.51%	35	149	29-Jan-16 A	30-Sep-16	-191				
<b>NB63 (Ch.6610-6700)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB01050	NB63 - NB post & panel installation	0%	5	5	20-Aug-16	25-Aug-16	790				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10340	Firemain installation (along NB63)	0%	30	30	20-Jun-16 A	24-Sep-16	-15				
<b>DSD Southern Trunk Sewer - Trenchless Construction</b>											
TSZ11025	Town gas pipe laying (change of design)	0%	20	20	20-Aug-16	12-Sep-16	16				
<b>Underground Utility Works</b>											
UUZ20230	Utility cable laying by Utility companies (Along NB63-100m)	92.06%	35	441	29-Jan-15 A	30-Sep-16	-191				
<b>Bridge Construction</b>											
<b>New Tai Hang Footbridge</b>											
<b>General</b>											
THBF0350	Steel Staircase & Ramp prefabrication (THFB-TWSR-W)	28.89%	64	90	20-Jul-16 A	05-Nov-16	94				
THBF0360	Steel Staircase & Ramp available on site (THFB-TWSR-W side)	0%	0	0	07-Nov-16		94				◆ Steel Stair
THBF0370	Steel Staircase & Bridge prefabrication (THFB-TWSR-E side)	30%	63	90	20-Jul-16 A	04-Nov-16	95				
THBF0380	Steel Staircase & Bridge available on site (THFB-TWSR-E side)	0%	0	0	05-Nov-16		95				◆ Steel Stairc
THBF0390	Steel Bridge prefabrication (THFB)	54%	23	50	20-Jul-16 A	15-Sep-16	135				
THBF0400	Steel Bridge available on site (THFB)	0%	0	0	17-Sep-16		135				◆ Steel Bridge available on site (THFB)
<b>TWSR-West/ FL Highway N/B Side Section</b>											
THBF0140	THP5 - Pile cap, Pier and Pier Head	91.5%	26	306	31-Oct-15 A	16-Nov-16	85				
THBF0180	THP8, THP9 - Pile cap, Pier and Pier Head	93.47%	26	398	13-Jul-15 A	16-Nov-16	35				
THBF0220	THAB3 - pile cap & abutment wall	57.41%	23	54	15-Jul-16 A	15-Sep-16	35				
THBF0230	THAB3 - Backfilling (~4m)	0%	27	27	17-Sep-16	20-Oct-16	168				
THBF0235	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		16-Nov-16	145				16-Nov-16 ◆ S
THBF0270	THP6, THP7 - Pile cap, Pier and Pier Head	85.71%	40	280	01-Feb-16 A	17-Jan-17	35				
THBF0410	Erect Staircase (THFB-TWSR-W side)	0%	30	30	17-Nov-16	21-Dec-16	145				
<b>TWSR-East FL Highway S/B Side Section</b>											
THBF0470	THAB1 - pile cap & abutment wall	0%	30	30	20-Jul-16 A	24-Sep-16	63				
THBF0480	THAB1 - Backfilling (~3m)	0%	20	20	26-Sep-16	20-Oct-16	63				
THBF0520	THP2 - Pile cap, Pier and Pier Head	0%	45	45	21-Oct-16	12-Dec-16	63				
THBF0730	THP3 - Pile cap, Pier and Pier Head	0%	45	45	15-Oct-16	06-Dec-16	68				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Aug	Sep	Oct	Nov
THBF0770	THP4 - Pile cap, Pier and Pier Head	0%	45	45	20-Jul-16 A	14-Oct-16	68				
<b>Lift at TWSR-W Side</b>											
L1520	Lift shaft & roof	32.69%	35	52	16-Jul-16 A	30-Sep-16	93				
L1530	Structural Laminated glass wall installation	0%	30	30	03-Oct-16	07-Nov-16	135				
L1540	RC Platform connect to bridge	0%	30	30	03-Oct-16	07-Nov-16	93				
L1550	Metal cover on RC platform	0%	30	30	08-Nov-16	12-Dec-16	93				
L1557	Lift submission & ordering period	17.5%	198	240	02-Jul-16 A	27-Apr-17	2				
L1600	CLP Power available (by CLP)	8.49%	334	365	21-Jun-16 A	19-Jul-17	6				
<b>Lift at FLHY S/B</b>											
L1350	Temp work & Pipe cap	62.5%	15	40	20-Jun-16 A	06-Sep-16	7				
L1360	Lift pit	0%	30	30	07-Sep-16	14-Oct-16	7				
L1370	Lift shaft & roof	0%	90	90	15-Oct-16	08-Feb-17	7				
L1450	CLP Power available (by CLP)	0%	365	365	20-Aug-16	19-Aug-17	-23				
<b>New Tai Wo Footbridge</b>											
<b>General</b>											
TWFB1050	Steel Staircase & Ramp prefabrication (TWFB-TWSR-W)	0%	60	60	15-Aug-16 A	01-Nov-16	50				
TWFB1060	Steel Staircase & Ramp available on site (TWFB-TWSR-W side)	0%	0	0	02-Nov-16		50				◆ Steel Staircase
TWFB1090	Steel Bridge prefabrication (TWFB)	0%	60	60	15-Aug-16 A	01-Nov-16	615				
TWFB1100	Steel Bridge available on site (TWFB)	0%	0	0	02-Nov-16		615				◆ Steel Bridge a
<b>TWSR-West/ FL Highway N/B Side Section</b>											
TWFB1160	TWP1 - Pile cap, Pier and Pier Head	73.19%	37	138	18-Feb-16 A	04-Oct-16	103				
TWFB1240	TWAB2 - pile cap & abutment wall	0%	37	30	20-Jul-16 A	04-Oct-16	641				
TWFB1250	TWAB2 - Backfilling (~4m)	0%	27	27	05-Oct-16	05-Nov-16	641				
TWFB1260	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		05-Nov-16	641				05-Nov-16 ◆ Steel Stairc
TWFB1300	TWP4, TWP5 - Pile cap, Pier and Pier Head	78.51%	49	228	16-Nov-15 A	19-Oct-16	61				
TWFB1340	TWAB1 - pile cap & abutment wall	97.13%	7	244	22-Oct-15 A	27-Aug-16	83				
TWFB1350	TWAB1 - Backfilling (~3m)	0%	20	20	29-Aug-16	21-Sep-16	83				
TWFB1360	Steel Ramp ready for erection (TWFB-TWSR-W side)	0%	0	0		19-Oct-16	61				19-Oct-16 ◆ Steel Ramp ready for erect
TWFB1370	Erect Staircase (TWFB-TWSR-W side)	0%	60	60	07-Nov-16	18-Jan-17	641				
TWFB1380	Erect Ramp	0%	60	60	02-Nov-16	13-Jan-17	50				
<b>Crossing Fanling Highway Section</b>											
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				
TWFB1430	TWP2 - Pile Test	0%	28	28	26-Oct-16	22-Nov-16	-19				
TWFB1440	TWP2 - Pile cap	0%	45	45	09-Nov-16	03-Jan-17	-16				
<b>Lift at TWSR-W Side</b>											
L1670	Lift shaft & roof	31.58%	52	76	21-Jun-16 A	22-Oct-16	563				
L1680	Structural Laminated glass wall installation	0%	30	30	24-Oct-16	26-Nov-16	610				
L1690	RC Link slab connect to bridge	0%	30	30	24-Oct-16	26-Nov-16	563				
L1730	Lift submission & ordering period	15.56%	228	270	02-Jul-16 A	05-Jun-17	464				
L1780	CLP Power available (by CLP)	0%	365	365	20-Aug-16	19-Aug-17	577				
<b>Temporary Tai Wo Footbridge</b>											
<b>Design Works</b>											
TWFB-T1030	Design amendment	0%	26	26	19-Aug-16 A	20-Sep-16	44				
TWFB-T1040	Design Available	0%	0	0		20-Sep-16	44				20-Sep-16 ◆ Design Available
<b>Construction Works</b>											
TWFB-T1205	Erect Temp Column at FLHY N/B (besides TW-P2)	0%	100	100	26-Oct-16	02-Mar-17	16				
TWFB-T1208	Erect Temp Column & link bridge to existing bridge at FLHY S/B	0%	150	150	21-Sep-16	28-Mar-17	108				
<b>Demolition of Existing Tai Wo Footbridge</b>											
<b>TWSR-West/ FL Highway N/B Side Section</b>											
TWFB-T1135	Demolish existing TWFB across TWSR-W	0%	25	25	25-Oct-16	22-Nov-16	-42				
TWFB-T1230	Watermain & Firemain at NB58 & backfill	0%	46	46	29-Aug-16	24-Oct-16	-42				
<b>Noise Barrier Along Fanling Highway S/B</b>											
<b>NB51 (Ch.5935-6055)-FH S/B Side</b>											
<b>Noise Barrier Works</b>											
NB02280	NB51 ID1-3 (0-25m) - Footing & Wall Structure	0%	90	90	20-Aug-16	06-Dec-16	317				
<b>NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02430	Precautionary Measure installation	0%	26	26	20-Aug-16	20-Sep-16	502				
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	21-Sep-16	22-Oct-16	502				
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	24-Oct-16	04-Jan-17	502				
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	05-Oct-16	17-Oct-16	585				
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rias	0%	27	27	18-Oct-16	17-Nov-16	585				
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	18-Nov-16	12-Dec-16	585				
NB02590	NB53 (125-180m) - NB production	81.33%	14	75	20-May-16 A	02-Sep-16	965				
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	03-Sep-16	08-Sep-16	778				
<b>NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02640	NB55 - Footing & Wall Structure	95.36%	24	517	07-Nov-14 A	17-Sep-16	585				
NB02650	NB55- backfilling	0%	50	50	19-Sep-16	17-Nov-16	585				
NB02660	NB55 - NB production	82.38%	40	227	15-Jan-16 A	28-Sep-16	939				
NB02670	NB55 - NB post & panel installation	0%	5	5	18-Nov-16	23-Nov-16	716				
<b>NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											



Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Aug	Sep	Oct	Nov
NB02730	NB56 - NB production	91.52%	14	165	20-Feb-16 A	02-Sep-16	965				
NB02740	NB56 - NB post & panel installation	0%	5	5	03-Sep-16	08-Sep-16	778				
<b>NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02770	NB61 (0-50m) - Sheet piling & Excavation	0%	18	18	20-Aug-16	09-Sep-16	677				
NB02780	NB61 (0-50m) - Footing & Wall Structure	0%	50	50	10-Sep-16	10-Nov-16	677				
NB02790	NB61 (0-50m)- backfilling	0%	50	50	11-Nov-16	11-Jan-17	677				
NB02800	NB61 (0-50m) - NB production	0%	45	45	11-Nov-16	25-Dec-16	851				
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Aug-16	03-Oct-16	934				
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	04-Oct-16	08-Oct-16	754				
<b>NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB02920	NB61A (0-50m) - NB production	90.96%	15	166	20-Feb-16 A	03-Sep-16	964				
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	05-Sep-16	09-Sep-16	777				
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	92.21%	32	411	01-Apr-15 A	27-Sep-16	723				
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	28-Sep-16	22-Oct-16	738				
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	28-Sep-16	11-Nov-16	895				
NB03000	NB61A ID2-3 (50-75m) - NB post & panel installation	0%	5	5	12-Nov-16	17-Nov-16	721				
NB03040	NB61A (75-190m) - NB production	90.96%	15	166	20-Feb-16 A	03-Sep-16	964				
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	05-Sep-16	09-Sep-16	777				
<b>Other Works</b>											
<b>Site Clearance &amp; Demolition of Existing Structure</b>											
<b>Contract Condition</b>											
MCLT1050	Apply cert for exemption by DLO by Engineer	0%	0	0	20-Aug-16	20-Aug-16	1148				
MCLT1090	New MCLT - finishes works	51.02%	48	98	20-May-16 A	18-Oct-16	62				
MCLT1100	New MCLT completion	0%	0	0		18-Oct-16*	62				18-Oct-16* ♦ New MCLT completion
<b>TCSS Works</b>											
<b>G54</b>											
TCSS1500	Slow lane footing - G54 (NB61)	0%	0	0		20-Aug-16	645				20-Aug-16 ♦ Slow lane footing - G54 (NB61)
<b>South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)</b>											
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>											
<b>NB63A (Ch.6710-6840)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB01090	NB63A-1 - NB production	81.33%	14	75	20-May-16 A	02-Sep-16	361				
NB01100	NB63A-1 - NB post & panel installation	0%	5	5	03-Sep-16	08-Sep-16	288				
NB01150	NB63A-2 - NB post & panel installation	0%	5	5	20-Aug-16	25-Aug-16	300				
NB01170	NB63A-3 - Footing & Wall Structure (ch24.2-86.9) - 5 bays	86.59%	22	164	18-Jan-16 A	14-Sep-16	1126				
NB01190	NB63A-3 - NB production	63.51%	27	74	03-Jun-16 A	15-Sep-16	348				
NB01200	NB63A-3 - NB post & panel installation	0%	5	5	17-Sep-16	22-Sep-16	277				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10860	DSD Trunk Sewer laying (along NB63A)	69.3%	35	114	14-Mar-16 A	30-Sep-16	1				
TSZ10880	Watermain installation (along NB63A)	0%	30	30	03-Oct-16	07-Nov-16	1068				
TSZ10890	Firemain installation (along NB63A)	0%	30	30	21-Oct-16	24-Nov-16	1068				
<b>Underground Utility Works</b>											
UZZ20210	Utility cable laying by Utility companies (Along NB63A, 125m)	73.68%	35	133	18-Mar-16 A	30-Sep-16	-191				
<b>NB64 &amp; NB64A (Ch.6860-6920)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB001040	NB64 & NB64A -backfilling	0%	12	12	01-Nov-16	14-Nov-16	-41				
NB001060	NB64 & NB64A -NB post & panel installation	76.69%	31	133	14-Mar-16 A	26-Sep-16	274				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10910	DSD Trunk Sewer laying (along NB64)	74.75%	25	99	20-Apr-16 A	19-Sep-16	-41				
TSZ10920	Backfill up to NB64 footing level	0%	6	6	20-Sep-16	26-Sep-16	-41				
TSZ10930	Watermain installation (along NB64)	0%	30	30	27-Sep-16	02-Nov-16	-41				
TSZ10940	Firemain installation (along NB64)	0%	30	30	27-Sep-16	02-Nov-16	-41				
<b>Underground Utility Works</b>											
UZZ20220	Utility cable laying by Utility companies (Along NB64, 60m)	76.51%	35	149	29-Feb-16 A	30-Sep-16	-191				
<b>Bridge Construction</b>											
<b>Kau Lung Hang Vehicular Bridge</b>											
<b>Target Milestone</b>											
MS06	Commissioning of Kau Lung Hang Vehicular Bridge to enable	0%	0	0		20-Aug-16	-10				20-Aug-16* ♦ Commissioning of Kau Lung Hang Vehicular Bridge to enable demolition of Kiu T
<b>KLH Bridge - West Ramp</b>											
KLH.1290	West Ramp - Planting	0%	21	21	20-Aug-16	13-Sep-16	804				
KLH.1300	West Ramp Complete	0%	0	0		20-Aug-16	111				20-Aug-16 ♦ West Ramp Complete
<b>KLH Bridge - Deck 1</b>											
KLH.3430	Deck 1 - Planting	0%	21	21	20-Aug-16	13-Sep-16	804				
KLH.3630	Pedestrian walkway Roof & Parapet P2 to P3	0%	30	30	20-Aug-16	24-Sep-16	67				
KLH.3640	Pedestrian walkway floor finishes P2 to P3	0%	14	14	26-Sep-16	13-Oct-16	67				
<b>KLH Bridge - Deck 2</b>											
KLH.3160	Pedestrian walkway Roof & Parapet P5-P6	0%	30	30	20-Aug-16	24-Sep-16	71				
KLH.3170	Pedestrian walkway floor finishes P5-P6	0%	14	14	21-Sep-16	07-Oct-16	71				
KLH.3260	Pedestrian walkway Roof & Parapet P4 to P5	0%	30	30	20-Aug-16	24-Sep-16	67				
KLH.3270	Pedestrian walkway floor finishes P4 to P5	0%	14	14	26-Sep-16	13-Oct-16	67				
KLH.3360	Pedestrian walkway Roof & Parapet P3 to P4	0%	30	30	20-Aug-16	24-Sep-16	67				
KLH.3370	Pedestrian walkway floor finishes P3 to P4	0%	14	14	26-Sep-16	13-Oct-16	67				
<b>KLH Bridge - Deck 3</b>											



Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Aug	Sep	Oct	Nov
KLH.3500	Deck 3 - Planting	0%	21	21	20-Aug-16	13-Sep-16	804				
KLH.3650	Pedestrian walkway Roof & Parapet P6 to P7	0%	30	30	20-Aug-16	24-Sep-16	67				
KLH.3660	Pedestrian walkway floor finishes P6 to P7	0%	14	14	26-Sep-16	13-Oct-16	67				
<b>KLH Bridge - East Ramp</b>											
KLH.3590	East Ramp - Planting	0%	21	21	20-Aug-16	13-Sep-16	804				
<b>KLH Bridge - Ramp R1</b>											
Z2.KLH.1670	Ramp R1 - Pile caps and pier construction (R1P3)	47.5%	21	40	08-Aug-16 A	13-Sep-16	24				
Z2.KLH.1680	Ramp R1 - Ramp construction (Abutment R1 to R1P1)	0%	40	40	20-Aug-16	07-Oct-16	71				
Z2.KLH.1685	Ramp R1 - Ramp construction (R1P1 to P1P3)	0%	40	40	14-Sep-16	02-Nov-16	24				
Z2.KLH.1710	Ramp R1 - Abutment R1 - base slab & wall	89.58%	35	336	22-Jun-15 A	30-Sep-16	16				
Z2.KLH.1720	Ramp R1 - Abutment R1 - Top slab	0%	30	30	03-Oct-16	07-Nov-16	16				
Z2.KLH.1730	Ramp R1 - Abutment R1 - Staircase	0%	30	30	08-Nov-16	12-Dec-16	16				
Z2.KLH.3610	Ramp R1 - Steel roof	0%	40	40	03-Oct-16	18-Nov-16	24				
Z2.KLH.3620	Ramp R1 - finishes work	0%	30	30	29-Oct-16	02-Dec-16	24				
<b>KLH Bridge - Ramp R2</b>											
Z2.KLH.1523	VO 028 - Boundary Wall to Hse 190B structure	0%	24	24	20-Aug-16*	17-Sep-16	745				
Z2.KLH.1524	VO 028 - Boundary Wall to Hse 190B E&M, Drainage	0%	26	26	19-Sep-16	20-Oct-16	745				
Z2.KLH.1530	Ramp R2 - Pile cap, abutment and pier construction	61.54%	85	221	20-Nov-15 A	30-Nov-16	0				
Z2.KLH.1540	Ramp R2 - Ramp construction	0%	45	45	24-Oct-16	14-Dec-16	0				
Z2.KLH.1545	Ramp R2 - Ramp construction (section after VBP6-7 deck)	0%	35	35	04-Nov-16	14-Dec-16	0				
Z2.KLH.1550	Ramp R2 - Steel roof	0%	40	40	12-Nov-16	30-Dec-16	0				
<b>Bridge Road Work</b>											
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	20-Aug-16	13-Jan-17	675				
<b>Lift at TWSR-W Side</b>											
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	519				
L01040	Temp work & Pile cap	0%	45	45	04-Oct-16	25-Nov-16	519				
L01094	Lift submission & ordering period	6.3%	253	270	01-Aug-16 A	05-Jul-17	453				
L01140	CLP Power available (by CLP)	33.5%	274	412	04-Apr-16 A	20-May-17	685				
<b>Lift at FLHY S/B</b>											
L01180	Earliest date for lift construction resume	0%	0	0	12-Nov-16		441				◆ Earliest
L01190	Set up & Pile test	0%	30	30	12-Nov-16	16-Dec-16	441				
L01300	CLP Power available (by CLP)	25.97%	305	412	04-Apr-16 A	20-Jun-17	660				
<b>Demolition of Existing Nam Wa Po Footbridge</b>											
<b>Demolition Work</b>											
Z2.NWP.1060	Temporary support installation at existing Fanling Highway	0%	65	65	18-Oct-16	04-Jan-17	0				
<b>TWSR-West Construction</b>											
<b>Drainage &amp; Road Works</b>											
<b>General</b>											
CW01	1st interface connection to CW at S/B	0%	0	0		15-Nov-16	0				15-Nov-16* ◆ 1st
<b>Noise Barrier Along Fanling Highway S/B</b>											
<b>NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB03080	NB62 (0-80m) - Sheet piling & Excavation	0%	18	18	26-Sep-16	18-Oct-16	-41				
NB03090	NB62 (0-80m) - Footing & Wall Structure	0%	45	45	19-Oct-16	09-Dec-16	-41				
NB03130	NB62 (80-110m) Under bridge - Sheet piling & Excavation	0%	12	12	10-Sep-16	24-Sep-16	-41				
NB03140	NB62 (80-110m) Under bridge - Footing & Wall Structure	0%	25	25	26-Sep-16	26-Oct-16	3				
NB03150	NB62 (80-110m) Under bridge - backfilling	0%	14	14	27-Oct-16	11-Nov-16	3				
NB03160	NB62 (80-110m) Under bridge - NB production	0%	45	45	27-Oct-16	10-Dec-16	866				
NB03180	NB62 (110-170m) - Sheet piling & Excavation	0%	18	18	20-Aug-16	09-Sep-16	-41				
NB03190	NB62 (110-170m) - Footing & Wall Structure	0%	60	60	10-Sep-16	22-Nov-16	-26				
<b>NB70 (Ch.6910-6930)-FH S/B Side</b>											
<b>Noise Barrier Works</b>											
NB03260	NB70 - Footing & Wall Structure	82.76%	10	58	11-Jun-16 A	31-Aug-16	745				
NB03270	NB70- backfilling	0%	12	12	19-Aug-16 A	02-Sep-16	60				
NB03280	NB70 - NB production	0%	45	45	01-Sep-16	15-Oct-16	922				
NB03290	NB70- NB post & panel installation	0%	5	5	17-Oct-16	21-Oct-16	744				
<b>North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)</b>											
<b>Bridge Construction</b>											
<b>New Ho Ka Yuen Footbridge</b>											
<b>General</b>											
HKY1070	Steel Staircase & Ramp available on site (HKYB-TWSR-W side)	0%	0	0	20-Aug-16		-68				◆ Steel Staircase & Ramp available on site (HKYB-TWSR-W side)
HKY1180	Ho Ka Yuen Footbridge Complete	0%	0	0		07-Oct-16	-68				07-Oct-16 ◆ Ho Ka Yuen Footbridge Complete
HKY1190	Existing Ho Ka Yuen Footbridge Demolished	0%	0	0		17-Nov-16	-68				17-Nov-16 ◆
<b>TWSR-West/ FL Highway N/B Side Section</b>											
HKY1250	HKYAB3 - pile cap & abutment wall	0%	30	30	20-Aug-16	24-Sep-16	755				
HKY1260	HKYAB3 - Backfilling (~4m)	0%	12	12	26-Sep-16	11-Oct-16	755				
HKY1270	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		11-Oct-16	755				11-Oct-16 ◆ Steel Staircase ready for erection
HKY1273	Erect Staircase (HKY-TWSR-W side)	0%	30	30	12-Oct-16	15-Nov-16	755				
HKY1370	Steel Ramp ready for erection (HKY-TWSR-W side)	0%	0	0		20-Aug-16	-68				20-Aug-16 ◆ Steel Ramp ready for erection (HKY-TWSR-W side)
HKY1390	Erect Ramp (HKY-TWSR-W)	0%	26	26	20-Aug-16	20-Sep-16	-68				
HKY1400	Finishes Work	0%	26	26	06-Sep-16	07-Oct-16	-68				
HKY1410	Bridge Structure complete (HKY-TWSR-W side)	0%	0	0		07-Oct-16	-68				07-Oct-16 ◆ Bridge Structure complete (HKY-TWSR-W side)

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016					
								Aug	Sep	Oct	Nov		
<b>Crossing Fanling Highway Section</b>													
HKY1416	TTA Stage 4 start	0%	0	0	19-Sep-16		1124						
HKY1470	Finishes Work	0%	12	12	20-Aug-16	02-Sep-16	-40						
HKY1480	Bridge Structure complete (THFB-Cross fanling highway)	0%	0	0		02-Sep-16	-40						
<b>TWSR-East FL Highway S/B Side Section</b>													
HKY1600	Finishes Work	0%	30	30	20-Aug-16	24-Sep-16	-58						
HKY1610	Bridge Structure complete (HKYFB-TWSR-E side)	0%	0	0		24-Sep-16	-58						
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	0%	30	30	20-Aug-16	24-Sep-16	-58						
<b>Demolition of Existing Ho Ka Yuen Footbridge</b>													
<b>Crossing Fanling Highway Section</b>													
HKY1680	Erect Temp platform for bridge demolition	0%	30	30	01-Sep-16	07-Oct-16	-64						
HKY1690	Demolish existing HKY Footbridge	0%	30	30	08-Oct-16	12-Nov-16	-64						
HKY1700	Removal of temporary platform	0%	30	30	14-Nov-16	17-Dec-16	707						
<b>TWSR-East FL Highway S/B Side Section</b>													
HKY1670	Demolish existing HKY footbridge (TWSR-E side)	0%	30	30	14-Oct-16	17-Nov-16	-68						
<b>Other Works</b>													
<b>Slope Works</b>													
<b>TWSR-East FL Highway S/B Side Section</b>													
S1000	Slope S51-Fill -3m	0%	40	40	18-Nov-16	06-Jan-17	587						
<b>ZONE 4 (Ch. 7925 to 8700)</b>													
<b>Noise Barrier Along Fanling Highway N/B</b>													
<b>NB75 (Ch.7930-8090)-FH N/B Side</b>													
<b>Noise Barrier Works</b>													
NB4040	NB75 -Pre-drilling (Ch7930-7990)	0%	24	24	05-Nov-16	02-Dec-16	75						
NB4160	NB75 -Pre-drilling (Ch8000-8050)	0%	48	48	19-Nov-16	17-Jan-17	87						
<b>NB77 (Ch.8090-8450)-FH N/B Side</b>													
<b>Noise Barrier Works</b>													
NB4285	TTA for FH N/B (Stage 6) start	0%	0	0	14-Oct-16		31						
NB4290	NB77 -Pre-drilling (Ch8090-8190)	0%	24	24	21-Oct-16	17-Nov-16	25						
NB4300	NB77 - piling (NB77/01-08, 0.19m -34no)	0%	68	68	07-Nov-16	27-Jan-17	25						
NB4350	NB77 -Pre-drilling (Ch8190-8290)	0%	72	72	21-Oct-16	16-Jan-17	45						
NB4410	NB77 -Pre-drilling (Ch8290-8390)	0%	60	60	18-Nov-16	07-Feb-17	39						
<b>Bridge Construction</b>													
<b>New Wo Hop Shek Pedstrian &amp; Cycle Bridge</b>													
<b>General</b>													
WHS1120	Diversion of existing pedestrian from existing to proposed footbridge	0%	1	1	26-Sep-16	26-Sep-16	9						
<b>TWSR-West/ FL Highway N/B Side Section</b>													
WHS1300	Existing WHS bridge structure removed	0%	0	0		11-Nov-16	-37						
WHS1350	WHSAB2 - Predrilling (VO018)	0%	24	24	12-Nov-16	09-Dec-16	-37						
WHS1990	Erect 1st half ramp	90.43%	9	94	10-May-16 A	05-Sep-16	-37						
WHS2000	Erect temp pedestrian ramp besides 1st half ramp	46.67%	24	45	27-Jul-16 A	23-Sep-16	-37						
WHS2010	Erect temp access between existing bridge to 1st half ramp	46.67%	24	45	27-Jul-16 A	23-Sep-16	-37						
WHS2020	Diverse pedestrian from existing ramp to new ramp	0%	0	0		23-Sep-16	-37						
<b>Crossing Fanling Highway Section</b>													
WHS1490	Finishes Work	0%	30	30	20-Aug-16	24-Sep-16	9						
WHS1500	Bridge Structure complete (WHSB-Cross fanling highway)	0%	0	0		24-Sep-16	9						
<b>Demolition of Existing Wo Hop Shek Pedstrian &amp; Cycle Bridge</b>													
<b>TWSR-West/ FL Highway N/B Side Section</b>													
WHS1870	Install Temp support to remove existing ramp	0%	20	20	24-Sep-16	19-Oct-16	-37						
WHS1880	Remove existing ramp for 2nd half new ramp construction	0%	20	20	20-Oct-16	11-Nov-16	-37						
WHS1890	Demolish existing WHS footbridge (TWSR-W side)	0%	30	30	27-Sep-16	02-Nov-16	570						
WHS2030	Remove temp filled platform	0%	30	30	03-Nov-16	07-Dec-16	570						
<b>Crossing Fanling Highway Section</b>													
WHS1790	Erect Temp platform for bridge demolition	0%	60	60	20-Aug-16	01-Nov-16	461						
WHS1800	Demolish existing WHS Footbridge	0%	60	60	02-Nov-16	13-Jan-17	461						
<b>TWSR-East FL Highway S/B Side Section</b>													
WHS1840	Demolish existing WHS Footbridge abutment wall at W77A	0%	40	40	27-Sep-16	14-Nov-16	9						
<b>Slip Road Y Construction</b>													
<b>Drainage &amp; Road Works</b>													
<b>TWSR-East FL Highway S/B Side Section</b>													
RDZ41085	Construct Slip Rd Y (Ch7925-8050)(SA346) - remaining	0%	150	150	18-Nov-16	31-May-17	271						
<b>Underground Utility Works</b>													
<b>DN600 and DN900 Watermain</b>													
DN1060	Watermain (DN600) changeover for TTA stage 4	0%	6	6	20-Aug-16	26-Aug-16	37						
<b>VO - Wall 76A Construction</b>													
<b>Retaining Wall W76A</b>													
<b>TWSR-East FL Highway S/B Side Section</b>													
W76A1050	Drainage work for Caltex access road	0%	150	150	20-Aug-16	25-Feb-17	527						
<b>Fanling Highway Construction</b>													
<b>Drainage &amp; Road Works</b>													
<b>TWSR-East FL Highway S/B Side Section</b>													
RDZ41025	Construct FH S/B Lane 1,2 @ existing TWSR-E junction	90.16%	18	183	18-Dec-15 A	09-Sep-16	25						
RDZ41050	Traffic Diversion for FH S/B road construction (Z4 TTA-Stage 4)	0%	6	6	10-Sep-16	17-Sep-16	25						
RDZ41086	Construct FH S/B Lane 1 & 2 (Ch7925-8000)(SA346) (after HKY)	0%	145	145	18-Nov-16	24-May-17	265						
RDZ41090	Remove FH central barrier	0%	20	20	19-Sep-16	13-Oct-16	25						
RDZ41100	TTA for FH N/B Lane 1, 2, 3 construction (Ch7925-8600)(SA340)	0%	6	6	14-Oct-16	20-Oct-16	25						
RDZ41114	Construct FH N/B Lane 3 (Ch7925-8600)	0%	68	68	21-Oct-16	11-Jan-17	174						

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Aug	Sep	Oct	Nov
<b>Other Works</b>											
<b>Retaining Wall W77A</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RWZ4.1075	Temp Shoring & Excavation	0%	45	45	15-Nov-16	09-Jan-17	9				
<b>Retaining Wall W77B</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RWZ4.1100	Base slab & Wall (0-3m high)- RW77B (Ch 0-40)	65.7%	59	172	01-Mar-16 A	31-Oct-16	66				
RWZ4.1110	Backfilling (0-3m) - RW77B (Ch 0-40)	0%	30	30	01-Nov-16	05-Dec-16	96				
RWZ4.1115	Temp Shoring & Excavation	0%	45	45	15-Nov-16	09-Jan-17	9				
<b>TCSS Works</b>											
<b>TCSS Pre-Construction Works</b>											
TCSS0120	Prepare Shop Drawing-TCSS	0%	45	45	20-Aug-16	14-Oct-16	176				
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	15-Oct-16	04-Nov-16	224				
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	05-Nov-16	25-Nov-16	175				
<b>G35</b>											
TCSS1550	Slip road island footing - G35 (CH8410. N/B)	0%	30	30	21-Oct-16	24-Nov-16	385				
<b>FVMS2 (Deleted by RFI-138, Pending for VO)</b>											
TCSS1640	Slow lane footing - FVMS2 (CH8400. S/B)- Deleted by RFI-138	0%	30	30	19-Sep-16	25-Oct-16	531				

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**CONSTRUCTION PROGRAMME OF  
SEPTEMBER 2016**

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Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Sep	Oct	Nov	Dec
<b>Contract Condition</b>											
<b>General</b>											
<b>Contract Condition</b>											
KD15	KD-15 (707d) - N1:Achievement: Demolition of Ho Ka Yuen	0%	0	0		18-Oct-16*	-53				18-Oct-16* ◆ KD-15 (707d) - N1:Achievement: Demolition of Ho Ka Yuen
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Sep-16		1388				◆ Site Area SA323A (360d) (not required)
POSSA327	Site Area SA327 (180d)	0%	0	0	20-Sep-16*		-628				◆ Site Area SA327 (180d)
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-Sep-16*		-430				◆ Site Area SA327A (730d)
POSSA345	Site Area SA345 (0d)	0%	0	0	20-Sep-16*		-295				◆ Site Area SA345 (0d)
<b>ZONE 1 (Ch. 5640 to 5880)</b>											
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>											
DSD Southern Trunk Sewer, Water Main, Fire Main Works											
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
DSD0090	DSD Truck Sewer Laying complete	0%	0	0	01-Nov-16		2				◆ DSD Truck Sewer Laying complete
DSD0100	DSD Trunk Sewer Laying - overall testing (Zone 1 & Zone 2)	0%	20	20	01-Nov-16	23-Nov-16	2				
DSD0110	DSD Trunk Sewer Laying - overall inspection	0%	18	18	24-Nov-16	14-Dec-16	2				
DSD0120	DSD Trunk Sewer Laying - overall rectification	0%	12	12	15-Dec-16	30-Dec-16	2				
<b>NB42 (Ch.5640-5740)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00131	NB42 (Ch5640-5740) - NB panel installation	0%	5	5	20-Sep-16	24-Sep-16	785				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10140	Firemain installation (along NB42)	16.67%	25	30	20-Aug-16 A	20-Oct-16	269				
<b>NB42A (Ch.5750-5810)-TWSR West Side</b>											
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10190	Firemain installation (along NB42A)	50%	10	20	20-Aug-16 A	30-Sep-16	-95				
<b>NB47B (Ch.5820-5880)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00250	NB47B (Ch5820-5880)- NB post installation	83.05%	10	59	20-Aug-16 A	30-Sep-16	780				
<b>Noise Barrier Along Fanling Highway N/B</b>											
Site Clearance & Demolition of Existing Structure											
<b>Underground Utility Works</b>											
ADVZ20175	All UU and backfill along TWSR-W complete	0%	0	0		02-Dec-16	-175				02-Dec-16 ◆ All UU and backfill
ADVZ20180	Utility cable changeover period (NWT)	0%	184	184	02-Nov-16	04-May-17	-184				
ADVZ20182	Additional Utility cable changeover period (PCCW, HCG)	0%	274	274	02-Nov-16	02-Aug-17	-274				
<b>TWSR-West Construction</b>											
Drainage & Road Works											
<b>Ch 5640-5880</b>											
RDZ10090	Z1: New Tai Wo Service Road West - Drainage & Road works (2 lanes)	0%	176	176	02-Dec-16	15-Jul-17	-123				
<b>ZONE 2 (Ch. 5880 to 6930)</b>											
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>											
<b>NB47 (Ch.5880-5930)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00290	NB47 (Ch5880-5930)- NB post installation	0%	16	16	20-Sep-16	08-Oct-16	754				
<b>NB48 (Ch.5995-6120)-TWSR West Side</b>											
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10440	Firemain installation (along NB48, 0-60m)	49.36%	79	156	20-Jun-16 A	22-Dec-16	-146				
TSZ10490	Firemain installation (along NB48, 60-110m)	49.36%	79	156	20-Jun-16 A	22-Dec-16	-146				
<b>Underground Utility Works</b>											
UZZ20120	Utility cable laying by Utility companies (Along NB48, 0-60m)	91.39%	18	209	21-Jan-16 A	12-Oct-16	-199				
<b>NB49 (Ch.6145-6215)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00540	NB49 - NB post installation	0%	16	16	20-Sep-16	08-Oct-16	754				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10530	Watermain installation (along NB49)	81.42%	21	113	01-Jun-16 A	15-Oct-16	1082				
TSZ10540	Firemain installation (along NB49)	0%	20	20	17-Oct-16	08-Nov-16	1082				
<b>Underground Utility Works</b>											
UZZ20140	Utility cable laying by Utility companies (Along NB49, 0-70m)	81.58%	35	190	03-Feb-16 A	01-Nov-16	-216				
<b>NB49B (Ch.6215-6235)-TWSR West Side</b>											
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10570	DSD Trunk Sewer laying (along NB49B - ID2-1)	63.33%	33	90	19-Sep-16 A	29-Oct-16	-118				
TSZ10580	Watermain installation (along NB49B)	0%	26	26	28-Sep-16	29-Oct-16	-118				
TSZ10590	Firemain installation (along NB49B)	0%	20	20	31-Oct-16	22-Nov-16	241				
<b>Underground Utility Works</b>											
UZZ20150	Utility cable laying by Utility companies (Along NB49B, 0-16m)	72.29%	23	83	10-Jun-16 A	18-Oct-16	-204				
<b>NB54 (Ch.6240-6280)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB00720	NB54 - NB post & panel installation	0%	5	5	20-Sep-16	24-Sep-16	765				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10630	Watermain installation (along NB54)	81.25%	21	112	20-May-16 A	15-Oct-16	-29				
TSZ10640	Firemain installation (along NB54)	0%	13	13	17-Oct-16	31-Oct-16	-29				
<b>Underground Utility Works</b>											
UZZ20160	Utility cable laying by Utility companies (Along NB54, 0-40m)	82.29%	34	192	21-Jan-16 A	31-Oct-16	-215				
<b>NB54A (Ch.6290-6350)-TWSR West Side</b>											

█ Remaining Level of Effort  
█ Actual Level of Effort  
█ Actual Work  
█ Remaining Work  
█ Critical Remaining Work  
◆ Milestone  
◆ Crit. Milestone

Project ID: WP Rev 03 (1609)  
 Layout: 3 Month Rolling Program  
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**Contract No. HY/2012/06**  
**Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange**  
**3 Month Rolling Program(20-Sep-16)**



Date	Revision	C...	A
13-May-14	WP Rev 1		
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				
								Sep	Oct	Nov	Dec	
<b>Noise Barrier Works</b>												
NB00780	NB54A - NB production	86.79%	14	106	20-May-16 A	03-Oct-16	934					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10680	Watermain installation (along NB54A)	64.5%	60	169	14-Mar-16 A	30-Nov-16	-107					
TSZ10690	Firemain installation (along NB54A)	0%	25	25	01-Dec-16	31-Dec-16	-107					
TSZ10820	VO - Additional PE pipe for diversion	0%	10	10	20-Oct-16*	31-Oct-16	0					
<b>Underground Utility Works</b>												
UUZ20170	Utility cable laying by Utility companies (Along NB54A, 0-60m)	65.66%	34	99	05-Jul-16 A	31-Oct-16	-215					
<b>NB57 (Ch.6365-6445)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB00860	NB57 - NB post & panel installation	0%	5	5	20-Sep-16	24-Sep-16	765					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10730	Watermain installation (along NB57)	0%	27	27	20-Sep-16	22-Oct-16	-79					
TSZ10740	Firemain installation (along NB57)	0%	30	30	24-Oct-16	26-Nov-16	-79					
TSZ10990	Backfilling for UU and Firemain & Watermain	0%	12	12	28-Nov-16	10-Dec-16	-79					
<b>Underground Utility Works</b>												
UUZ20180	Utility cable laying by Utility companies (Along NB57, 0-80m)	80.9%	34	178	26-Feb-16 A	31-Oct-16	-215					
<b>NB58 (Ch.6445-6480)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB00930	NB58 - NB post & panel installation	0%	5	5	20-Sep-16	24-Sep-16	765					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10780	Watermain installation (along NB58)	45%	22	40	29-Aug-16 A	17-Oct-16	-57					
TSZ10790	Firemain installation (along NB58)	45%	22	40	29-Aug-16 A	17-Oct-16	-57					
TSZ11010	Backfilling	0%	12	12	11-Oct-16	24-Oct-16	-57					
<b>Underground Utility Works</b>												
UUZ20190	Utility cable laying by Utility companies (Along NB58, 0-45m)	70.69%	34	116	16-May-16 A	31-Oct-16	-215					
<b>NB59 (Ch.6490-6590)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB00980	NB59 - backfilling	0%	12	12	01-Nov-16	14-Nov-16	-56					
NB01000	NB59 - NB post & panel installation	0%	12	12	15-Nov-16	28-Nov-16	712					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10840	Firemain installation (along NB59)	60.92%	34	87	20-May-16 A	31-Oct-16	-56					
<b>Underground Utility Works</b>												
UUZ20200	Utility cable laying by Utility companies (Along NB59, 0-95m)	82.47%	34	194	29-Jan-16 A	31-Oct-16	-215					
<b>NB63 (Ch.6610-6700)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB01050	NB63 - NB post & panel installation	0%	5	5	20-Sep-16	24-Sep-16	765					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10340	Firemain installation (along NB63)	63.41%	30	82	20-Jun-16 A	26-Oct-16	-40					
<b>Underground Utility Works</b>												
UUZ20230	Utility cable laying by Utility companies (Along NB63-100m)	93.02%	34	487	29-Jan-15 A	31-Oct-16	-215					
<b>Bridge Construction</b>												
<b>New Tai Hang Footbridge</b>												
<b>General</b>												
THBF0350	Steel Staircase & Ramp prefabrication (THFB-TWSR-W)	57.14%	39	91	20-Jul-16 A	05-Nov-16	94					
THBF0360	Steel Staircase & Ramp available on site (THFB-TWSR-W side)	0%	0	0	07-Nov-16		94					◆ Steel Staircase & Ramp available on
THBF0370	Steel Staircase & Bridge prefabrication (THFB-TWSR-E side)	57.78%	38	90	20-Jul-16 A	04-Nov-16	95					
THBF0380	Steel Staircase & Bridge available on site (THFB-TWSR-E side)	0%	0	0	05-Nov-16		95					◆ Steel Staircase & Bridge available on s
THBF0390	Steel Bridge prefabrication (THFB)	2%	49	50	20-Jul-16 A	17-Nov-16	84					
THBF0400	Steel Bridge available on site (THFB)	0%	0	0	18-Nov-16		84					◆ Steel Bridge available on s
<b>TWSR-West/ FL Highway N/B Side Section</b>												
THBF0140	THP5 - Pile cap, Pier and Pier Head	91.5%	26	306	31-Oct-15 A	15-Nov-16	86					
THBF0180	THP8, THP9 - Pile cap, Pier and Pier Head	93.47%	26	398	13-Jul-15 A	15-Nov-16	36					
THBF0230	THAB3 - Backfilling (~4m)	7.41%	25	27	16-Sep-16 A	20-Oct-16	168					
THBF0235	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		15-Nov-16	146					15-Nov-16 ◆ Steel Staircase ready for errec
THBF0270	THP6, THP7 - Pile cap, Pier and Pier Head	85.71%	40	280	01-Feb-16 A	16-Jan-17	36					
THBF0310	THAB2 - pile cap & abutment wall	0%	30	30	09-Dec-16	16-Jan-17	36					
THBF0410	Erect Staircase (THFB-TWSR-W side)	0%	30	30	16-Nov-16	20-Dec-16	146					
<b>TWSR-East FL Highway S/B Side Section</b>												
THBF0470	THAB1 - pile cap & abutment wall	42.11%	33	57	20-Jul-16 A	29-Oct-16	35					
THBF0480	THAB1 - Backfilling (~3m)	0%	20	20	31-Oct-16	22-Nov-16	35					
THBF0520	THP2 - Pile cap, Pier and Pier Head	0%	45	45	23-Nov-16	17-Jan-17	35					
THBF0730	THP3 - Pile cap, Pier and Pier Head	0%	45	45	31-Oct-16	21-Dec-16	55					
THBF0770	THP4 - Pile cap, Pier and Pier Head	54.17%	33	72	20-Jul-16 A	29-Oct-16	55					
<b>Lift at TWSR-W Side</b>												
L1520	Lift shaft & roof	7.69%	60	65	16-Jul-16 A	30-Nov-16	43					
L1530	Structural Laminated glass wall installation	0%	30	30	01-Dec-16	07-Jan-17	85					
L1540	RC Platform connect to bridge	0%	30	30	01-Dec-16	07-Jan-17	43					
L1557	Lift submission & ordering period	27.92%	173	240	02-Jul-16 A	27-Apr-17	2					
L1600	CLP Power available (by CLP)	23.1%	303	394	21-Jun-16 A	19-Jul-17	6					
<b>Lift at FLHY S/B</b>												
L1370	Lift shaft & roof	0%	90	90	20-Sep-16	07-Jan-17	27					
L1450	CLP Power available (by CLP)	16.99%	303	365	21-Jun-16 A	19-Jul-17	8					
<b>New Tai Wo Footbridge</b>												
<b>General</b>												
TWFB1050	Steel Staircase & Ramp prefabrication (TWFB-TWSR-W)	46.15%	35	65	15-Aug-16 A	01-Nov-16	50					

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				
								Sep	Oct	Nov	Dec	
TWFB1060	Steel Staircase & Ramp available on site (TWFB-TWSR-W side)	0%	0	0	02-Nov-16		50					◆ Steel Staircase & Ramp available on site
TWFB1090	Steel Bridge prefabrication (TWFB)	46.15%	35	65	15-Aug-16 A	01-Nov-16	615					
TWFB1100	Steel Bridge available on site (TWFB)	0%	0	0	02-Nov-16		615					◆ Steel Bridge available on site (TWFB)
<b>TWSR-West/ FL Highway N/B Side Section</b>												
TWFB1160	TWP1 - Pile cap, Pier and Pier Head	81.82%	34	187	18-Feb-16 A	31-Oct-16	81					
TWFB1240	TWAB2 - pile cap & abutment wall	46.88%	34	64	20-Jul-16 A	31-Oct-16	619					
TWFB1250	TWAB2 - Backfilling (~4m)	0%	27	27	01-Nov-16	01-Dec-16	619					
TWFB1260	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		01-Dec-16	619					01-Dec-16 ◆ Steel Staircase
TWFB1300	TWP4, TWP5 - Pile cap, Pier and Pier Head	87.36%	34	269	16-Nov-15 A	31-Oct-16	51					
TWFB1340	TWAB1 - pile cap & abutment wall	86.29%	34	248	22-Oct-15 A	31-Oct-16	31					
TWFB1350	TWAB1 - Backfilling (~3m)	0%	20	20	01-Nov-16	23-Nov-16	31					
TWFB1360	Steel Ramp ready for erection (TWFB-TWSR-W side)	0%	0	0		23-Nov-16	31					23-Nov-16 ◆ Steel Ramp ready for e
TWFB1370	Erect Staircase (TWFB-TWSR-W side)	0%	60	60	02-Dec-16	21-Feb-17	619					
TWFB1380	Erect Ramp	0%	60	60	24-Nov-16	13-Feb-17	31					
<b>Crossing Fanling Highway Section</b>												
TWFB1410	TWP2 - Predrilling	0%	18	18	01-Dec-16*	21-Dec-16	0					
<b>Lift at TWSR-W Side</b>												
L1670	Lift shaft & roof	41.75%	60	103	21-Jun-16 A	30-Nov-16	530					
L1680	Structural Laminated glass wall installation	0%	30	30	01-Dec-16	07-Jan-17	577					
L1690	RC Link slab connect to bridge	0%	30	30	01-Dec-16	07-Jan-17	530					
L1730	Lift submission & ordering period	24.81%	203	270	02-Jul-16 A	05-Jun-17	464					
L1780	CLP Power available (by CLP)	8.49%	334	365	20-Aug-16 A	19-Aug-17	577					
<b>Temporary Tai Wo Footbridge</b>												
<b>Design Works</b>												
TWFB-T1030	Design amendment	3.7%	26	27	19-Aug-16 A	21-Oct-16	19					
TWFB-T1040	Design Available	0%	0	0		21-Oct-16	19					21-Oct-16 ◆ Design Available
<b>Construction Works</b>												
TWFB-T1208	Erect Temp Column & link bridge to existing bridge at FLHY S/B	0%	150	150	22-Oct-16	02-May-17	83					
<b>Demolition of Existing Tai Wo Footbridge</b>												
<b>TWSR-West/ FL Highway N/B Side Section</b>												
TWFB-T1135	Demolish existing TWFB across TWSR-W	0%	25	25	25-Oct-16	22-Nov-16	-57					
TWFB-T1230	Watermain & Firemain at NB58 & backfill	39.13%	28	46	29-Aug-16 A	24-Oct-16	-57					
<b>TWSR-West Construction</b>												
<b>Drainage &amp; Road Works</b>												
<b>Ch 5880-6125</b>												
RDZ20160	Z2 : New TWSR-West D&R Works (lane 1)	0%	120	120	02-Dec-16	09-May-17	-146					
<b>Noise Barrier Along Fanling Highway S/B</b>												
<b>NB51 (Ch.5935-6055)-FH S/B Side</b>												
<b>Noise Barrier Works</b>												
NB02280	NB51 ID1-3 (0-25m) - Footing & Wall Structure	0%	90	90	20-Sep-16	07-Jan-17	292					
<b>NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02430	Precautionary Measure installation	0%	26	26	20-Sep-16	21-Oct-16	477					
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	22-Oct-16	21-Nov-16	477					
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	22-Nov-16	10-Feb-17	477					
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	04-Nov-16	15-Nov-16	560					
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rias	0%	27	27	16-Nov-16	16-Dec-16	560					
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	17-Dec-16	13-Jan-17	560					
NB02590	NB53 (125-180m) - NB production	86.79%	14	106	20-May-16 A	03-Oct-16	934					
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	04-Oct-16	08-Oct-16	754					
<b>NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02640	NB55 - Footing & Wall Structure	95.59%	24	544	07-Nov-14 A	19-Oct-16	560					
NB02650	NB55- backfilling	0%	50	50	20-Oct-16	16-Dec-16	560					
NB02660	NB55 - NB production	84.5%	40	258	15-Jan-16 A	29-Oct-16	908					
NB02670	NB55 - NB post & panel installation	0%	5	5	17-Dec-16	22-Dec-16	691					
<b>NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02730	NB56 - NB production	92.86%	14	196	20-Feb-16 A	03-Oct-16	934					
NB02740	NB56 - NB post & panel installation	0%	5	5	04-Oct-16	08-Oct-16	754					
<b>NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02770	NB61 (0-50m) - Sheet piling & Excavation	0%	18	18	20-Sep-16	12-Oct-16	652					
NB02780	NB61 (0-50m) - Footing & Wall Structure	0%	50	50	13-Oct-16	09-Dec-16	652					
NB02790	NB61 (0-50m)- backfilling	0%	50	50	10-Dec-16	17-Feb-17	652					
NB02800	NB61 (0-50m) - NB production	0%	45	45	10-Dec-16	23-Jan-17	822					
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Sep-16	03-Nov-16	903					
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	04-Nov-16	09-Nov-16	728					
<b>NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02920	NB61A (0-50m) - NB production	92.39%	15	197	20-Feb-16 A	04-Oct-16	933					
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	05-Oct-16	11-Oct-16	753					
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	92.69%	32	438	01-Apr-15 A	28-Oct-16	698					
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	29-Oct-16	21-Nov-16	713					
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	29-Oct-16	12-Dec-16	864					

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Sep	Oct	Nov	Dec
NB03000	NB61A ID2-3 (50-75m) - NB post & panel installation	0%	5	5	13-Dec-16	17-Dec-16	695				
NB03040	NB61A (75-190m) - NB production	92.39%	15	197	20-Feb-16 A	04-Oct-16	933				
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	05-Oct-16	11-Oct-16	753				
<b>Other Works</b>											
<b>Site Clearance &amp; Demolition of Existing Structure</b>											
<b>Contract Condition</b>											
MCLT1050	Apply cert for exemption by DLO by Engineer	0%	0	0	20-Sep-16	20-Sep-16	1123				
MCLT1090	New MCLT - finishes works	61.6%	48	125	20-May-16 A	16-Nov-16	37				
MCLT1100	New MCLT completion	0%	0	0		16-Nov-16	37				16-Nov-16* ◆ New MCLT completion
<b>TCSS Works</b>											
<b>G54</b>											
TCSS1500	Slow lane footing - G54 (NB61)	0%	0	0		20-Sep-16	620				20-Sep-16 ◆ Slow lane footing - G54 (NB61)
<b>South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)</b>											
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>											
<b>NB63A (Ch.6710-6840)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB01200	NB63A-3 - NB post & panel installation	0%	5	5	17-Sep-16 A	24-Sep-16	275				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10860	DSD Trunk Sewer laying (along NB63A)	79.27%	34	164	14-Mar-16 A	31-Oct-16	2				
TSZ10880	Watermain installation (along NB63A)	0%	30	30	01-Nov-16	05-Dec-16	1044				
TSZ10890	Firemain installation (along NB63A)	0%	30	30	18-Nov-16	22-Dec-16	1044				
<b>NB64 &amp; NB64A (Ch.6860-6920)-TWSR West Side</b>											
<b>Noise Barrier Works</b>											
NB001040	NB64 & NB64A -backfilling	0%	12	12	23-Nov-16	06-Dec-16	-60				
NB001060	NB64 & NB64A -NB post & panel installation	80.63%	31	160	14-Mar-16 A	27-Oct-16	249				
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>											
TSZ10910	DSD Trunk Sewer laying (along NB64)	80.16%	25	126	20-Apr-16 A	20-Oct-16	-60				
TSZ10930	Watermain installation (along NB64)	0%	30	30	21-Oct-16	24-Nov-16	-60				
TSZ10940	Firemain installation (along NB64)	0%	30	30	21-Oct-16	24-Nov-16	-60				
<b>Underground Utility Works</b>											
UZZ20220	Utility cable laying by Utility companies (Along NB64, 60m)	80.11%	35	176	29-Feb-16 A	01-Nov-16	-216				
<b>Bridge Construction</b>											
<b>Kau Lung Hang Vehicular Bridge</b>											
<b>KLH Bridge - West Ramp</b>											
KLH.1290	West Ramp - Planting	0%	21	21	20-Sep-16	15-Oct-16	779				
<b>KLH Bridge - Deck 1</b>											
KLH.3430	Deck 1 - Planting	0%	21	21	20-Sep-16	15-Oct-16	779				
KLH.3630	Pedestrian walkway Roof & Parapet P2 to P3	0%	60	60	20-Sep-16	30-Nov-16	13				
KLH.3640	Pedestrian walkway floor finishes P2 to P3	0%	13	13	01-Dec-16	15-Dec-16	13				
<b>KLH Bridge - Deck 2</b>											
KLH.3160	Pedestrian walkway Roof & Parapet P5-P6	0%	60	60	20-Sep-16	30-Nov-16	13				
KLH.3170	Pedestrian walkway floor finishes P5-P6	0%	17	17	26-Nov-16	15-Dec-16	13				
KLH.3260	Pedestrian walkway Roof & Parapet P4 to P5	0%	60	60	20-Sep-16	30-Nov-16	12				
KLH.3270	Pedestrian walkway floor finishes P4 to P5	0%	14	14	01-Dec-16	16-Dec-16	12				
KLH.3360	Pedestrian walkway Roof & Parapet P3 to P4	0%	60	60	20-Sep-16	30-Nov-16	12				
KLH.3370	Pedestrian walkway floor finishes P3 to P4	0%	14	14	01-Dec-16	16-Dec-16	12				
<b>KLH Bridge - Deck 3</b>											
KLH.3500	Deck 3 - Planting	0%	21	21	20-Sep-16	15-Oct-16	779				
KLH.3650	Pedestrian walkway Roof & Parapet P6 to P7	0%	60	60	20-Sep-16	30-Nov-16	12				
KLH.3660	Pedestrian walkway floor finishes P6 to P7	0%	14	14	01-Dec-16	16-Dec-16	12				
<b>KLH Bridge - East Ramp</b>											
KLH.3590	East Ramp - Planting	0%	21	21	20-Sep-16	15-Oct-16	779				
<b>KLH Bridge - Ramp R1</b>											
Z2.KLH.1670	Ramp R1 - Pile caps and pier construction (R1P3)	75%	8	32	08-Aug-16 A	28-Sep-16	12				
Z2.KLH.1680	Ramp R1 - Ramp construction (Abutment R1 to R1P1)	0%	40	40	20-Sep-16	07-Nov-16	46				
Z2.KLH.1685	Ramp R1 - Ramp construction (R1P1 to P1P3)	0%	40	40	29-Sep-16	16-Nov-16	12				
Z2.KLH.1710	Ramp R1 - Abutment R1 - base slab & wall	95.23%	18	377	22-Jun-15 A	12-Oct-16	8				
Z2.KLH.1720	Ramp R1 - Abutment R1 - Top slab	0%	30	30	13-Oct-16	16-Nov-16	8				
Z2.KLH.1730	Ramp R1 - Abutment R1 - Staircase	0%	30	30	17-Nov-16	21-Dec-16	8				
Z2.KLH.3610	Ramp R1 - Steel roof	0%	40	40	18-Oct-16	02-Dec-16	12				
Z2.KLH.3620	Ramp R1 - finishes work	0%	30	30	12-Nov-16	16-Dec-16	12				
<b>KLH Bridge - Ramp R2</b>											
Z2.KLH.1523	VO 028 - Boundary Wall to Hse 190B structure	0%	24	24	01-Nov-16*	28-Nov-16	686				
Z2.KLH.1524	VO 028 - Boundary Wall to Hse 190B E&M Drainage	0%	26	26	29-Nov-16	30-Dec-16	686				
Z2.KLH.1530	Ramp R2 - Pile cap, abutment and pier construction	80.07%	60	301	20-Nov-15 A	30-Nov-16	0				
Z2.KLH.1540	Ramp R2 - Ramp construction	0%	45	45	24-Oct-16	14-Dec-16	0				
Z2.KLH.1545	Ramp R2 - Ramp construction (section after VBP6-7 deck)	0%	35	35	04-Nov-16	14-Dec-16	0				
Z2.KLH.1550	Ramp R2 - Steel roof	0%	40	40	12-Nov-16	30-Dec-16	0				
Z2.KLH.1920	Ramp R2 - finishes work	0%	30	30	26-Nov-16	03-Jan-17	0				
<b>Bridge Road Work</b>											
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	20-Sep-16	20-Feb-17	650				
<b>Lift at TWSR-W Side</b>											
L01030	Pile test (As Confirmed by ER, No pile test is required)	0%	0	0	20-Sep-16	20-Sep-16	530				
L01040	Temp work & Pile cap	0%	45	45	20-Sep-16	12-Nov-16	530				
L01050	Lift pit	0%	24	24	14-Nov-16	10-Dec-16	530				



Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Sep	Oct	Nov	Dec
L01060	Lift shaft & roof	0%	52	52	12-Dec-16	21-Feb-17	530				
L01094	Lift submission & ordering period	15.56%	228	270	01-Aug-16 A	05-Jul-17	453				
L01140	CLP Power available (by CLP)	41.02%	243	412	04-Apr-16 A	20-May-17	685				
<b>Lift at FLHY S/B</b>											
L01180	Earliest date for lift construction resume	0%	0	0	12-Nov-16		441				◆ Earliest date for lift construction r
L01190	Set up & Pile test	0%	30	30	12-Nov-16	16-Dec-16	441				
L01200	Temp work & Pier cap	0%	45	45	17-Dec-16	18-Feb-17	441				
L01300	CLP Power available (by CLP)	38.15%	274	443	04-Apr-16 A	20-Jun-17	660				
<b>Demolition of Existing Nam Wa Po Footbridge</b>											
<b>Demolition Work</b>											
Z2.NWP.1060	Temporary support installation at existing Fanling Highway	0%	65	65	18-Oct-16	04-Jan-17	0				
<b>TWSR-West Construction</b>											
<b>Drainage &amp; Road Works</b>											
<b>General</b>											
CW01	1st interface connection to CW at S/B	0%	0	0		15-Nov-16	0				15-Nov-16* ◆ 1st interface connection to CV
<b>Noise Barrier Along Fanling Highway S/B</b>											
<b>NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&amp;P Area)</b>											
<b>Noise Barrier Works</b>											
NB03080	NB62 (0-80m) - Sheet piling & Excavation	0%	18	18	27-Oct-16	16-Nov-16	-66				
NB03090	NB62 (0-80m) - Footing & Wall Structure	0%	45	45	17-Nov-16	11-Jan-17	-66				
NB03130	NB62 (80-110m) Under bridge - Sheet piling & Excavation	0%	12	12	13-Oct-16	26-Oct-16	-66				
NB03140	NB62 (80-110m) Under bridge - Footing & Wall Structure	0%	25	25	27-Oct-16	24-Nov-16	-22				
NB03150	NB62 (80-110m) Under bridge - backfilling	0%	14	14	25-Nov-16	10-Dec-16	-22				
NB03160	NB62 (80-110m) Under bridge - NB production	0%	45	45	25-Nov-16	08-Jan-17	837				
NB03180	NB62 (110-170m) - Sheet piling & Excavation	0%	18	18	20-Sep-16	12-Oct-16	-66				
NB03190	NB62 (110-170m) - Footing & Wall Structure	0%	60	60	13-Oct-16	21-Dec-16	-51				
<b>NB70 (Ch.6910-6930)-FH S/B Side</b>											
<b>Noise Barrier Works</b>											
NB03280	NB70 - NB production	0%	45	45	20-Sep-16	03-Nov-16	903				
NB03290	NB70- NB post & panel installation	0%	5	5	04-Nov-16	09-Nov-16	728				
<b>North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)</b>											
<b>Bridge Construction</b>											
<b>New Ho Ka Yuen Footbridge</b>											
<b>General</b>											
HKY1180	Ho Ka Yuen Footbridge Complete	0%	0	0		07-Oct-16	-42				07-Oct-16 ◆ Ho Ka Yuen Footbridge Complete
HKY1190	Existing Ho Ka Yuen Footbridge Demolished	0%	0	0		18-Oct-16	-42				18-Oct-16 ◆ Existing Ho Ka Yuen Footbridge Demolished
<b>TWSR-West/ FL Highway N/B Side Section</b>											
HKY1250	HKYAB3 - pile cap & abutment wall	83.33%	5	30	20-Aug-16 A	24-Sep-16	755				
HKY1260	HKYAB3 - Backfilling (~4m)	0%	12	12	26-Sep-16	11-Oct-16	755				
HKY1270	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		11-Oct-16	755				11-Oct-16 ◆ Steel Staircase ready for erection (THFB-TWSR-W side)
HKY1273	Erect Staircase (HKY-TWSR-W side)	0%	30	30	12-Oct-16	15-Nov-16	755				
HKY1400	Finishes Work	42.31%	15	26	14-Sep-16 A	07-Oct-16	-42				
HKY1410	Bridge Structure complete (HKY-TWSR-W side)	0%	0	0		07-Oct-16	-42				07-Oct-16 ◆ Bridge Structure complete (HKY-TWSR-W side)
<b>Crossing Fanling Highway Section</b>											
HKY1416	TTA Stage 4 start	0%	0	0	20-Sep-16		1123				◆ TTA Stage 4 start
HKY1470	Finishes Work	0%	12	12	20-Sep-16	04-Oct-16	-39				
HKY1480	Bridge Structure complete (THFB-Cross fanling highway)	0%	0	0		04-Oct-16	-39				04-Oct-16 ◆ Bridge Structure complete (THFB-Cross fanling highway)
<b>TWSR-East FL Highway S/B Side Section</b>											
HKY1600	Finishes Work	36.67%	19	30	20-Aug-16 A	13-Oct-16	783				
HKY1610	Bridge Structure complete (HKYFB-TWSR-E side)	0%	0	0		20-Sep-16	-27				20-Sep-16 ◆ Bridge Structure complete (HKYFB-TWSR-E side)
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	0%	30	30	20-Sep-16	26-Oct-16	772				
<b>Demolition of Existing Ho Ka Yuen Footbridge</b>											
<b>Crossing Fanling Highway Section</b>											
HKY1690	Demolish existing HKY Footbridge	0%	4	4	08-Oct-16	13-Oct-16	-38				
HKY1700	Removal of temporary platform	0%	30	30	14-Oct-16	17-Nov-16	733				
HKY1720	Reinstate road work	0%	20	20	18-Nov-16	10-Dec-16	733				
<b>TWSR-East FL Highway S/B Side Section</b>											
HKY1670	Demolish existing HKY footbridge (TWSR-E side)	0%	4	4	14-Oct-16	18-Oct-16	-42				
<b>Other Works</b>											
<b>Slope Works</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
S1000	Slope S51-Fill ~3m	0%	40	40	19-Oct-16	03-Dec-16	613				
<b>ZONE 4 (Ch. 7925 to 8700)</b>											
<b>Noise Barrier Along Fanling Highway N/B</b>											
<b>NB75 (Ch.7930-8090)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB4040	NB75 -Pre-drilling (Ch7930-7990)	0%	24	24	14-Oct-16	10-Nov-16	94				
NB4050	NB75 - piling (NB75/01-05, 0.19m -24no)	0%	48	48	11-Nov-16	09-Jan-17	94				
NB4100	NB75 -Pre-drilling (Ch7990-8000)-(HKY-P1) & G34	0%	24	24	11-Nov-16	08-Dec-16	185				
NB4160	NB75 -Pre-drilling (Ch8000-8050)	0%	48	48	28-Oct-16	22-Dec-16	106				
NB4220	NB75 -Pre-drilling (Ch8050-8090)	0%	42	42	30-Nov-16	20-Jan-17	116				
<b>NB77 (Ch.8090-8450)-FH N/B Side</b>											
<b>Noise Barrier Works</b>											
NB4285	TTA for FH N/B (Stage 6) start	0%	0	0	14-Oct-16		31				◆ TTA for FH N/B (Stage 6) start
NB4290	NB77 -Pre-drilling (Ch8090-8190)	0%	24	24	21-Oct-16	17-Nov-16	25				
NB4300	NB77 - piling (NB77/01-08, 0.19m -34no)	0%	68	68	07-Nov-16	27-Jan-17	25				

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016			
								Sep	Oct	Nov	Dec
NB4350	NB77 -Pre-drilling (Ch8190-8290)	0%	72	72	21-Oct-16	16-Jan-17	45				
NB4410	NB77 -Pre-drilling (Ch8290-8390)	0%	60	60	18-Nov-16	07-Feb-17	39				
<b>Bridge Construction</b>											
<b>New Wo Hop Shek Pedstrian &amp; Cycle Bridge</b>											
<b>General</b>											
WHS1120	Diversion of existing pedestrian from existing to proposed footbridge	0%	1	1	27-Oct-16	27-Oct-16	4				
<b>TWSR-West/ FL Highway NB Side Section</b>											
WHS1300	Existing WHS bridge structure removed	0%	0	0		05-Dec-16	-57				05-Dec-16 ♦ Existing WH
WHS1350	WHSAB2 - Predrilling (VO018)	0%	24	24	06-Dec-16	05-Jan-17	-57				
WHS1990	Erect 1st half ramp	90.91%	9	99	10-May-16 A	29-Sep-16	-57				
WHS2000	Erect temp pedestrian ramp besides 1st half ramp	80%	10	50	27-Jul-16 A	30-Sep-16	-43				
WHS2010	Erect temp access between existing bridge to 1st half ramp	52%	24	50	27-Jul-16 A	19-Oct-16	-57				
WHS2020	Diverse pedestrian from existing ramp to new ramp	0%	0	0		19-Oct-16	-57				19-Oct-16 ♦ Diverse pedestrian from existing ramp to new ramp
<b>Crossing Fanling Highway Section</b>											
WHS1490	Finishes Work	0%	30	30	20-Sep-16	26-Oct-16	4				
WHS1500	Bridge Structure complete (WHSB-Cross fanling highway)	0%	0	0		26-Oct-16	4				26-Oct-16 ♦ Bridge Structure complete (WHSB-Cross fanling
<b>Demolition of Existing Wo Hop Shek Pedstrian &amp; Cycle Bridge</b>											
<b>TWSR-West/ FL Highway N/B Side Section</b>											
WHS1870	Install Temp support to remove existing ramp	0%	20	20	20-Oct-16	11-Nov-16	-57				
WHS1880	Remove existing ramp for 2nd half new ramp construction	0%	20	20	12-Nov-16	05-Dec-16	-57				
WHS1890	Demolish existing WHS footbridge (TWSR-W side)	0%	30	30	28-Oct-16	01-Dec-16	545				
WHS2030	Remove temp filled platform	0%	30	30	02-Dec-16	09-Jan-17	545				
<b>Crossing Fanling Highway Section</b>											
WHS1790	Erect Temp platform for bridge demolition	0%	60	60	20-Sep-16	30-Nov-16	436				
WHS1800	Demolish existing WHS Footbridge	0%	60	60	01-Dec-16	20-Feb-17	436				
<b>TWSR-East FL Highway S/B Side Section</b>											
WHS1840	Demolish existing WHS Footbridge abutment wall at W77A	0%	20	20	28-Oct-16	19-Nov-16	4				
<b>Slip Road Y Construction</b>											
<b>Drainage &amp; Road Works</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RDZ41085	Construct Slip Rd Y (Ch7925-8050)(SA346) - remaining	0%	150	150	19-Oct-16	27-Apr-17	297				
<b>VO - Wall 76A Construction</b>											
<b>Retaining Wall W76A</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
W76A1050	Drainage work for Caltex access road	0%	150	150	20-Sep-16	27-Mar-17	502				
<b>Fanling Highway Construction</b>											
<b>Drainage &amp; Road Works</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RDZ41086	Construct FH S/B Lane 1 & 2 (Ch7925-8000)(SA346) (after HKY	0%	145	145	19-Oct-16	21-Apr-17	291				
RDZ41090	Remove FH central barrier	5%	19	20	17-Sep-16 A	13-Oct-16	25				
RDZ41100	TTA for FH N/B Lane 1, 2, 3 construction (Ch7925-8600)(SA340)	0%	6	6	14-Oct-16	20-Oct-16	25				
RDZ41114	Construct FH N/B Lane 3 (Ch7925-8600)	0%	68	68	21-Oct-16	11-Jan-17	174				
<b>Other Works</b>											
<b>Retaining Wall W77A</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RWZ4.1075	Temp Shoring & Excavation	0%	45	45	21-Nov-16	14-Jan-17	4				
<b>Retaining Wall W77B</b>											
<b>TWSR-East FL Highway S/B Side Section</b>											
RWZ4.1100	Base slab & Wall (0-3m high)- RW77B (Ch 0-40)	82.91%	34	199	01-Mar-16 A	31-Oct-16	66				
RWZ4.1110	Backfilling (0-3m) - RW77B (Ch 0-40)	0%	30	30	01-Nov-16	05-Dec-16	96				
RWZ4.1115	Temp Shoring & Excavation	0%	45	45	21-Nov-16	14-Jan-17	4				
<b>TCSS Works</b>											
<b>TCSS Pre-Construction Works</b>											
TCSS0120	Prepare Shop Drawing-TCSS	0%	45	45	20-Sep-16	12-Nov-16	151				
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	12-Nov-16	03-Dec-16	195				
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	05-Dec-16	24-Dec-16	150				
<b>G35</b>											
TCSS1550	Slip road island footing - G35 (CH8410, N/B)	0%	30	30	21-Oct-16	24-Nov-16	385				
<b>FVMS2 (Deleted by RFI-138, Pending for VO)</b>											
TCSS1640	Slow lane footing - FVMS2 (CH8400, S/B)- Deleted by RFI-138	0%	30	30	20-Sep-16	26-Oct-16	530				

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**CONSTRUCTION PROGRAMME OF  
OCTOBER 2016**

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Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				2017	
								Oct	Nov	Dec	Jan		
<b>Contract Condition</b>													
<b>General</b>													
<b>Contract Condition</b>													
KD20	KD-20 (1064d)- Stage 1: Achievement: Whole length of	0%	0	0		03-Jan-17*	0					03-Jan-17	◆ KD-20 (1064
POSSA323A	Site Area SA323A (360d) (not required)	0%	0	0	20-Oct-16		1358						◆ Site Area SA323A (360d) (not required)
POSSA327	Site Area SA327 (180d)	0%	0	0	20-Oct-16*		-658						◆ Site Area SA327 (180d)
POSSA327A	Site Area SA327A (730d)	0%	0	0	20-Oct-16*		-460						◆ Site Area SA327A (730d)
POSSA345	Site Area SA345 (0d)	0%	0	0	20-Oct-16*		-325						◆ Site Area SA345 (0d)
<b>ZONE 1 (Ch. 5640 to 5880)</b>													
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>													
<b>DSD Southern Trunk Sewer, Water Main, Fire Main Works</b>													
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>													
DSD0090	DSD Truck Sewer Laying complete	0%	0	0	12-Nov-16		0						◆ DSD Truck Sewer Laying complete
DSD0100	DSD Trunk Sewer Laying - overall testing (Zone 1 & Zone 2)	0%	12	12	12-Nov-16	25-Nov-16	0						
DSD0110	DSD Trunk Sewer Laying - overall inspection	0%	18	18	26-Nov-16	16-Dec-16	0						
DSD0120	DSD Trunk Sewer Laying - overall rectification	0%	12	12	17-Dec-16	03-Jan-17	0						
<b>NB42 (Ch.5640-5740)-TWSR West Side</b>													
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>													
TSZ10140	Firemain installation (along NB42)	66.22%	25	74	20-Aug-16 A	17-Nov-16	60						
<b>NB42A (Ch.5750-5810)-TWSR West Side</b>													
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>													
TSZ10190	Firemain installation (along NB42A)	67.12%	24	73	20-Aug-16 A	16-Nov-16	61						
<b>Noise Barrier Along Fanling Highway N/B</b>													
<b>Site Clearance &amp; Demolition of Existing Structure</b>													
<b>Underground Utility Works</b>													
ADVZ20175	All UU and backfill along TWSR-W complete	0%	0	0		31-Oct-16	0						31-Oct-16 ◆ All UU and backfill along TWSR-W complete
ADVZ20180	Utility cable changeover period (NWT)	0%	184	184	01-Nov-16	03-May-17	258						
ADVZ20182	Additional Utility cable changeover period (PCCW, HCG)	0%	273	273	01-Nov-16	31-Jul-17	169						
<b>TWSR-West Construction</b>													
<b>Drainage &amp; Road Works</b>													
<b>Ch 5640-5880</b>													
RDZ10090	Z1: New Tai Wo Service Road West - Drainage & Road works (2 lanes)	31.76%	116	170	15-Aug-16 A	15-Mar-17	14						
<b>ZONE 2 (Ch. 5880 to 6930)</b>													
<b>General</b>													
<b>DRM Proposal</b>													
<b>DRM Proposal</b>													
ADVZ20190	Utility cable duct laying & backfill complete	0%	0	0		31-Oct-16*	0						31-Oct-16* ◆ Utility cable duct laying & backfill complete
ADVZ20200	Utility cable changeover period (All Utility Companies)(9 months)	0%	273	273	01-Nov-16	31-Jul-17	169						
ADVZ20220	New TWSR-W construction period	29.35%	130	184	15-Aug-16 A	31-Mar-17	0						
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>													
<b>NB48 (Ch.5995-6120)-TWSR West Side</b>													
<b>Noise Barrier Works</b>													
NB00390	NB48 (Ch5995-6060) - backfilling	66.67%	6	18	05-Oct-16 A	26-Oct-16	54						
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>													
TSZ10440	Firemain installation (along NB48, 0-60m)	64.74%	55	156	20-Jun-16 A	22-Dec-16	15						
TSZ10490	Firemain installation (along NB48, 60-110m)	64.74%	55	156	20-Jun-16 A	22-Dec-16	15						
<b>NB49 (Ch.6145-6215)-TWSR West Side</b>													
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>													
TSZ10530	Watermain installation (along NB49)	84.67%	21	137	01-Jun-16 A	12-Nov-16	49						
TSZ10540	Firemain installation (along NB49)	52.94%	24	51	15-Sep-16 A	16-Nov-16	46						
<b>Underground Utility Works</b>													
UZZ20140	Utility cable laying by Utility companies (Along NB49, 0-70m)	95.33%	10	214	03-Feb-16 A	31-Oct-16	0						
<b>NB49B (Ch.6215-6235)-TWSR West Side</b>													
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>													
TSZ10580	Watermain installation (along NB49B)	43.75%	9	16	12-Oct-16 A	29-Oct-16	71						
TSZ10590	Firemain installation (along NB49B)	0%	20	20	31-Oct-16	22-Nov-16	71						
<b>Underground Utility Works</b>													
UZZ20150	Utility cable laying by Utility companies (Along NB49B, 0-16m)	91.6%	10	119	10-Jun-16 A	31-Oct-16	0						
<b>NB54 (Ch.6240-6280)-TWSR West Side</b>													
<b>Noise Barrier Works</b>													
NB00720	NB54 - NB post & panel installation	0%	5	5	20-Oct-16	25-Oct-16	741						
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>													
TSZ10630	Watermain installation (along NB54)	91.97%	11	137	20-May-16 A	01-Nov-16	59						
TSZ10640	Firemain installation (along NB54)	0%	30	30	02-Nov-16	06-Dec-16	59						
<b>NB54A (Ch.6290-6350)-TWSR West Side</b>													
<b>Noise Barrier Works</b>													
NB00770	NB54A - backfilling	0%	12	12	01-Nov-16	14-Nov-16	63						
NB00780	NB54A - NB production	77.27%	45	198	20-May-16 A	03-Dec-16	873						
NB00790	NB54A - NB post & panel installation	0%	5	5	05-Dec-16	09-Dec-16	702						
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>													

	Project ID: WP Rev 04 (1610)	<p align="center"><b>Contract No. HY/2012/06</b></p> <p align="center"><b>Widening of Fanling Highway - Tai Hang to Wo Hop Shek Interchange</b></p> <p align="center"><b>3 Month Rolling Program(20-Oct-16)</b></p>		Date	Revision	Ch...	A
	Layout: 3 Month Rolling Program			13-May-14	WP Rev 1		
Page 1 of 6				30-Jun-14	WP Rev...		
				28-Aug-15	WP Rev 2		
				07-Apr-16	WP Rev 3		
				26-Oct-16	WP Rev 4		



Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				2017
								Oct	Nov	Dec	Jan	
TSZ10680	Watermain installation (along NB54A)	78.76%	48	226	14-Mar-16 A	14-Dec-16	27					
TSZ10690	Firemain installation (along NB54A)	0%	25	25	15-Dec-16	16-Jan-17	27					
<b>Underground Utility Works</b>												
UUZ20170	Utility cable laying by Utility companies (Along NB54A, 0-60m)	89.9%	10	99	05-Jul-16 A	31-Oct-16	0					
<b>NB57 (Ch.6365-6445)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB00860	NB57 - NB post & panel installation	50%	24	48	20-Sep-16 A	16-Nov-16	722					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10730	Watermain installation (along NB57)	0%	27	27	20-Oct-16	19-Nov-16	31					
TSZ10740	Firemain installation (along NB57)	0%	30	30	21-Nov-16	24-Dec-16	31					
TSZ10990	Backfilling for UU and Firemain & Watermain	0%	12	12	28-Dec-16	11-Jan-17	31					
<b>NB58 (Ch.6445-6480)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB00930	NB58 - NB post & panel installation	50%	24	48	20-Sep-16 A	16-Nov-16	722					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10790	Firemain installation (along NB58)	82.35%	9	51	29-Aug-16 A	29-Oct-16	85					
TSZ11010	Backfilling	55%	9	20	11-Oct-16 A	02-Nov-16	85					
<b>Underground Utility Works</b>												
UUZ20190	Utility cable laying by Utility companies (Along NB58, 0-45m)	92.86%	10	140	16-May-16 A	31-Oct-16	0					
<b>NB59 (Ch.6490-6590)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB00980	NB59 - backfilling	0%	12	12	29-Nov-16	12-Dec-16	39					
NB01000	NB59 - NB post installation	25%	12	16	15-Oct-16 A	02-Nov-16	734					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10840	Firemain installation (along NB59)	78.75%	34	160	20-May-16 A	28-Nov-16	39					
<b>NB63 (Ch.6610-6700)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB01050	NB63 - NB post installation	70.59%	5	17	05-Oct-16 A	25-Oct-16	741					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10340	Firemain installation (along NB63)	77.1%	30	131	20-Jun-16 A	23-Nov-16	55					
<b>Noise Barrier Along Fanling Highway N/B</b>												
<b>Site Clearance &amp; Demolition of Existing Structure</b>												
<b>General</b>												
ADVZ20160	TTA for NB works	0%	60	60	13-Jan-17	31-Mar-17	235					
<b>Bridge Construction</b>												
<b>New Tai Hang Footbridge</b>												
<b>General</b>												
THBF0350	Steel Staircase & Ramp prefabrication (THFB-TWSR-W)	83.52%	15	91	20-Jul-16 A	05-Nov-16	400					
THBF0360	Steel Staircase & Ramp available on site (THFB-TWSR-W side)	0%	0	0	07-Nov-16		400					◆ Steel Staircase & Ramp available on site (THFB-TWSR-W side)
THBF0370	Steel Staircase & Bridge prefabrication (THFB-TWSR-E side)	84.44%	14	90	20-Jul-16 A	04-Nov-16	431					
THBF0380	Steel Staircase & Bridge available on site (THFB-TWSR-E side)	0%	0	0	05-Nov-16		431					◆ Steel Staircase & Bridge available on site (THFB-TWSR-E side)
THBF0390	Steel Bridge prefabrication (THFB)	75.25%	25	101	20-Jul-16 A	17-Nov-16	420					
THBF0400	Steel Bridge available on site (THFB)	0%	0	0	18-Nov-16		420					◆ Steel Bridge available on site (THFB)
<b>TWSR-West/ FL Highway N/B Side Section</b>												
THBF0140	THP5 - Pile cap, Pier and Pier Head	92.16%	24	306	31-Oct-15 A	16-Nov-16	421					
THBF0180	THP8, THP9 - Pile cap, Pier and Pier Head	93.97%	24	398	13-Jul-15 A	16-Nov-16	481					
THBF0235	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		16-Nov-16	481					◆ Steel Staircase ready for erection (THFB-TWSR-W side)
THBF0270	THP6, THP7 - Pile cap, Pier and Pier Head	73.57%	74	280	01-Feb-16 A	17-Jan-17	341					
THBF0310	THAB2 - pile cap & abutment wall	81.25%	6	32	16-Sep-16 A	26-Oct-16	389					
THBF0320	THAB2 - Backfilling (~3m)	0%	20	20	27-Oct-16	18-Nov-16	389					
THBF0325	Steel Ramp ready for erection (THFB-TWSR-W side)	0%	0	0		17-Jan-17	341					◆
THBF0410	Erect Staircase (THFB-TWSR-W side)	0%	30	30	17-Nov-16	21-Dec-16	481					
THBF0420	Erect Ramp	0%	60	60	18-Jan-17	06-Apr-17	341					
<b>Crossing Fanling Highway Section</b>												
THBF0530	THP1 - Predrilling	0%	12	12	31-Dec-16	14-Jan-17	216					
THBF0540	THP1 - Pre-bored H pile (6 nos)	0%	45	45	16-Jan-17	16-Mar-17	216					
<b>TWSR-East FL Highway S/B Side Section</b>												
THBF0470	THAB1 - pile cap & abutment wall	0%	85	85	20-Oct-16	07-Feb-17	295					
THBF0730	THP3 - Pile cap, Pier and Pier Head	0%	45	45	01-Dec-16	25-Jan-17	364					
THBF0770	THP4 - Pile cap, Pier and Pier Head	67.86%	36	112	20-Jul-16 A	30-Nov-16	349					
THBF0780	Modified existing column head of existing footbridge	0%	30	30	01-Dec-16	07-Jan-17	349					
THBF0785	Reconstruction of existing span between P4 and existing pier	0%	30	30	09-Jan-17	20-Feb-17	349					
<b>Lift at TWSR-W Side</b>												
L1520	Lift shaft & roof	68.7%	36	115	16-Jul-16 A	30-Nov-16	379					
L1530	Structural Laminated glass wall installation	0%	30	30	01-Dec-16	07-Jan-17	423					
L1540	RC Platform connect to bridge	0%	30	30	01-Dec-16	07-Jan-17	379					
L1550	Metal cover on RC platform	0%	30	30	09-Jan-17	20-Feb-17	379					
L1557	Lift submission & ordering period	37.92%	149	240	02-Jul-16 A	27-Apr-17	340					
L1600	CLP Power available (by CLP)	30.71%	273	394	21-Jun-16 A	19-Jul-17	419					
<b>Lift at FLHY S/B</b>												
L1370	Lift shaft & roof	21.82%	86	110	20-Sep-16 A	08-Feb-17	346					
L1450	CLP Power available (by CLP)	30.71%	273	394	21-Jun-16 A	19-Jul-17	422					
<b>New Tai Wo Footbridge</b>												
<b>General</b>												

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				2017
								Oct	Nov	Dec	Jan	
TWFB1050	Steel Staircase & Ramp prefabrication (TWFB-TWSR-W)	60%	36	90	15-Aug-16 A	30-Nov-16	113					
TWFB1060	Steel Staircase & Ramp available on site (TWFB-TWSR-W side)	0%	0	0	01-Dec-16		113					◆ Steel Staircase & Ramp available on site (T
TWFB1090	Steel Bridge prefabrication (TWFB)	60%	36	90	15-Aug-16 A	30-Nov-16	590					
TWFB1100	Steel Bridge available on site (TWFB)	0%	0	0	01-Dec-16		590					◆ Steel Bridge available on site (TWFB)
<b>TWSR-West/ FL Highway N/B Side Section</b>												
TWFB1160	TWP1 - Pile cap, Pier and Pier Head	86.15%	32	231	18-Feb-16 A	25-Nov-16	117					
TWFB1240	TWAB2 - pile cap & abutment wall	70.37%	32	108	20-Jul-16 A	25-Nov-16	90					
TWFB1250	TWAB2 - Backfilling (~4m)	0%	27	27	26-Nov-16	29-Dec-16	90					
TWFB1260	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		29-Dec-16	90					29-Dec-16 ◆ Steel Staircase re
TWFB1300	TWP4, TWP5 - Pile cap, Pier and Pier Head	92.12%	23	292	16-Nov-15 A	15-Nov-16	126					
TWFB1350	TWAB1 - Backfilling (~3m)	0%	10	9	21-Oct-16 A	31-Oct-16	139					
TWFB1360	Steel Ramp ready for erection (TWFB-TWSR-W side)	0%	0	0		15-Nov-16	126					◆ Steel Ramp ready for erection (TWFB-TWSR-W side)
TWFB1370	Erect Staircase (TWFB-TWSR-W side)	0%	60	60	30-Dec-16	18-Mar-17	90					
TWFB1380	Erect Ramp	0%	60	60	01-Dec-16	20-Feb-17	113					
<b>Crossing Fanling Highway Section</b>												
TWFB1410	TWP2 - Predrilling	0%	18	18	17-Jan-17	14-Feb-17	90					
<b>Lift at TWSR-W Side</b>												
L1670	Lift shaft & roof	62.5%	60	160	21-Jun-16 A	30-Dec-16	492					
L1680	Structural Laminated glass wall installation	0%	30	30	31-Dec-16	13-Feb-17	535					
L1690	RC Link slab connect to bridge	0%	30	30	31-Dec-16	13-Feb-17	492					
L1730	Lift submission & ordering period	30.95%	203	294	02-Jul-16 A	04-Jul-17	422					
L1780	CLP Power available (by CLP)	15.44%	334	395	20-Aug-16 A	18-Sep-17	526					
<b>Temporary Tai Wo Footbridge</b>												
<b>Design Works</b>												
TWFB-T1030	Design amendment	68.49%	23	73	19-Aug-16 A	15-Nov-16	220					
TWFB-T1040	Design Available	0%	0	0		15-Nov-16	220					◆ Design Available
<b>Construction Works</b>												
TWFB-T1208	Erect Temp Column & link bridge to existing bridge at FLHY S/B	0%	150	150	16-Nov-16	27-May-17	284					
<b>Demolition of Existing Tai Wo Footbridge</b>												
<b>TWSR-West/ FL Highway N/B Side Section</b>												
TWFB-T1135	Demolish existing TWFB across TWSR-W	0%	3	3	03-Nov-16	05-Nov-16	85					
TWFB-T1230	Watermain & Firemain at NB58 & backfill	77.78%	12	54	29-Aug-16 A	02-Nov-16	85					
<b>TWSR-West Construction</b>												
<b>Drainage &amp; Road Works</b>												
<b>Ch 5880-6740</b>												
RDZ20160	Z2 : New TWSR-West D&R Works (lane 1)	0%	120	120	01-Nov-16	31-Mar-17	0					
<b>Noise Barrier Along Fanling Highway S/B</b>												
<b>NB46A (Ch.5880-5935)-FH S/B Side</b>												
<b>Noise Barrier Works</b>												
NB03230	Sheet piling for DN600 watermain diversion work (VO70)	0%	14	14	26-Oct-16*	10-Nov-16	502					
NB03240	Excavation & DN600 pipe laying	0%	75	75	11-Nov-16	17-Feb-17	502					
<b>NB51 (Ch.5935-6055)-FH S/B Side</b>												
<b>Noise Barrier Works</b>												
NB02280	NB51 ID1-3 (0-25m) - Footing & Wall Structure	0%	90	90	20-Oct-16	13-Feb-17	312					
<b>NB53 (Ch.6125-6300) -FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02430	Precautionary Measure installation	0%	26	26	20-Oct-16	18-Nov-16	453					
NB02440	NB53 (0-100m) - Sheet piling & Excavation	0%	26	26	19-Nov-16	19-Dec-16	453					
NB02450	NB53 (0-100m) - Footing & Wall Structure	0%	60	60	20-Dec-16	10-Mar-17	453					
NB02490	NB53 ID2-3 (100-125m), 18nos Predrilling	0%	10	10	02-Dec-16	13-Dec-16	536					
NB02500	NB53 ID2-3 (100-125m) 18nos Piling- 1 rigs	0%	27	27	14-Dec-16	17-Jan-17	536					
NB02510	NB53 ID2-3 (100-125m) - Sheet piling & Excavation	0%	21	21	18-Jan-17	18-Feb-17	536					
NB02590	NB53 (125-180m) - NB production	91.62%	14	167	20-May-16 A	02-Nov-16	904					
NB02600	NB53 (125-180m) - NB post & panel installation	0%	5	5	03-Nov-16	08-Nov-16	729					
<b>NB55 (Ch.6300-6360)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02640	NB55 - Footing & Wall Structure	95.95%	24	593	07-Nov-14 A	16-Nov-16	536					
NB02650	NB55- backfilling	0%	50	50	17-Nov-16	17-Jan-17	536					
NB02660	NB55 - NB production	87.46%	40	319	15-Jan-16 A	28-Nov-16	878					
NB02670	NB55 - NB post & panel installation	0%	5	5	18-Jan-17	23-Jan-17	667					
<b>NB56 (Ch.6360-6400)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02730	NB56 - NB production	94.55%	14	257	20-Feb-16 A	02-Nov-16	904					
NB02740	NB56 - NB post & panel installation	0%	5	5	03-Nov-16	08-Nov-16	729					
<b>NB61 (Ch.6400-6560)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB02770	NB61 (0-50m) - Sheet piling & Excavation	0%	18	18	20-Oct-16	09-Nov-16	628					
NB02780	NB61 (0-50m) - Footing & Wall Structure	0%	50	50	10-Nov-16	10-Jan-17	628					
NB02790	NB61 (0-50m)- backfilling	0%	50	50	11-Jan-17	17-Mar-17	628					
NB02800	NB61 (0-50m) - NB production	0%	45	45	11-Jan-17	24-Feb-17	790					
NB02850	NB61 (50-160m) - NB production	0%	45	45	20-Oct-16	03-Dec-16	873					
NB02860	NB61 (50-160m) - NB post & panel installation	0%	5	5	05-Dec-16	09-Dec-16	702					
<b>NB61A (Ch.6560-6745)-FH S/B Side (MTRC I&amp;P Area)</b>												

Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				2017
								Oct	Nov	Dec	Jan	
<b>Noise Barrier Works</b>												
NB02920	NB61A (0-50m) - NB production	84.38%	45	288	20-Feb-16 A	03-Dec-16	873					
NB02930	NB61A (0-50m) - NB post & panel installation	0%	5	5	05-Dec-16	09-Dec-16	702					
NB02970	NB61A ID2-3 (50-75m) - Footing & Wall Structure	88.87%	57	512	01-Apr-15 A	24-Dec-16	649					
NB02980	NB61A ID2-3 (50-75m)- backfilling	0%	20	20	28-Dec-16	20-Jan-17	664					
NB02990	NB61A ID2-3 (50-75m) - NB production	0%	45	45	24-Dec-16	07-Feb-17	807					
NB03040	NB61A (75-190m) - NB production	94.19%	15	258	20-Feb-16 A	03-Nov-16	903					
NB03050	NB61A (75-190m) - NB post & panel installation	0%	5	5	04-Nov-16	09-Nov-16	728					
<b>Box Culvert ID3 Works</b>												
<b>VO58 Extension of ID3</b>												
ID30095	Preparation work	0%	30	30	20-Oct-16 A	23-Nov-16	369					
ID30100	Demolish existing wing walls (N&S)	0%	30	30	24-Nov-16	30-Dec-16	222					
ID30110	Rock fill to the box culvert level	0%	20	20	31-Dec-16	24-Jan-17	222					
<b>Other Works</b>												
<b>Site Clearance &amp; Demolition of Existing Structure</b>												
<b>Contract Condition</b>												
MCLT1090	New MCLT - finishes works	52.28%	115	241	20-May-16 A	14-Mar-17	631					
<b>TCSS Works</b>												
<b>G54</b>												
TCSS1500	Slow lane footing - G54 (NB61)	0%	0	0		20-Oct-16	686					
20-Oct-16 ♦ Slow lane footing - G54 (NB61)												
<b>South Buffer Zone 1 (SBZ1) (within Zone 2)(Ch.6740 to 6930)</b>												
<b>Noise Barrier Along TWSR-West and Laying New Utilities</b>												
<b>NB63A (Ch.6710-6840)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB01200	NB63A-3 - NB post installation	83.87%	5	31	17-Sep-16 A	25-Oct-16	741					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10860	DSD Trunk Sewer laying (along NB63A)	89.9%	20	198	14-Mar-16 A	11-Nov-16	0					
TSZ10880	Watermain installation (along NB63A)	0%	30	30	12-Nov-16	16-Dec-16	20					
TSZ10890	Firemain installation (along NB63A)	0%	30	30	17-Dec-16	24-Jan-17	20					
<b>NB64 &amp; NB64A (Ch.6860-6920)-TWSR West Side</b>												
<b>Noise Barrier Works</b>												
NB001040	NB64 & NB64A -backfilling	0%	12	12	13-Dec-16	28-Dec-16	42					
NB001060	NB64 & NB64A -NB post & panel installation	85.17%	31	209	14-Mar-16 A	24-Nov-16	715					
<b>DSD Southern Trunk Sewer, Water Main Fire Main Works</b>												
TSZ10910	DSD Trunk Sewer laying (along NB64)	93.75%	10	160	20-Apr-16 A	31-Oct-16	10					
TSZ10920	Backfill up to NB64 footing level	0%	6	6	01-Nov-16	07-Nov-16	42					
TSZ10940	Firemain installation (along NB64)	0%	30	30	08-Nov-16	12-Dec-16	42					
TSZ11028	Demolish existing pile caps at Watermain	0%	30	30	01-Nov-16	05-Dec-16	126					
TSZ11030	Demolish existing pile cap at Watermain after NWP bridge	0%	30	30	03-Jan-17	14-Feb-17	75					
<b>Underground Utility Works</b>												
UZZ20220	Utility cable laying by Utility companies (Along NB64 & NB64A,	95%	10	200	29-Feb-16 A	31-Oct-16	0					
<b>Bridge Construction</b>												
<b>Kau Lung Hang Vehicular Bridge</b>												
<b>KLH Bridge - West Ramp</b>												
KLH.1290	West Ramp - Planting	0%	21	21	20-Oct-16	12-Nov-16	725					
<b>KLH Bridge - Deck 1</b>												
KLH.3430	Deck 1 - Planting	0%	21	21	20-Oct-16	12-Nov-16	725					
KLH.3630	Pedestrian walkway Roof P2 to P3	0%	38	38	16-Nov-16*	31-Dec-16	2					
KLH.3640	Pedestrian walkway floor finishes P2 to P3	0%	14	14	03-Jan-17	18-Jan-17	2					
<b>KLH Bridge - Deck 2</b>												
KLH.3160	Pedestrian walkway Roof P5-P6	0%	38	38	16-Nov-16*	31-Dec-16	6					
KLH.3170	Pedestrian walkway floor finishes P5-P6	0%	14	14	28-Dec-16	13-Jan-17	6					
KLH.3260	Pedestrian walkway Roof P4 to P5	0%	37	37	16-Nov-16*	30-Dec-16	3					
KLH.3270	Pedestrian walkway floor finishes P4 to P5	0%	14	14	31-Dec-16	17-Jan-17	3					
KLH.3360	Pedestrian walkway Roof P3 to P4	0%	38	38	16-Nov-16*	31-Dec-16	2					
KLH.3370	Pedestrian walkway floor finishes P3 to P4	0%	14	14	03-Jan-17	18-Jan-17	2					
<b>KLH Bridge - Deck 3</b>												
KLH.3500	Deck 3 - Planting	0%	21	21	20-Oct-16	12-Nov-16	757					
KLH.3650	Pedestrian walkway Roof P6 to P7	0%	25	25	01-Dec-16*	31-Dec-16	2					
KLH.3660	Pedestrian walkway floor finishes P6 to P7	0%	14	14	03-Jan-17	18-Jan-17	2					
<b>KLH Bridge - East Ramp</b>												
KLH.3590	East Ramp - Planting	0%	34	34	20-Oct-16	28-Nov-16	1065					
<b>KLH Bridge - Ramp R1</b>												
Z2.KLH.1670	Ramp R1 - Pile caps and pier construction (R1P3)	72.29%	23	83	08-Aug-16 A	15-Nov-16	0					
Z2.KLH.1680	Ramp R1 - Ramp construction (Abutment R1 to R1P1)	50%	49	98	20-Aug-16 A	15-Dec-16	28					
Z2.KLH.1685	Ramp R1 - Ramp construction (R1P1 to P1P3)	0%	30	30	16-Nov-16	20-Dec-16	0					
Z2.KLH.3610	Ramp R1 - Steel roof	0%	30	30	30-Nov-16	06-Jan-17	0					
Z2.KLH.3620	Ramp R1 - finishes work	0%	30	30	14-Dec-16	20-Jan-17	0					
<b>KLH Bridge - Ramp R2</b>												
Z2.KLH.1523	VO 028 - Boundary Wall to Hse 190B structure	0%	24	24	20-Oct-16*	16-Nov-16	696					
Z2.KLH.1524	VO 028 - Boundary Wall to Hse 190B E&M, Drainage	0%	26	26	17-Nov-16	16-Dec-16	696					
Z2.KLH.1530	Ramp R2 - Pile cap, abutment and pier construction	88.04%	36	301	20-Nov-15 A	30-Nov-16	14					
Z2.KLH.1540	Ramp R2 - Ramp construction	0%	45	45	24-Oct-16	14-Dec-16	14					



Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				2017
								Oct	Nov	Dec	Jan	
Z2.KLH.1545	Ramp R2 - Ramp construction (section after VBP6-7 deck)	0%	35	35	04-Nov-16	14-Dec-16	20					
Z2.KLH.1550	Ramp R2 - Steel roof	0%	40	40	12-Nov-16	30-Dec-16	20					
Z2.KLH.1920	Ramp R2 - finishes work	0%	30	30	26-Nov-16	03-Jan-17	14					
<b>Bridge Road Work</b>												
Z2.KLH.2030	Diversion of existing pedestrian to proposed Kiu Lung Hang Vehicular	0%	1	1	04-Jan-17	04-Jan-17	14					
Z2.KLH.2040	Landscape work of KLHVB	0%	120	120	20-Oct-16	20-Mar-17	626					
<b>Lift at TWSR-W Side</b>												
L01030	Pile test (As Confirmed by ER, No pile test is required)	0%	0	0	20-Oct-16	20-Oct-16	506					
L01040	Temp work & Pile cap	0%	45	45	20-Oct-16	10-Dec-16	506					
L01050	Lift pit	0%	24	24	12-Dec-16	11-Jan-17	506					
L01060	Lift shaft & roof	0%	52	52	12-Jan-17	21-Mar-17	506					
L01094	Lift submission & ordering period	22.45%	228	294	01-Aug-16 A	02-Aug-17	429					
L01140	CLP Power available (by CLP)	48.3%	213	412	04-Apr-16 A	20-May-17	685					
<b>Lift at FLHY S/B</b>												
L01180	Earliest date for lift construction resume	0%	0	0	12-Nov-16		441					
L01190	Set up & Pile test	0%	30	30	12-Nov-16	16-Dec-16	441					
L01200	Temp work & Pier cap	0%	45	45	17-Dec-16	18-Feb-17	441					
L01300	CLP Power available (by CLP)	44.92%	244	443	04-Apr-16 A	20-Jun-17	660					
<b>Demolition of Existing Nam Wa Po Footbridge</b>												
<b>Demolition Work</b>												
Z2.NWP.1060	Temporary support installation at existing Fanling Highway	0%	65	65	03-Nov-16	20-Jan-17	0					
<b>Noise Barrier Along Fanling Highway S/B</b>												
<b>NB62 (Ch.6745-6910)-FH S/B Side (MTRC I&amp;P Area)</b>												
<b>Noise Barrier Works</b>												
NB03080	NB62 (0-80m) - Sheet piling & Excavation	0%	18	18	20-Oct-16	09-Nov-16	628					
NB03090	NB62 (0-80m) - Footing & Wall Structure	0%	60	60	10-Nov-16	21-Jan-17	628					
NB03130	NB62 (80-110m) Under bridge - Sheet piling & Excavation	0%	12	12	10-Nov-16	23-Nov-16	651					
NB03140	NB62 (80-110m) Under bridge - Footing & Wall Structure	0%	25	25	24-Nov-16	22-Dec-16	651					
NB03150	NB62 (80-110m) Under bridge - backfilling	0%	14	14	23-Dec-16	11-Jan-17	672					
NB03160	NB62 (80-110m) Under bridge - NB production	0%	45	45	23-Dec-16	05-Feb-17	809					
NB03180	NB62 (110-170m) - Sheet piling & Excavation	0%	18	18	20-Oct-16	09-Nov-16	628					
NB03190	NB62 (110-170m) - Footing & Wall Structure	0%	60	60	10-Nov-16	21-Jan-17	628					
<b>NB70 (Ch.6910-6930)-FH S/B Side</b>												
<b>Noise Barrier Works</b>												
NB03280	NB70 - NB production	40%	45	75	20-Sep-16 A	03-Dec-16	873					
NB03290	NB70- NB post & panel installation	0%	5	5	05-Dec-16	09-Dec-16	702					
<b>North Buffer Zone 2 (NBZ2) (within Zone 4) (Ch. 7925 to 8100)</b>												
<b>Bridge Construction</b>												
<b>New Ho Ka Yuen Footbridge</b>												
<b>TWSR-West/ FL Highway N/B Side Section</b>												
HKY1250	HKYAB3 - pile cap & abutment wall	57.65%	36	85	20-Aug-16 A	30-Nov-16	700					
HKY1260	HKYAB3 - Backfilling (~4m)	0%	12	12	01-Dec-16	14-Dec-16	700					
HKY1270	Steel Staircase ready for erection (THFB-TWSR-W side)	0%	0	0		14-Dec-16	700					
HKY1273	Erect Staircase (HKY-TWSR-W side)	0%	30	30	15-Dec-16	21-Jan-17	700					
HKY1440	Remaining Finishes works of HKYFB	0%	150	150	20-Oct-16	28-Apr-17	628					
<b>TWSR-East FL Highway S/B Side Section</b>												
HKY1870	Steel Ramp finishes work (HKYFB-TWSR-E side)	16.67%	30	36	13-Oct-16 A	23-Nov-16	748					
<b>Other Works</b>												
<b>Slope Works</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
S1000	Slope S51-Fill ~3m	0%	40	40	20-Oct-16	05-Dec-16	642					
<b>ZONE 4 (Ch. 7925 to 8700)</b>												
<b>Noise Barrier Along Fanling Highway N/B</b>												
<b>NB75 (Ch.7930-8090)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB4040	NB75 -Pre-drilling (Ch7930-7990)	0%	24	24	11-Nov-16	08-Dec-16	68					
NB4050	NB75 - piling (NB75/01-05, 0.19m -24no)	0%	48	48	09-Dec-16	14-Feb-17	68					
NB4100	NB75 -Pre-drilling (Ch7990-8000)-(HKY-P1) & G34	0%	24	24	09-Dec-16	09-Jan-17	181					
NB4160	NB75 -Pre-drilling (Ch8000-8050)	0%	48	48	09-Dec-16	14-Feb-17	68					
<b>NB77 (Ch.8090-8450)-FH N/B Side</b>												
<b>Noise Barrier Works</b>												
NB4285	TTA for FH N/B (Stage 6) start	0%	0	0	11-Nov-16		7					
NB4290	NB77 -Pre-drilling (Ch8090-8190)	0%	24	24	18-Nov-16	15-Dec-16	1					
NB4300	NB77 - piling (NB77/01-08, 0.19m -34no)	0%	68	68	05-Dec-16	04-Mar-17	1					
NB4350	NB77 -Pre-drilling (Ch8190-8290)	0%	72	72	18-Nov-16	21-Feb-17	21					
NB4410	NB77 -Pre-drilling (Ch8290-8390)	0%	60	60	16-Dec-16	07-Mar-17	15					
<b>Bridge Construction</b>												
<b>New Wo Hop Shek Pedstrian &amp; Cycle Bridge</b>												
<b>General</b>												
WHS1120	Diversion of existing pedestrian from existing to proposed footbridge	0%	1	1	19-Nov-16	19-Nov-16	14					
<b>TWSR-West/ FL Highway N/B Side Section</b>												
WHS2020	Diverse pedestrian from existing ramp to new ramp	0%	0	0		18-Nov-16	14					
<b>Crossing Fanling Highway Section</b>												
WHS1490	Finishes Work	48%	26	50	20-Sep-16 A	18-Nov-16	14					



Activity ID	Activity Name	Dur. % Complete	Rem. Duration	Original Duration	Start	Finish	Total Float	2016				2017
								Oct	Nov	Dec	Jan	
WHS1500	Bridge Structure complete (WHSB-Cross fanling highway)	0%	0	0		18-Nov-16	14					18-Nov-16 ♦ Bridge Structure complete (WHSB-Cross fanling highway)
<b>Demolition of Existing Wo Hop Shek Pedstrian &amp; Cycle Bridge</b>												
<b>TWSR-West/ FL Highway N/B Side Section</b>												
WHS1870	Install Temp support to remove existing ramp	0%	25	25	19-Nov-16	17-Dec-16	294					
WHS1880	Remove existing ramp for 2nd half new ramp construction	0%	35	35	19-Dec-16	08-Feb-17	294					
WHS1890	Demolish existing WHS footbridge (TWSR-W side)	0%	30	30	21-Nov-16	24-Dec-16	555					
WHS2030	Remove temp filled platform	0%	30	30	28-Dec-16	09-Feb-17	555					
<b>Crossing Fanling Highway Section</b>												
WHS1790	Erect Temp platform for bridge demolition	7.5%	37	40	17-Oct-16 A	01-Dec-16	465					
WHS1800	Demolish existing WHS Footbridge	0%	60	60	02-Dec-16	21-Feb-17	465					
<b>TWSR-East FL Highway S/B Side Section</b>												
WHS1840	Demolish existing WHS Footbridge abutment wall at W77A	0%	20	20	21-Nov-16	13-Dec-16	14					
<b>Slip Road Y Construction</b>												
<b>Drainage &amp; Road Works</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
RDZ41085	Construct Slip Rd Y (Ch7925-8050)(SA346) - remaining	0%	150	150	20-Oct-16	28-Apr-17	386					
<b>VO - Wall 76A Construction</b>												
<b>Retaining Wall W76A</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
W76A1050	Drainage work for Caltex access road	0%	150	150	20-Oct-16	28-Apr-17	478					
<b>Fanling Highway Construction</b>												
<b>Drainage &amp; Road Works</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
RDZ41086	Construct FH S/B Lane 1 & 2 (Ch7925-8000)(SA346) (after HKY	0%	145	145	20-Oct-16	22-Apr-17	290					
RDZ41090	Remove FH central barrier & road work for TTA	57.78%	19	45	17-Sep-16 A	10-Nov-16	1					
RDZ41100	TTA for FH N/B Lane 1, 2, 3 construction (Ch7925-8600)(SA340)	0%	6	6	11-Nov-16	17-Nov-16	1					
RDZ41114	Construct FH N/B Lane 3 (Ch7925-8600)	0%	68	68	18-Nov-16	16-Feb-17	150					
<b>Other Works</b>												
<b>Retaining Wall W77A</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
RWZ4.1075	Temp Shoring & Excavation	0%	45	45	14-Dec-16	15-Feb-17	14					
RWZ4.1080	Base slab & Wall (3-7m high)- RW77A (Ch.0-20)	0%	90	90	16-Jan-17	15-May-17	14					
RWZ4.1140	Base slab & Wall (0-3m high)- RW77A (Ch.92-120)	47.54%	32	61	13-Sep-16 A	25-Nov-16	24					
RWZ4.1150	Backfilling (0-3m) - RW77A (Ch.92-120)	0%	30	30	26-Nov-16	03-Jan-17	24					
RWZ4.1160	CLP 132kV cable diversion	0%	54	54	26-Nov-16	08-Feb-17	29					
<b>Retaining Wall W77B</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
RWZ4.1100	Base slab & Wall (0-3m high)- RW77B (Ch 0-23)	0%	60	60	20-Oct-16	30-Dec-16	76					
RWZ4.1110	Backfilling (0-3m) - RW77B (Ch 0-23)	0%	30	30	31-Dec-16	13-Feb-17	76					
RWZ4.1115	Temp Shoring & Excavation	90%	21	210	01-Mar-16 A	12-Nov-16	180					
RWZ4.1120	Base slab & Wall (3-4m high)- RW77B (Ch.23-75)	69.46%	51	167	01-Jun-16 A	17-Dec-16	115					
<b>Retaining Wall W78</b>												
<b>TWSR-East FL Highway S/B Side Section</b>												
RWZ4.0900	Site Clearance	0%	30	30	14-Nov-16	17-Dec-16	180					
<b>TCSS Works</b>												
<b>TCSS Pre-Construction Works</b>												
TCSS0120	Prepare Shop Drawing-TCSS	0%	45	45	20-Oct-16	10-Dec-16	221					
TCSS0130	Shop Drawing Comment & Approval	0%	21	21	10-Dec-16	31-Dec-16	279					
TCSS0140	Revised & Re-submission TCSS shop Drawing	0%	18	18	03-Jan-17	23-Jan-17	221					
<b>G35</b>												
TCSS1550	Slip road island footing - G35 (CH8410, N/B)	0%	30	30	18-Nov-16	22-Dec-16	451					
<b>FVMS2 (Deleted by RFI-138, Pending for VO)</b>												
TCSS1640	Slow lane footing - FVMS2 (CH8400, S/B)- Deleted by RFI-138	0%	30	30	20-Oct-16	23-Nov-16	596					

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

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

### **Air Quality – Schedule of Recommended Mitigation Measures**

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 16	Sep 16	Oct 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 <sup>3</sup> shall be enclosed, covered or dampened during dry or windy conditions.		V	V	@
	Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas.		V	@	V
	All spraying of materials and surfaces shall avoid excessive water usage.		V	V	V
	Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards.		V	V	V
	Materials shall be dampened, if necessary, before transportation.		V	V	V
	Travelling speeds shall be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks.		V	V	V
	Vehicle washing facilities shall be provided to minimize the quantity of material deposited on public roads.		@	@	@

### Noise – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 16	Sep 16	Oct 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		
			Aug 16	Sep 16	Oct 16
Water quality during construction	Demolition and reconstruction of bridges <ul style="list-style-type: none"> <li>- Prevent off-site migration through use of sheet piles.</li> <li>- Minimise duration of works as far as practical.</li> <li>- All sewer and drainage connections should be sealed to prevent debris, soil, sand, etc, from entering public sewers/drains.</li> <li>- Site surface runoff should be settled to remove sand/silt before it is discharged into the existing storm drains.</li> </ul>	During construction	V	V	V
	Road Widening Works, Earthworks and Culvert Extension Works <ul style="list-style-type: none"> <li>- 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.</li> <li>- Sand traps, oil interceptors and other pollution prevention installations should be provided, properly cleaned and maintained.</li> <li>- 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.</li> <li>- Regular inspections of stilling basins and/or silt traps is required to ensure that sediment is not conveyed into the existing drainage system.</li> <li>- Open stockpiles should be covered with a tarpaulin cover.</li> <li>- During the wet season, any exposed top soils should be covered with a tarpaulin, shotcreted or hydroseeded.</li> <li>- Sand and silt from wash-water from vehicle washing should be settled out before discharging into storm drains.</li> <li>- Fuels should be stored in bunded areas such that spillage can be easily collected.</li> </ul>		V	@	@

### Waste – Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 16	Sep 16	Oct 16
Waste management during construction	<b>General Waste</b> <ul style="list-style-type: none"> <li>- Transport of wastes off site as soon as possible.</li> <li>- Maintenance of accurate waste records.</li> <li>- Minimisation of waste generation for disposal (via reduction/recycling/re-use).</li> <li>- No on-site burning will be permitted.</li> <li>- Use of re-useable metal hoardings/signboards.</li> </ul>	During construction	V	V	V
	<b>Vegetation from site clearance</b> <ul style="list-style-type: none"> <li>- Segregation of materials to facilitate disposal.</li> <li>- Mulching to reduce bulk and where possible review opportunities for the possible beneficial use within landscaping areas.</li> </ul>		V	V	V
	<b>Demolition Wastes</b> <ul style="list-style-type: none"> <li>- Segregation of materials to facilitate disposal.</li> <li>- Appropriate stockpile management.</li> </ul>		V	V	V
	<b>Excavated Materials</b> <ul style="list-style-type: none"> <li>- Segregation of materials to facilitate disposal / reuse.</li> <li>- Appropriate stockpile management.</li> <li>- Re-use of excavated material on or off site (where possible).</li> <li>- Special handling and disposal procedures in the event that contaminated materials are excavated.</li> </ul>		V	V	V
	<b>Construction Wastes</b> <ul style="list-style-type: none"> <li>- Segregation of materials to facilitate recycling/reuse (within designated area in appropriate containers/stockpiles).</li> <li>- Appropriate stockpile management.</li> <li>- Planning to reduce over ordering and waste generation.</li> <li>- Recycling and re-use of materials where possible (e.g. metal, wood from formwork)</li> <li>- For material which cannot be re-used/recycled, collection should be carried out by an approved waste contractor for landfill disposal.</li> </ul>		V	@	V
	<b>Bentonite Slurries</b> <ul style="list-style-type: none"> <li>- Bentonite slurries should be reused as far as possible.</li> <li>- Disposal in accordance with Practice Note For Professional Persons ProPECC PN 1/94.</li> </ul>		#	#	#

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



**Ecology – Schedule of Recommended Mitigation Measures**

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 16	Sep 16	Oct 16
Ecology during construction	<p>Accurate Delineation of Works Area</p> <ul style="list-style-type: none"> <li>- Boundaries of proposed works areas shall be clearly identified and separated from external areas by a physical barrier to prevent encroachment of adjacent habitats.</li> <li>- 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.</li> </ul>	During construction	V	V	V
	<p>Vegetation Clearance</p> <ul style="list-style-type: none"> <li>- No fires shall be lit within the works area for the purpose of burning cleared vegetation.</li> <li>- The Contractor shall give consideration to mulching the cleared vegetation for recycling within the works area / adjacent land.</li> </ul>		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"> <li>- Vehicle washing facilities to be provided at every discernible or designated vehicle exit point;</li> <li>- All temporary site access roads shall be sprayed with water to suppress dust as necessary;</li> <li>- All dusty materials should be sprayed with water immediately prior to any handling; and</li> <li>- All debris should be covered entirely by impervious sheeting or stored in a sheltered debris collection area.</li> </ul>		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"> <li>- Bund and cover stock piles to avoid run-off;</li> <li>- Channel any run-off through a system of oil, grease and sediment / silt traps and reuse water on site where ever practical;</li> <li>- All vehicle maintenance to be undertaken within a bunded area; and</li> <li>- Maximise vegetation retention on-site to maximise absorption (minimise transport).</li> </ul>		V	V	V

**Landscape and Visual Impact – Schedule of Recommended Mitigation Measures**

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 16	Sep 16	Oct 16
Landscape & Visual during construction	<b>Preservation of Existing Vegetation</b> - Trees identified for retention within the project limit would be protected during the works; - The tree transplanting and planting works shall be implemented by approved Landscape Contractors.	During construction	V	V	V
	<b>Temporary Works Areas</b> - 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
	<b>Hoarding</b> - 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
	<b>Top Soils</b> - 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.		#	#	#
	<b>Protection of Important Landscape Features</b> - 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.

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

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## 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 <sup>3</sup>	500 µg/m <sup>3</sup>

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

Location	Action Level	Limit Level
AM2	200.7 µg/m <sup>3</sup>	260 µg/m <sup>3</sup>

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

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

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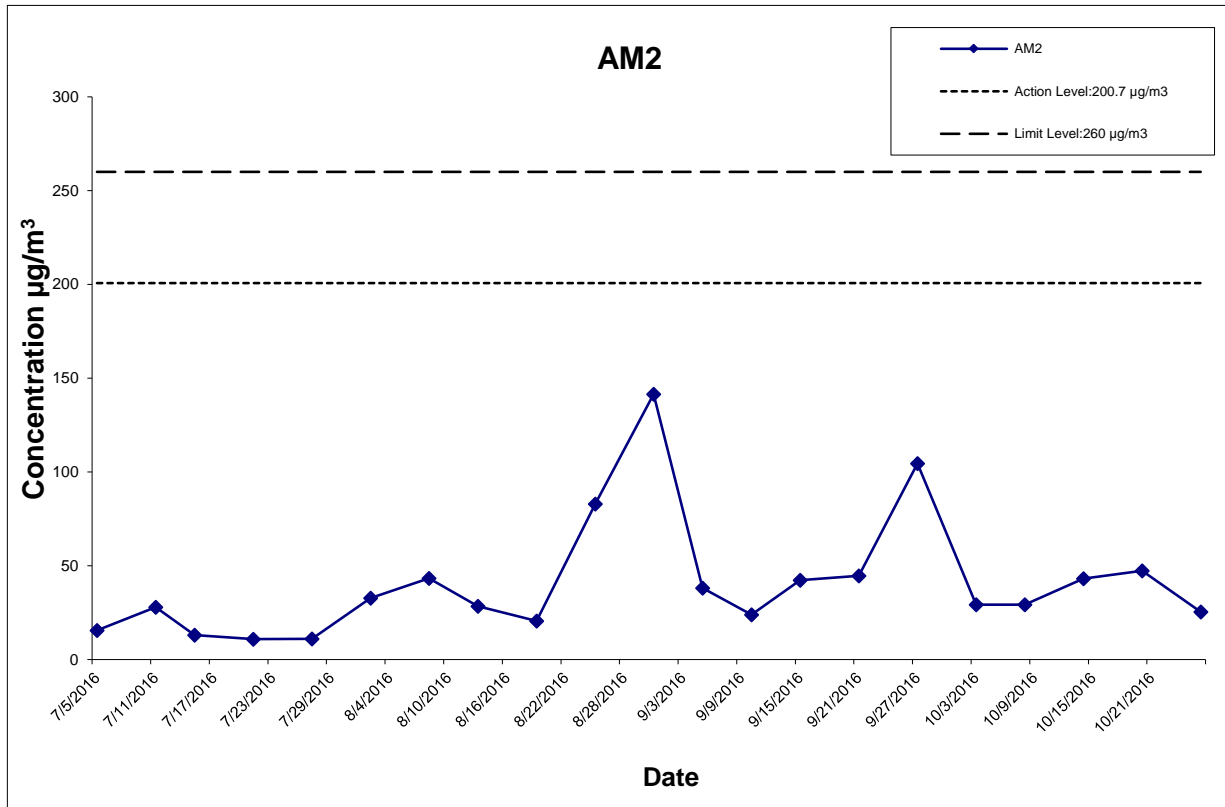
## Impact Air Quality Monitoring Results

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

Date	Weather Condition	Air Temp. (°C)	Atmospheric Pressure(hPa)	Flow Rate (m <sup>3</sup> /min.)		Av. flow (m <sup>3</sup> /min)	Total vol. (m <sup>3</sup> )	Filter Weight (g)		Particulate weight(g)	Elapse Time		Sampling Time(hrs.)	Conc. (µg/m <sup>3</sup> )	Actino Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )
				Initial	Final			Initial	Final		Initial	Final				
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
2-Aug-16	Rainy	27.1	995.9	1.314	1.314	1.314	1892.2	2.8072	2.8693	0.0621	7558.03	7582.03	24.00	32.8	200.7	260
8-Aug-16	Sunny	30.5	1003.0	1.314	1.314	1.314	1892.2	2.8007	2.8827	0.0820	7582.03	7606.03	24.00	43.3	200.7	260
13-Aug-16	Sunny	28.8	999.8	1.314	1.314	1.314	1892.2	2.8278	2.8818	0.0540	7606.03	7630.03	24.00	28.5	200.7	260
19-Aug-16	Fine	28.2	1003.0	1.314	1.314	1.314	1892.2	2.8446	2.8833	0.0387	7630.03	7654.03	24.00	20.5	200.7	260
25-Aug-16	Fine	30.4	1004.2	1.314	1.314	1.314	1892.2	2.8290	2.9860	0.1570	7654.03	7678.03	24.00	83.0	200.7	260
31-Aug-16	Sunny	28.6	1006.3	1.314	1.314	1.314	1892.2	2.8408	3.1086	0.2678	7678.03	7702.03	24.00	141.5	200.7	260
5-Sep-16	Rainy	27.1	1006.1	1.314	1.314	1.314	1892.2	2.8580	2.9303	0.0723	7702.03	7726.03	24.00	38.2	200.7	260
10-Sep-16	Rainy	26.3	1007.8	1.314	1.314	1.314	1892.2	2.8700	2.9153	0.0453	7726.03	7750.03	24.00	23.9	200.7	260
15-Sep-16	Sunny	29.4	1002.9	1.314	1.314	1.314	1892.2	2.8643	2.9443	0.0800	7750.03	7774.03	24.00	42.3	200.7	260
21-Sep-16	Sunny	27.1	1014.4	1.314	1.314	1.314	1892.2	2.7900	2.8746	0.0846	7774.03	7798.03	24.00	44.7	200.7	260
27-Sep-16	Sunny	31.1	1002.6	1.314	1.314	1.314	1892.2	2.8658	3.0638	0.1980	7798.03	7822.03	24.00	104.6	200.7	260
3-Oct-16	Sunny	27.5	1007.8	1.314	1.314	1.314	1892.2	2.8192	2.8744	0.0552	7722.03	7746.03	24.00	29.2	200.7	260
8-Oct-16	Cloudy	28.1	1006.8	1.314	1.314	1.314	1892.2	2.8385	2.8940	0.0555	7746.03	7770.03	24.00	29.3	200.7	260
14-Oct-16	Fine	26.7	1013.2	1.314	1.314	1.314	1892.2	2.8303	2.9121	0.0818	7770.03	7794.03	24.00	43.2	200.7	260
20-Oct-16	Fine	25.1	1008.7	1.314	1.314	1.314	1892.2	2.8317	2.9213	0.0896	7794.03	7818.03	24.00	47.4	200.7	260
26-Oct-16	Sunny	27.1	1015.6	1.314	1.314	1.314	1892.2	2.8283	2.8763	0.0480	7818.03	7842.03	24.00	25.4	200.7	260

Average for the reporting quarter (Aug 16 to Oct 16)	48.6
Minimum for the reporting quarter (Aug 16 to Oct 16)	20.5
Maximum for the reporting quarter (Aug 16 to Oct 16)	141.5





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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

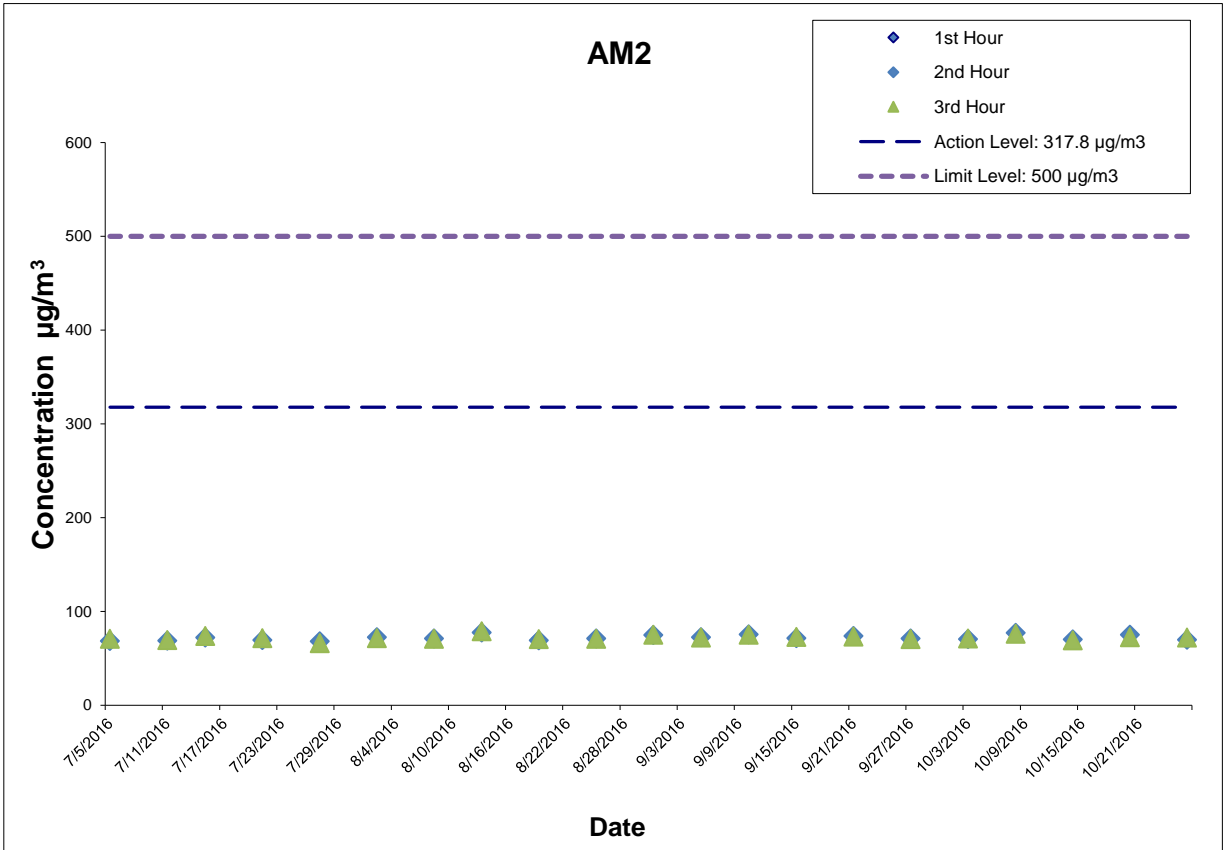
Date: Dec-16

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	2nd Hour	3rd Hour
		Conc. ( $\mu\text{g}/\text{m}^3$ )	Conc. ( $\mu\text{g}/\text{m}^3$ )	Conc. ( $\mu\text{g}/\text{m}^3$ )
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
2-Aug-16	13:00	72.1	72.6	71.7
8-Aug-16	14:59	70.4	71.2	70.8
13-Aug-16	10:15	78.4	77.6	79.1
19-Aug-16	11:40	71.2	69.4	70.6
25-Aug-16	15:09	70.8	71.2	70.9
31-Aug-16	10:08	76.1	74.8	75.2
5-Sep-16	10:49	73.4	72.7	72.2
10-Sep-16	10:10	76.4	75.7	75.2
15-Sep-16	13:30	72.5	71.6	73.0
21-Sep-16	13:50	72.8	73.8	73.3
27-Sep-16	14:00	72.1	71.3	70.6
3-Oct-16	11:58	72.0	70.6	71.3
8-Oct-16	10:22	75.6	77.2	76.4
14-Oct-16	12:39	68.9	70.2	69.1
20-Oct-16	13:10	74.3	75.2	72.5
26-Oct-16	11:10	71.6	70.0	72.4
Average for the reporting quarter (Aug 16 to Oct 16)				72.9
Minimum for the reporting quarter (Aug 16 to Oct 16)				68.9
Maximum for the reporting quarter (Aug 16 to Oct 16)				79.1



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 WIDENING OF FANLING HIGHWAY  
 - TAI HANG TO WO HOP SHEK INTERCHANGE



Graphical Presentation of Impact 1-hour TSP Monitoring Results

Project No.: 60307376

Date: Dec-16

Appendix E

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**APPENDIX F  
METEROLOGICAL DATA**

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## Daily Extract of Meteorological Observations , August 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	998.4	31.7	29.6	26.7	24.6	75	***	***	***
02	994.9	28.3	26.1	24.4	24.6	92	***	***	***
03	1005.9	26.9	26.1	25.0	25.2	95	***	***	***
04	1008.3	27.8	26.1	25.4	25.5	96	***	***	***
05	1007.8	32.0	28.1	25.8	26.4	91	***	***	***
06	1004.2	34.5	29.9	26.1	25.1	77	***	***	***
07	1002.0	35.0	29.7	26.8	26.3	83	***	***	***
08	1002.2	35.0	29.6	27.0	26.7	85	***	***	***
09	1001.3	32.8	27.8	24.0	26.3#	90#	***	***	***
10	1002.0	27.8	25.9	23.9	***	***	***	***	***
11	1002.5	30.4	27.1	25.5	***	***	***	***	***
12	1000.6	29.9	27.4	26.1	26.7#	92#	***	***	***
13	999.1	31.1	28.6	26.8	26.3	88	***	***	***
14	997.8	28.3	26.8	25.2	25.7	94	***	***	***
15	996.9	29.2	26.3	25.0	25.7	97	***	***	***
16	995.6	26.9	26.0	25.1	25.7	98	***	***	***
17	993.5	27.8	26.6	25.0	26.1	97	***	***	***
18	995.8	27.9	26.7	25.6	26.0	96	***	***	***
19	1002.6	30.1	27.7	25.9	26.5	94	***	***	***
20	1004.1	32.1	28.1	26.5	27.3	95	***	***	***
21	1002.5	32.2	27.1	23.6	25.2	90	***	***	***
22	1004.2	32.2	28.6	26.0	25.8	86	***	***	***
23	1004.2	33.5	29.3	25.3	25.0	79	***	***	***
24	1003.3	32.4	29.5	26.7	25.7	80	***	***	***
25	1003.7	32.6	29.7	26.7	26.0	81	***	***	***
26	1004.0	33.5	29.7	26.5	25.9	80	***	***	***
27	1005.9	31.6	29.1	26.6	26.0	83	***	***	***
28	1006.0	29.4	26.7	24.8	24.2	87	***	***	***
29	1007.0	27.3	25.7	24.4	22.2	81	***	***	***
30	1007.1	29.9	27.0	24.0	23.1	79	***	***	***
31	1005.7	30.5	27.5	24.3	24.7	85	***	***	***

\*\*\* 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 , August 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	***	32.7	29.9	27.1	***	***	0.0	280	12.9
02	***	28.3	26.0	24.5	***	***	44.5	240	24.0
03	***	27.7	26.0	25.1	***	***	29.0	060	7.3
04	***	29.0	26.2	25.2	***	***	6.5	060	14.7
05	***	32.5	29.0	26.3	***	***	0.0	060	6.8
06	***	33.9	30.0	26.1	***	***	0.0	280	11.0
07	***	34.9	30.0	27.4	***	***	0.0	280	10.0
08	***	34.6	29.6	27.3	***	***	0.5	070	5.0
09	***	33.7	28.1	24.1	***	***	40.0	280	4.0
10	***	27.6	25.9	23.9	***	***	51.0	070	6.3
11	***	29.5	27.3	25.3	***	***	0.0	050	6.4
12	***	30.3	27.6	26.4	***	***	1.5	290	6.6
13	***	31.6	28.3	26.5	***	***	0.0	090	12.2
14	***	28.5	26.4	25.0	***	***	20.5	070	17.6
15	***	29.6	26.3	24.9	***	***	18.0	060	11.6
16	***	27.1	25.9	25.0	***	***	8.0	050	15.9
17	***	27.8	26.5	25.4	***	***	11.0	090	30.3
18	***	27.2	26.4	25.3	***	***	41.0	130	20.1
19	***	29.7	27.4	25.4	***	***	0.5	090	11.6
20	***	31.8	28.7	26.7	***	***	0.0	280	3.6
21	***	30.8	26.8	22.4	***	***	70.0	280	6.7
22	***	31.4	28.3	26.1	***	***	0.0	060	9.3
23	***	33.7	29.2	26.2	***	***	0.0	160	4.3
24	***	33.1	29.3	26.8	***	***	0.0	060	8.0
25	***	34.0	29.6	26.8	***	***	0.0	070	7.7
26	***	34.8	30.0	27.1	***	***	0.0	070	6.5
27	***	31.6	29.0	27.0	***	***	2.0	060	7.1
28	***	28.5	26.8	25.0	***	***	48.0	050	11.8
29	***	27.6	25.7	24.9	***	***	0.0	050	16.8
30	***	31.9	27.5	24.9	***	***	0.0	170	4.3
31	***	31.7	28.0	25.1	***	***	0.0	280	4.8

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Rainfall measured in increment of 0.5 mm. Amount of &lt; 0.5 mm cannot be detected

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## Daily Extract of Meteorological Observations , September 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	1002.5	30.7	27.8	25.4	26.2	91	***	***	***
02	1001.3	31.0	27.9	26.9	26.4	92	***	***	***
03	1002.1	29.6	27.7	25.7	26.5	93	***	***	***
04	1004.7	29.5	27.8	26.7	25.5	87	***	***	***
05	1005.7	27.9	26.8	25.5	25.3	92	***	***	***
06	1006.2	27.9	26.5	25.8	25.6	95	***	***	***
07	1006.8	28.1	26.0	25.3	25.3	96	***	***	***
08	1007.5	29.0	26.6	25.5	25.8	96	***	***	***
09	1007.8	28.6	26.2	25.1	25.4	96	***	***	***
10	1007.3	28.6	25.3	24.4	25.1	99	***	***	***
11	1008.0	30.1	26.5	24.3	25.4	94	***	***	***
12	1009.8	31.9	28.1	24.8	25.2	85	***	***	***
13	1009.8	30.7	27.8	26.2	25.6	88	***	***	***
14	1004.1	32.7	29.2	26.0	23.2	71	***	***	***
15	1002.4	31.7	29.3	27.1	22.9	69	***	***	***
16	1004.4	30.5	28.2	25.8	23.6	76	***	***	***
17	1005.3	31.5	28.8	25.9	22.4	69	***	***	***
18	1006.5	30.9	27.9	24.4	22.5	73	***	***	***
19	1007.6	30.8	27.7	24.7	23.1	77	***	***	***
20	1011.9	28.4	24.8	22.3	23.2	91	***	***	***
21	1014.1	29.0	26.6	23.7	23.2	83	***	***	***
22	1013.2	28.3	27.1	26.0	22.6	77	***	***	***
23	1011.7	29.0	27.2	26.2	23.6	81	***	***	***
24	1010.0	29.5	27.4	26.4	24.0	82	***	***	***
25	1009.2	30.9	28.0	26.2	24.8	83	***	***	***
26	1007.0	32.2	28.4	26.0	25.3	84	***	***	***
27	1002.1	34.3	30.8	26.7	23.7	68	***	***	***
28	998.7	31.5	30.1	28.7	21.5	60	***	***	***
29	1003.6	28.7	25.7	23.4	20.1	71	***	***	***
30	1007.3	27.0	24.6	23.0	21.2	81	***	***	***

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Rainfall measured in increment of 0.5 mm. Amount of &lt; 0.5 mm cannot be detected

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## Daily Extract of Meteorological Observations , September 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	***	29.8	27.7	25.2	***	***	16.0	240	11.3
02	***	31.5	27.7	26.2	***	***	8.0	270	7.2
03	***	30.4	27.7	25.6	***	***	0.5	070	6.8
04	***	30.4	27.5	25.9	***	***	0.0	110	15.5
05	***	28.1	26.6	25.4	***	***	19.5	060	15.0
06	***	27.5	26.4	25.6	***	***	19.5	060	5.0
07	***	29.1	26.1	25.3	***	***	4.0	290	6.2
08	***	29.3	27.0	25.8	***	***	0.0	070	3.4
09	***	30.3	26.6	25.1	***	***	9.5	290	5.8
10	***	28.7	25.6	24.6	***	***	31.5	260	4.0
11	***	31.1	27.0	24.7	***	***	0.0	080	3.8
12	***	31.8	27.9	25.4	***	***	0.0	130	8.7
13	***	30.5	27.4	25.1	***	***	1.0	060	9.8
14	***	32.3	29.3	26.0	***	***	0.0	300	8.0
15	***	32.8	29.2	26.3	***	***	0.0	280	9.5
16	***	31.4	28.7	26.5	***	***	0.0	060	9.5
17	***	32.9	28.8	26.3	***	***	0.0	050	13.7
18	***	32.3	28.2	25.0	***	***	0.0	160	7.2
19	***	31.8	27.7	25.2	***	***	0.5	060	12.0
20	***	28.8	24.9	22.6	***	***	62.0	120	9.6
21	***	29.1	26.2	23.8	***	***	0.5	120	14.3
22	***	28.4	26.5	24.9	***	***	0.0	110	16.9
23	***	29.7	26.8	25.2	***	***	0.0	070	15.7
24	***	29.4	27.1	25.6	***	***	0.0	100	16.4
25	***	32.3	27.8	25.8	***	***	0.0	120	9.8
26	***	32.1	28.4	25.7	***	***	0.0	160	4.7
27	***	34.7	30.8	26.8	***	***	0.0	290	6.6
28	***	31.5	29.8	28.0	***	***	0.0	290	18.6
29	***	28.2	25.8	23.4	***	***	0.0	350	9.9
30	***	27.9	25.0	22.8	***	***	0.0	250	2.5

\*\*\* unavailable

Rainfall measured in increment of 0.5 mm. Amount of &lt; 0.5 mm cannot be detected



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## Daily Extract of Meteorological Observations , October 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	1009.5	28.4	25.5	22.9	24.2	92	***	***	***
02	1008.6	29.4	26.8	24.7	25.1	91	***	***	***
03	1007.5	27.8	26.9	25.4	24.7	88	***	***	***
04	1007.6	29.9#	27.6	25.3#	24.6	84	***	***	***
05	1008.5	30.4#	27.6	25.8#	24.8	85	***	***	***
06	1008.7	30.8	27.9	24.6	24.2	81	***	***	***
07	1006.8	28.9	27.1	24.6	24.1	84	***	***	***
08	1006.6	28.6	27.6	26.4	22.7	75	***	***	***
09	1008.8	27.4	25.6	24.0	20.3	73	***	***	***
10	1009.9	27.0#	24.7	22.8#	19.3	72	***	***	***
11	1010.6	26.1	23.6	21.0	20.2	81	***	***	***
12	1012.6	24.7#	23.2	21.2#	21.7	92	***	***	***
13	1013.3	27.1	25.2	22.9	22.0	83	***	***	***
14	1012.9	28.3	26.1	24.2	22.2	79	***	***	***
15	1012.2	28.6	26.3	23.9	21.8	77	***	***	***
16	1010.6	30.1	27.1	23.9	22.6	77	***	***	***
17	1008.9	28.7	26.5	24.1	23.4	84	***	***	***
18	1007.9	25.5	24.5	23.8	24.4	99	***	***	***
19	1008.2	26.3	24.8	24.0	24.3	97	***	***	***
20	1004.2	30.3#	27.1	23.6#	24.2	84	***	***	***
21	996.2	27.1#	25.2	23.8#	23.8	92	***	***	***
22	1007.0	30.3	27.0	24.9	24.7	88	***	***	***
23	1009.5	28.2	25.9	24.0	25.3	96	***	***	***
24	1010.7	28.4	26.6	24.8	25.4	93	***	***	***
25	1012.8	28.2	26.5	25.0	24.8	91	***	***	***
26	1015.1	29.3#	26.3	24.3#	24.4	90	***	***	***
27	1015.6	30.2	26.6	23.3	24.0	86	***	***	***
28	1014.6	30.9	26.9	23.8	24.0	84	***	***	***
29	1016.9	28.4	25.6	23.9	22.9	85	***	***	***
30	1019.6	25.2#	23.1	20.9#	18.9	77	***	***	***
31	1018.7#	26.9#	25.1#	21.4#	20.0#	74#	***	***	***

\*\*\* unavailable

# data incomplete

Rainfall measured in increment of 0.5 mm. Amount of &lt; 0.5 mm cannot be detected

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## Daily Extract of Meteorological Observations , October 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	***	28.1	25.6	23.3	***	***	59.0	090	9.7
02	***	30.6	26.8	24.8	***	***	1.5	060	6.7
03	***	27.9	26.7	25.5	***	***	0.0	060	13.2
04	***	30.4	27.4	25.4	***	***	0.0	060	9.7
05	***	30.6	27.6	26.0	***	***	0.0	060	10.3
06	***	31.7#	27.7	25.0#	***	***	2.5	050	11.0
07	***	29.5#	27.2	24.8#	***	***	8.0	050	9.8
08	***	28.7	27.5	26.1	***	***	0.0	050	22.8
09	***	27.9	25.3	23.4	***	***	0.0	050	15.7
10	***	28.0#	24.4	22.4#	***	***	0.0	070	15.0
11	***	26.4	23.4	21.1	***	***	0.0	060	11.6
12	***	24.4#	23.3	21.5#	***	***	2.0	060	20.3
13	***	27.1	24.9	22.9	***	***	0.5	050	19.2
14	***	28.9	25.8	23.5	***	***	0.0	060	16.8
15	***	28.9	26.2	22.9	***	***	0.0	060	12.6
16	***	31.1#	27.6	25.5#	***	***	0.0	060	15.0
17	***	29.0	26.0	23.6	***	***	13.5	070	26.5
18	***	25.0	24.2	23.2	***	***	127.0	100	44.2
19	***	25.5	24.7	23.8	***	***	131.0	110	28.8
20	***	29.4#	26.6	23.9#	***	***	0.0	150	5.6
21	***	27.4	25.2	23.7	***	***	54.0	280	28.7
22	***	30.2	26.9	25.1	***	***	2.0	260	11.0
23	***	29.3	26.3	24.5	***	***	1.0	070	3.7
24	***	29.8	26.4	25.1	***	***	0.0	070	6.9
25	***	28.3	26.1	25.0	***	***	0.0	100	10.8
26	***	28.8#	25.9	24.2#	***	***	0.0	080	8.8
27	***	30.2#	26.5	24.1#	***	***	0.0	090	5.6
28	***	30.0	26.8	24.6	***	***	0.0	110	4.7
29	***	28.0	25.2	22.5	***	***	0.5	050	16.7
30	***	25.6	23.1	21.1	***	***	0.0	040	14.5
31	***	27.4#	24.3	21.5#	***	***	0.0	060	14.7

\*\*\* unavailable

# data incomplete

Rainfall measured in increment of 0.5 mm. Amount of &lt; 0.5 mm cannot be detected

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

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**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-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
2-Aug-16	12:55	68.8	70.0	63.4	75	N
8-Aug-16	15:20	70.4	72.5	68.2	75	N
19-Aug-16	11:29	70.9	72.4	68.2	75	N
25-Aug-16	15:29	70.9	72.5	68.2	75	N
31-Aug-16	9:54	69.6	71.2	66.4	75	N
5-Sep-16	10:03	68.9	70.0	65.9	75	N
15-Sep-16	14:30	69.9	71.5	63.0	75	N
21-Sep-16	13:00	69.7	71.1	66.8	75	N
27-Sep-16	14:20	68.8	70.5	66.0	75	N
3-Oct-16	13:50	70.1	73.2	68.4	75	N
14-Oct-16	13:30	69.9	71.5	67.2	75	N
20-Oct-16	14:02	70.3	72.0	67.5	75	N
26-Oct-16	13:00	69.6	72.0	68.0	75	N
Minimum for Aug 16 to Oct 16		68.8	70.0	63.0		
Maximum for Aug 16 to Oct 16		70.9	73.2	68.4		
Average for Aug 16 to Oct 16		69.9	71.7	67.0		

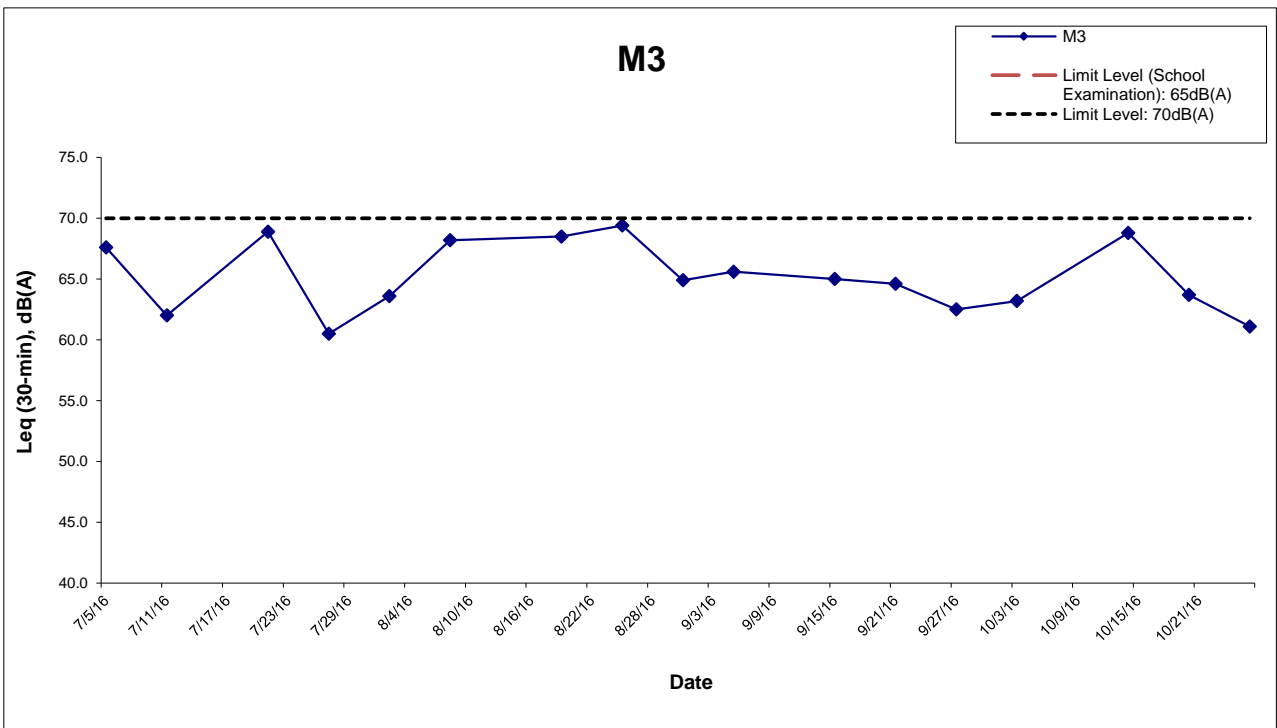
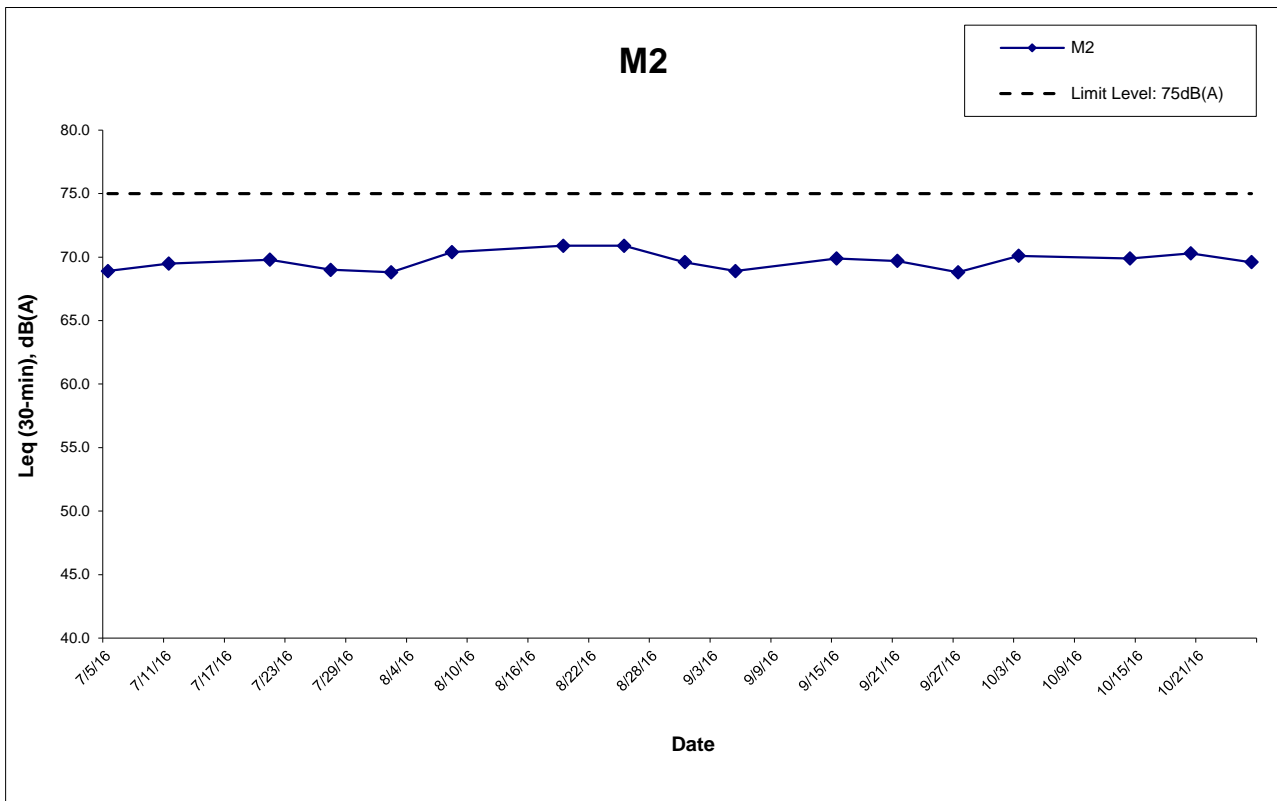
**Location : M3 (Fanling Government Secondary School- Façade)**

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-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
2-Aug-16	13:00	63.6	66.0	60.1	70	N
8-Aug-16	16:10	68.2	70.5	66.3	70	N
19-Aug-16	11:14	68.5	70.4	66.7	70	N
25-Aug-16	15:16	69.4	71.5	67.2	70	N
31-Aug-16	10:46	64.9	66.0	62.1	70	N
5-Sep-16	10:49	65.6	66.2	62.1	70	N
15-Sep-16	13:30	65.0	67.5	61.0	70	N
21-Sep-16	13:50	64.6	66.1	62.0	70	N
27-Sep-16	14:00	62.5	63.5	60.0	70	N
3-Oct-16	14:00	63.2	66.2	58.6	70	N
14-Oct-16	14:29	68.8	70.2	66.5	70	N
20-Oct-16	13:13	63.7	65.5	61.5	70	N
26-Oct-16	11:10	61.1	62.5	58.5	70	N
Minimum for Aug 16 to Oct 16		61.1	62.5	58.5		
Maximum for Aug 16 to Oct 16		69.4	71.5	67.2		
Average for Aug 16 to Oct 16		66.1	67.9	63.6		

\* +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: Dec-16

Appendix G

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

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

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