

Highways Department

Agreement No. CE 20/2009 (EP)

**Environmental Team for the Widening of
Tolo Highway / Fanling Highway between
Island House Interchange and Fanling**

**(Stage 1)
Between Island House Interchange and
Tai Hang - Investigation**

**Quarterly EM&A Summary Report
for February 2014 to April 2014**

[05/2014]

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29 May 2014
By Fax (2805 5028) and Post

Attn.: Mr. James Penny

Dear Sir,

**Widening of Tolo Highway between
Island House Interchange and Tai Hang
Environmental Permit No.: EP-324/2008/B
Submission of Quarterly EM&A Summary Report for February to April 2014 (Stage 1)**

We refer to the Quarterly EM&A Summary Report for February to April 2014 for the captioned Project submitted by ET via email on 23 and 27 May 2014. We confirm we have no comment.

Yours faithfully
for MOTT MACDONALD HONG KONG LIMITED



Terence Kong
Independent Environmental Checker

c.c. HyD – Mr. Raymond T W Kong / Mr. Dennis Wong / Mr. William Chiang (Fax: 2761 4864)
ETL, AECOM – Mr. Y T Tang (Fax: 2317 7609)

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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) and is governed by an Environmental Permit (EP-324/2008)(EP) issued by EPD on 23 December 2008. Subsequently, EPD issued a Variation of Environmental Permit (EP-324/2008/A) (VEP) on 31 January 2012. The VEP (EP-324/2008/B) was subsequently granted on 17 March 2014 which superseded the previous EP (EP-324/2008/A). The most recent variation of the EP does not cover Stage 1 (between Island House Interchange and Tai Hang) of the Project.

The Project aims 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). The construction works of Stage 1 commenced on 23 November 2009 and will tentatively be completed in June 2014. This report focuses on Stage 1 of the Project only.

The construction phase of Stage 1 under the EPs and the Environmental Monitoring and Audit (EM&A) programme for Stage 1 of the Project commenced on 23 November 2009. The impact environmental monitoring and audit includes air quality and noise monitoring.

This report documents the findings of EM&A works conducted in the period between 1 February 2014 and 30 April 2014. As informed by the Contract 1 Contractor (CSHK), construction activities in the reporting period were:-

- Temporary shoring, sheetpiling and excavation;
- At-grade road construction;
- Retaining wall construction;
- Noise barrier footing construction;
- Noise barrier panels installation;
- Asphalt laying; and
- Installation of Drainage Pipes.

The construction works carried out by the Contract 2 Contractor (GCL) in the reporting period were:-

- Condition survey of existing structures;
- Setting up the temporary traffic arrangement;
- Excavation of trial trenches to locate existing utilities;
- Construction of haul road;
- Construction of concrete profile barrier and beam barrier;
- Construction of Pilecap / Spread footing of Noise Barrier / Semi Noise Enclosure;
- Slope works, including installation of soil nails;
- Noise barrier construction;
- Modification of existing bridge structures;
- Entrusted watermains works;
- Sewer Installation;
- Road and drainage works; and
- Landscaping works.

Environmental Monitoring Works

A summary of monitoring and audit activities conducted in the reporting quarter is listed below:-

24-hour TSP monitoring	15 sessions
1-hour TSP monitoring	45 sessions
Daytime Noise monitoring	13 regular sessions
Environmental Site inspection	13 sessions (Contract 1) / 13 sessions (Contract 2)

Breaches of Action and Limit Levels for Air Quality

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

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

Breaches of Action and Limit Levels for Noise

No exceedance of Limit and Action Levels was recorded for noise monitoring in the reporting quarter.

Complaint, Notification of Summons and Successful Prosecution

There was one (1) complaint (including one (1) dust-related complaint) followed up by the Environmental Team (ET) in the reporting quarter.

There were two (2) follow-up complaints (including (1) noise-related follow-up complaint and (1) dust-related follow-up complaint) followed up by the ET in the reporting quarter.

Investigations were carried out. Findings and proposed mitigation measures of the complaints were submitted to all relevant parties.

No notifications of summons and successful prosecutions was received in the reporting quarter.

1 INTRODUCTION

Background

- 1.1. Tolo Highway and Fanling Highway are expressways in the North East New Territories connecting Sha Tin, Tai Po and Fanling. These highways form a vital part of the strategic Route 9, which links Hong Kong Island to Shenzhen. At present, this section of Route 9 is dual 3-lane carriageway. However, at several major interchanges along this section of Route 9, the highway is only dual-2 lane. Severe congestion is a frequent occurrence during peak periods, particularly in the Kowloon bound direction.
- 1.2. 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.
- 1.3. 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) and is governed by an Environmental Permit (EP-324/2008)(EP) issued by EPD on 23 December 2008. Subsequently, EPD issued a Variation of Environmental Permit (EP-324/2008/A) (VEP) on 31 January 2012. The VEP (EP-324/2008/B) was subsequently granted on 17 March 2014 which superseded the previous EP (EP-324/2008/A). The most recent variation of the EP does not cover Stage 1 (between Island House Interchange and Tai Hang) of the Project.
- 1.4. The scope of the Project comprises mainly:
 - (i) Widening of a 5.7 km section of Tolo Highway and 3.0 km section of Fanling Highway between Island House Interchange and Wo Hop Shek Interchange from the existing dual 3-lane to dual 4-lane, including construction of new vehicular bridges;
 - (ii) Widening of interchange sections at Island House Interchange, Tai Po North Interchange, and Lam Kam Road Interchange from dual 2-lane to dual 3-lane, except Sha Tin bound carriageway at Tai Po North Interchange, which is widened from 3-lane to 4-lane, including realignment of various slip roads;
 - (iii) Modification and reconstruction of highways, vehicular bridges, underpasses and footbridges.
- 1.5. 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). The construction works of Stage 1 commenced on 23 November 2009 and will tentatively be completed in June 2014. This report focuses on Stage 1 of the Project only.
- 1.6. The construction works for Stage 1 of the Project will be implemented under 2 works contracts (Contract 1 and Contract 2). Contract 1 covers the section of Tolo Highway between Island House Interchange and Ma Wo, Contract 2 covers the section of Tolo Highway between Ma Wo and Tai Hang.
- 1.7. Hyder-Arup-Black and Veatch Joint Venture (HABVJV) are appointed by Highways Department (HyD) as the consultants for the design and construction assignment for the Tolo project under Agreement No. CE 58/2000 Supplementary Agreement No. 3 (SA3) (i.e. the Engineer for the Contracts).
- 1.8. China State Construction Engineering (Hong Kong) Ltd. (CSHK) was commissioned as the Contractor of Contract 1 of Stage 1 of the Project, while Gammon Construction Limited (GCL) was commissioned as the Contractor of Contract 2 of Stage 1 of the Project.
- 1.9. AECOM Asia Co. Ltd. was employed by Highways Department as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) works for Stage 1 of the Project and Mott MacDonald Hong Kong Ltd. acts as the Independent Environmental Checker (IEC) for the Contracts.
- 1.10. The construction phase of Stage 1 under the EPs commenced on 23 November 2009.

- 1.11. According to the updated EM&A Manual of Stage 1 of the Project, there is a need of an EM&A programme including air quality and noise monitoring. The EM&A programme for Stage 1 of the Project commenced on 23 November 2009.

Scope of Report

- 1.12. This is the eighteenth Quarterly EM&A Summary Report under the Agreement No. CE 20/2009 (EP) - Widening of Tolo Highway between Island House Interchange and Tai Hang – Investigation. This report presents a summary of the environmental monitoring and audit works, list of activities and mitigation measures proposed by the ET for Stage 1 of the Project between 1 February 2014 and 30 April 2014.

Project Organization

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

Table 1.1 Contact Information of Key Personnel

Party	Position	Name	Telephone	Fax
ER of Stage 1, Contract 1 (Hyder-Arup-Black & Veatch Joint Venture)	Chief Resident Engineer /TOLO1	James Tsang	9038 8797	2667 4000
ER of Stage 1, Contract 2 (Hyder-Arup-Black & Veatch Joint Venture)	Chief Resident Engineer /TOLO2	Paul Appleton	9097 5833	2653 2348
IEC of Stage 1 (Mott MacDonald Hong Kong Limited)	Independent Environmental Checker	Terence Kong	2828 5919	2827 1823
Contractor of Stage 1, Contract 1 (China State Construction Engineering (Hong Kong) Limited)	Site Agent	Eddie Tang	9863 7686	2667 5666
	Environmental Officer	Michael Tsang	9277 4956	2667 5666
Contractor of Stage 1, Contract 2 (Gammon Construction Limited)	Site Agent	John Chan	3126 1202	2559 3410
	Environmental Officer	Thomson Chang	9213 6569	2559 3410
		Crispin Ao	9223 8773	2559 3410
ET of Stage 1 (AECOM Asia Company Limited)	ET Leader	Y T Tang	3922 9393	3922 9797

Summary of Construction Works

- 1.14. The construction phase of Stage 1 under the EPs commenced on 23 November 2009. Details of the construction works carried out by the Contract 1 Contractor (CSHK) in this reporting period are listed below:-
- Temporary shoring, sheetpiling and excavation;
 - At-grade road construction;
 - Retaining wall construction;
 - Noise barrier footing construction;
 - Noise barrier panels installation;
 - Asphalt laying; and
 - Installation of Drainage Pipes.
- 1.15. The construction works carried out by the Contract 2 Contractor (GCL) in the reporting period were:-
- Condition survey of existing structures;
 - Setting up the temporary traffic arrangement;
 - Excavation of trial trenches to locate existing utilities;
 - Construction of haul road;
 - Construction of concrete profile barrier and beam barrier;
 - Construction of Pilecap / Spread footing of Noise Barrier / Semi Noise Enclosure;
 - Slope works, including installation of soil nails;
 - Noise barrier construction;
 - Modification of existing bridge structures;
 - Entrusted watermains works;
 - Sewer Installation;
 - Road and drainage works; and
 - Landscaping works.
- 1.16. The Construction Programmes are shown in Appendix B.
- 1.17. The general layout plan of the Project site showing the contract areas is shown in Figure 1.1.
- 1.18. The environmental mitigation measures implementation schedule are presented in Appendix C.

2 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

Monitoring Parameters

- 2.1. The updated EM&A Manual designated 4 air quality monitoring stations and 7 noise monitoring stations to monitor environmental impacts on air quality and noise due to Stage 1 of the Project.
- 2.2. For air quality, monitoring locations AM2 (Shan Tong New Village) and AM3 (Riverain Bayside) were set up at the proposed locations in accordance with updated EM&A Manual. However, for monitoring locations: Dynasty View and Tai Po Garden, proposed in the updated EM&A Manual, as approval could not be obtained from the owner's corporation of the premises, impact air quality monitoring was conducted at alternative monitoring locations: AM1 (Ha Wun Yiu) and AM4 (Tai Kwong Secondary School). The monitoring station at 13 Ha Wun Yiu (AM1) was relocated to Fan Sin Temple, 3 Sheung Wun Yiu (AM1A) in February 2010.
- 2.3. For noise, monitoring stations NM3 (Wong Shiu Chi Middle School), NM6 (PLK Tin Ka Ping Primary School) and NM7 (Riverain Bayside) were set up at the proposed locations in accordance with updated EM&A Manual. However, for monitoring locations: Tai Po Garden, Dynasty View, Hong Kong Teachers' Association Lee Heng Kwei Secondary School and Grand Palisades, proposed in the updated EM&A Manual, as approval of access could not be obtained from the owner's corporation of the premises or the principal of the education institutes, impact noise monitoring was conducted at alternative monitoring locations: NM1 (Tai Kwong Secondary School), NM2 (Ha Wun Yiu), NM4 (Uptown Plaza) and NM5 (The Paragon).
- 2.4. As Tai Kwong Secondary School was closed down with effect from 1 September 2011, air quality (AM4) and noise (NM1) monitoring stations were relocated to 168 Shek Kwu Lung Village, naming AM4A and NM1A respectively, starting from 1 September 2011. The same air quality Action and Limit of AM4 were adopted for AM4A. For the measured construction noise level, the same noise Action Level of NM1 was adopted for NM1A, whereas Limit Level for residential noise sensitive receiver was adopted for NM1A.
- 2.5. The monitoring locations used during the reporting period are depicted in Figure 2.1.
- 2.6. The updated EM&A Manual also required environmental site inspections for air quality, noise, water quality, chemical, waste management, ecology and landscape and visual impact.

Environmental Quality Performance Limits (Action/Limit Levels)

- 2.7. 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 respective monitoring stations (AM1, AM2, AM3 and AM4), while the environmental quality performance limits of noise monitoring were defined in the EM&A Manual.
- 2.8. The environmental quality performance limits of air quality and noise monitoring and are given in Appendix D.

Environmental Mitigation Measures

- 2.9. Relevant environmental mitigation measures were stipulated in the Particular Specification and EPs (EP-324/2008, EP-324/2008/A and EP-324/2008/B) 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. Air quality monitoring, including 1-hour and 24-hour TSP, was conducted at least 3 times every 6 days and at least once every 6 days respectively at the 4 monitoring stations (AM1A, AM2, AM3 and AM4A), in accordance with the updated EM&A Manual.
- 3.2. The weather was mostly sunny, with several fine, cloudy and rainy days in the reporting quarter. The major dust source in the reporting period included construction activities from Stage 1 of the Project, as well as nearby traffic emissions.
- 3.3. The number of monitoring events and exceedances recorded in each month of the reporting quarter are presented in Table 3.1 and Table 3.2 respectively.

Table 3.1 Summary of Number of Monitoring Events for 1-hr & 24-hr TSP Concentration

Monitoring Parameter	Location	No. of monitoring events		
		Feb 14	Mar 14	Apr 14
1-hr TSP	AM1A	15	15	15
	AM2	15	15	15
	AM3	15	15	15
	AM4A	15	15	15
24-hr TSP	AM1A	5	5	5
	AM2	5	5	5
	AM3	5	5	5
	AM4A	5	5	5

Table 3.2 Summary of Number of Exceedances for 1-hr & 24-hr TSP Monitoring

Monitoring Parameter	Location	Level of Exceedance	Level of Exceedance		
			Feb 14	Mar 14	Apr 14
1-hr TSP	AM1A	Action	0	0	0
		Limit	0	0	0
	AM2	Action	0	0	0
		Limit	0	0	0
	AM3	Action	0	0	0
		Limit	0	0	0
	AM4A	Action	0	0	0
		Limit	0	0	0
		Total	0	0	0
	24-hr TSP	AM1A	Action	0	0
Limit			0	0	0
AM2		Action	0	0	0
		Limit	0	0	0
AM3		Action	0	0	0
		Limit	0	0	0
AM4A		Action	0	0	0
		Limit	0	0	0
		Total	0	0	0

- 3.4. All 1-hour TSP results were below the Action and Limit Level at all monitoring locations in the reporting quarter.
- 3.5. All 24-hour TSP results were below the Action and Limit Level at all monitoring locations in the reporting period.
- 3.6. The graphical plots of the impact air quality monitoring results are provided in Appendix E.

4 CONSTRUCTION NOISE MONITORING

- 4.1. Construction noise monitoring was conducted at the 7 monitoring stations (NM1A, NM2, NM3, NM4, NM5, NM6 and NM7) for at least once per week during 07:00 – 19:00 in the reporting quarter.
- 4.2. The major noise sources during the noise monitoring included construction activities of Stage 1 of the Project and nearby traffic noise. In addition, for NM3 and NM6, general school activities are also a major noise source during the noise monitoring.
- 4.3. The number of construction noise monitoring events and exceedances are summarized in Table 4.1 and Table 4.2 respectively.

Table 4.1 Summary of Number of Monitoring Events for Construction Noise

Monitoring Parameter	Location	No. of monitoring events		
		Feb 14	Mar 14	Apr 14
	NM1A	4	4	5
	NM2	4	4	5
	NM3	4	4	4
	NM4	4	4	5
	NM5	4	4	4
	NM6	4	4	5
	NM7	4	4	4

Table 4.2 Summary of Number of Monitoring Exceedances for Construction Noise

Monitoring Parameter	Location	Level of Exceedance	Level of Exceedance		
			Feb 14	Mar 14	Apr 14
	NM1A	Level of Exceedance	0	0	0
	NM2		0	0	0
	NM3		0	0	0
	NM4		0	0	0
	NM5		0	0	0
	NM6		0	0	0
	NM7		0	0	0
			Total	0	0

- 4.4. All measured construction noise levels were below the Limit level and the graphical plots of the trends of the monitoring results are provided in Appendix F. No Limit and Action level exceedance of construction noise monitoring was recorded in the reporting quarter.

5 ENVIRONMENTAL SITE INSPECTION AND AUDIT

5.1. Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for Stage 1 of the Project. In the reporting quarter, 13 site inspections were carried out for Contract 1 and 13 site inspections were carried out for Contract 2 of the Project.

5.2. Particular observations and reminder during the site inspections for Contract 1 are described below:-

Air Quality

5.2.1. No adverse observation was identified in the reporting quarter.

Noise

5.2.2. No adverse observation was identified in the reporting quarter.

Water Quality

5.2.3. The Contractor was reminded to clear the oil stain on the ground.

Chemical and Waste Management

5.2.4. The Contractor was reminded to clear the general refuse under the bridge.

5.2.5. The Contractor was reminded to provide a drip tray to the chemicals.

Landscape and Visual Impact

5.2.6. The Contractor was reminded to fence off retained trees under Bridge 10A for maximum protection.

Miscellaneous

5.2.7. Stagnant water was observed at the catch pit. The Contractor was reminded to clear the water or treat the water regularly with larvicidal oil to prevent mosquito breeding.

5.3. Particular observations during the site inspections for Contract 2 are described below:-

Air Quality

5.3.1. The Contractor was reminded to cover the exposed slope at Gate 48 with tarpaulin sheets.

5.3.2. Mud was observed at the edge of the footpath at NLKP3. The Contractor was reminded to clear the mud and increase the height of sand bags to prevent the overflow of sand from the construction site.

5.3.3. Exposed slope was observed. The Contractor was reminded to prevent soil from being depositing in existing drainage systems and the river nearby by covering the slope with tarpaulin sheets.

5.3.4. The Contractor was reminded to spray dusty surfaces with water.

Noise

5.3.5. No adverse observation was identified in the reporting quarter.

Water Quality

5.3.6. Oil leakage was observed under the generator. The Contractor was reminded to close the knob of the drip tray and clear the oil stain on the ground. Moreover, the drip tray should be cleared and kept tidy.

- 5.3.7. The Contractor was reminded to clear the deposited soil at road edges of Bridge 18 next to the works areas regularly.
- 5.3.8. The Contractor was reminded to clear the water at the wheel-washing facilities.

Chemical and Waste Management

- 5.3.9. Chemical containers were found under Bridge R15a. The Contractor was reminded to provide drip tray or storage the containers properly.
- 5.3.10. The Contractor was reminded to provide a drip tray to hold the oil drums or remove the oil drums.
- 5.3.11. The Contractor was reminded to label chemical containers.
- 5.3.12. General refuse was observed near the worker rest area. The Contractor was reminded to clear the refuse to maintain site cleanliness.
- 5.3.13. Oil drums were observed at the east abutment of Bridge 18. The Contractor was reminded to remove the oil drums.

Landscape and Visual Impact

- 5.3.14. The Contractor was reminded to clear the construction materials next to the trees or fence off the trees for protection.

Miscellaneous

- 5.3.15. The Contractor was reminded to clear the stagnant water inside the waste skip to prevent mosquito breeding.

6 ADVICE ON THE SOLID AND LIQUID WASTE MANAGEMENT STATUS

- 6.1. The Contract 1 Contractor (CSHK) and the Contract 2 Contractor (GCL) are registered as chemical waste producers for Stage 1 of the Project. C&D material sorting was carried out on site. Sufficient numbers of receptacles were available for general refuse collection.
- 6.2. As advised by the Contract 1 Contractor (CSHK), 521m³ of inert C&D material was disposed as public fill to Tuen Mun 38 (of which 21m³ was broken concrete), while 352m³ of general refuse were disposed at NENT landfill. 173,353kg of metal, 974kg of paper/cardboard and 12,852kg of plastic were collected by recycling contractor in the reporting quarter. 2,696m³ and 603m³ of inert C&D materials were reused on site and in NENT for backfilling respectively. On the other hand, 0kg of chemical waste was collected by licensed contractor in the reporting period.
- 6.3. As advised by the Contract 2 Contractor (GCL), 625m³ of inert C&D material were disposed to Tuen Mun 38 and 785m³ of general refuse was disposed to NENT landfill in the reporting period. 0m³ of paper/cardboard packaging was collected by the recycling contractor in the reporting period. 0kg of plastics and 0kg of metals were collected by the recycling contractor in the reporting period. No inert C&D materials was reused on site. 1805m³ of inert C&D materials was reused in other projects. No chemical waste was collected by the licensed contractor in the reporting period.
- 6.4. The Contract 1 Contractor (CSHK) and the Contract 2 Contractor (GCL) are advised to maintain on site waste sorting and recording system and maximize reuse / recycle of C&D wastes.

7 SUMMARY OF NON-COMPLIANCE (EXCEEDANCES) OF THE ENVIRONMENTAL QUALITY

- 7.1. All 1-hour TSP monitoring results complied with the Action / Limit Levels in the reporting period.
- 7.2. All 24-hour TSP monitoring results complied with the Action / Limit Levels in the reporting period.
- 7.3. No Limit and Action Level exceedance of construction noise monitoring was recorded in the reporting period.

8 ENVIRONMENTAL COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

- 8.1. A 24-hour complaint hotline at 6628 8366 has been established for Stage 1 (both Contract 1 and Contract 2) of the Project. Also a 24-hour hotline at 8201 6669 is established for Contract 1 of the Project. The hotline numbers are displayed at the site entrances, fencings and project signboards, as well as printed on publications for the public, such as newsletters.
- 8.2. No notifications of summons and prosecutions was received in the reporting quarter.
- 8.3. There was one (1) complaint (including one (1) dust-related complaint) followed up by the Environmental Team (ET) in the reporting quarter.
- 8.4. There were two (2) follow-up complaints (including (1) noise-related follow-up complaint and (1) dust-related follow-up complaint) followed up by the ET in the reporting quarter.
- 8.5. The investigation details are given below:

Environmental Enquiry No.: EC-35 (Follow-up) (27 February 2014)

One (1) noise-related complaint was received on 27 February 2014 and followed up by the Environmental Team in February and March 2014. The investigation result is reported as follows.

EPD referred a follow-up complaint from a resident of Ma Wo on 27 February 2014. The complainant said that the Contractor caused serious noise nuisance at non-restricted hours.

According to the information provided by the Contractor (Gammon Construction Limited) and confirmed by the Engineer of the Project, the construction activities on 27 February 2014 included concreting of U-channel at Wall 39, slope reinstatement at Wall 40 and pedestrian path reconstruction at TP9 Upstream.

Mitigation measures have been implemented to minimize the noise emission from the Project area. The planned work each day was written on a board to notify Ma Wo residents beforehand. The Contractor was also reminded to shorten the operation time of the machines to minimize the impacts caused to the public.

With reference to the noise monitoring results near the day of the complaint at the nearest EM&A monitoring station (NM2 – Ha Wun Yiu), the noise levels (Leq, 30mins) on 17 February 2014 and 28 February 2014 were 63.2 dB(A) and 67.9 dB(A) respectively, which were below the limit level of 75dB(A).

Upon the receipt of the complaint, compacting work for slope reinstatement will only be scheduled at either 10-11am or 4-5pm every day with 1 hour verbal advanced notification to Ma Wo residents, so as to mitigate the noise produced by the compaction roller.

The complaint is considered project-related. The Contractor is advised to implement the mitigation measures as stated in “Recommended Mitigation Measures”.

Recommended Mitigation Measures:

- 1) Better scheduling of works to minimize noise nuisance;
- 2) Instructing the site workers to keep the noise in minimum during construction; and
- 3) Fostering better public relations with the sensitive receivers nearby.

Environmental Enquiry No.: EC-35 (Follow-up) (25 March 2014)

One (1) dust-related complaint was received on 25 March 2014 and followed up by the Environmental Team in March 2014. The investigation result is reported as follows.

EPD referred a follow-up complaint from a resident of Ma Wo Tsuen on 25 March 2014.

The complaint is about the dust emission at the construction site of the Tolo Highway widening construction works at Ma Wo. The complainant complained that there was insufficient water spraying, so dust was generated and serious nuisance was caused. He expressed that he has complained for three years and no improvement has been observed.

As informed by the Contractor (Gammon Construction Ltd.) and confirmed by the Engineer of the Project, backfilling works were carried out at area W46 on 25 March 2014.

The following mitigation measures have been implemented by the Contractor:

- 1) Full-time manual water spraying on haul roads and exposed slopes;
- 2) Covering non-working slopes by tarpaulin sheets at a sight distance from the complainant before the complete construction of the permanent footpath;
- 3) The set up of tarpaulin dust screen of appropriately 1.8 m in height on the top of W45-47 which is along W44 and NB31; and
- 4) Ensuring the mechanical covering is not opened in case any dump truck passes through W45-47 until they reach the unloading point.

The Contractor was reminded to carry out mitigation measures as observed previously when similar complaints were lodged:

Keeping the loading and unloading height of general fill materials to a minimum;

Carrying out wheel washing at the site entrance; and

Spraying water by sprinklers on haul roads and exposed slopes, and manually to the leaves of the trees to minimize the emitted dust from dropping to the complainant's house and Ma Wo Tsuen through the trees.

With reference to the monitoring results recorded on the day closest to the day of complaint, i.e. 24 March 2014, at the nearest EM&A monitoring station (AM1A- Sheung Wun Yiu), the 24-hour TSP level was 37.5 ug/m³, which was below the action level of 176.6 ug/m³. Besides, the average 1-hour TSP level was 81.2 ug/m³, which was also below the action level of 302.3 ug/m³.

Nevertheless, the complaint was considered project-related.

Therefore, the Contractor is reminded to enhance the dust mitigation measures as stated in the "Recommended Mitigation Measures".

Recommended Mitigation Measures:

- 1) Confirm the implementation of dust mitigation measures (erection of tarpaulin dust screens along the work areas W38-48, spraying water manually by workers and sprinkler systems for the haul roads and exposed slopes at work areas W38-48, covering non-working slopes by tarpaulin sheets within the work areas, covering dusty materials carried in dump trucks within work areas W38-48) during all construction and dusty activities to minimize fugitive dust generation;
- 2) Increase the frequency of watering in the work areas (specially at the entrance of the construction site, and on site haul roads and exposed slopes / areas in the work areas W38-48), so that site haul roads and exposed surfaces are in a wet condition;
- 3) Cover the backfilling surface after work;
- 4) Keep soil surfaces wet before loading and unloading activities;
- 5) Maintain the frequency of the environmental supervision (by the Contractor) to regularly review the adequacy and effectiveness of dust suppression measures to suit the construction progress;
- 6) Inform the complainant before dusty activities (e.g. rock breaking, excavation, grouting and backfilling) are carried out; and
- 7) Foster better public relations with the sensitive receivers and complainants nearby.

Environmental Enquiry No.: EC-38

One (1) dust-related complaint was received on 15 April 2014 and followed up by the Environmental Team in April 2014.

EPD referred a complaint from a resident of Ma Wo Tsuen on 15 April 2014.

The complaint was about the dust emission on 12 April 2014 at the construction site of the Tolo Highway widening construction works at Ma Wo. The complaint location was Ma Wo Tsuen near Northbound of Tolo Highway. The complainant complained that there was no water spraying or covering by tarpaulin sheets when the construction works were taking place. Serious dust nuisance has been caused. He claimed that no improvement has been observed. He requested the follow-up by the EPD.

As informed by the Contractor (Gammon Construction Ltd.) and confirmed by the Engineer of the Project, adjusting slope profile at W47 was carried out on 12 April 2014.

The following mitigation measures have been implemented by the Contractor:

- Manual water spraying at exposed slopes;
- Slopes at a sight distance from the complainant being covered by grass net as permanent works;
- Tarpaulin dust screen of appropriately 1.8 m in height set on the top of W45-47 which is along W44 and NB31 (partially removed when the corresponding upper slope is being covered by grass net, in order to install permanent fencing at the slope edge); and
- Ensuring the mechanical covering of the dump truck would not open until they reach the unloading point, in case any they pass through W45-47.

The Contractor was reminded to carry out mitigation measures as observed previously when similar complaints were lodged:

- Keeping the loading and unloading height of general fill materials to a minimum;
- Carrying out wheel washing at the site entrance; and

- Spraying water by sprinklers on haul roads and exposed slopes, and manually to the leaves of the trees to minimize the emitted dust from dropping to the complainant's house and Ma Wo Tsuen through the trees.

With reference to the monitoring results recorded on the day closest to the day of complaint, i.e. 10 April 2014, at the nearest EM&A monitoring station (AM1A- Sheung Wun Yiu), the 24-hour TSP level was 47.9 ug/m³, which was below the action level of 176.6 ug/m³. Besides, the average 1-hour TSP level was 76.3 ug/m³, which was also below the action level of 302.3 ug/m³.

Nevertheless, the complaint was considered project-related.

Therefore, the Contractor is reminded to enhance the dust mitigation measures as stated in the "Recommended Mitigation Measures".

Recommended Mitigation Measures:

- 1) Confirm the implementation of dust mitigation measures (erection of tarpaulin dust screens along the work areas W38-48, spraying water manually by workers and sprinkler systems for the haul roads and exposed slopes at work areas W38-48, covering non-working slopes by tarpaulin sheets within the work areas, covering dusty materials carried in dump trucks within work areas W38-48) during all construction and dusty activities to minimize fugitive dust generation;
- 2) Increase the frequency of watering in the work areas (specially at the entrance of the construction site, and on site haul roads and exposed slopes / areas in the work areas W38-48), so that site haul roads and exposed surfaces are in a wet condition;
- 3) Keep soil surfaces wet before loading and unloading activities;
- 4) Maintain the frequency of the environmental supervision (by the Contractor) to regularly review the adequacy and effectiveness of dust suppression measures to suit the construction progress;
- 5) Inform the complainant before dusty activities (e.g. rock breaking, excavation, grouting and backfilling) are carried out; and
- 6) Foster better public relations with the sensitive receivers and complainants nearby.

- 8.6. Cumulative statistics on complaints, notifications of summons and successful prosecutions are summarized in Appendix G.

9 COMMENTS, RECOMMENDATIONS AND CONCLUSIONS

Comments on Mitigation Measures

- 9.1. According to the environmental site inspections performed in the reporting quarter, the following recommendations were provided:-

Air Quality Impact

- All plants on site should be properly maintained to avoid dark smoke emission.
- All vehicles should be washed to remove any dusty materials before leaving the site.
- Haul roads should be sufficiently dampened to minimize fugitive dust generation.
- Wheel washing facilities should be properly maintained to ensure properly functioning.
- Temporary exposed slopes and open stockpiles should be properly covered.
- Enclosure should be erected for cement mixing operations.
- Provide water spraying to suppress fugitive dust for any dusty construction activity.
- Exposed cemented bags should be covered.

Construction Noise Impact

- Properly erect the temporary noise barriers in accordance with the Environmental Permit requirement.
- Noise barriers should be closely packed and properly aligned to ensure effective noise reduction.
- Noisy operations should be oriented to a direction away from sensitive receivers as far as possible.
- Sound insulation materials shall be wrapped at the breaker tip for concrete breaking works.
- Noise Emission Label (NEL) shall be affixed to the air compressor and hand-held breaker operating within works area.
- Better scheduling of construction works to minimize noise nuisance.

Water Quality Impact

- Silt, debris and leaves accumulated at public drains, wheel washing bays and perimeter u-channels and desilting facilities should be cleaned up regularly.
- Silty effluent should be treated / desilted before discharged. Untreated effluent should be prevented from entering public drain channel.
- Proper drainage channels/bunds should be provided at the site boundaries to collect/intercept the surface run-off from works areas.
- Exposed slopes and stockpiles should be covered up properly during rainstorm.
- Stagnant water accumulated within works area should be removed.

Chemical and Waste Management

- C&D materials and wastes should be sorted, recycled/treated and removed timely.
- All chemical containers and oil drums should be properly stored.
- All plants and vehicles on site should be properly maintained to prevent oil leakage.
- All drain holes of the drip trays utilized within works areas should be properly plugged to avoid any oil leakage.
- Oil stains on soil surface and empty chemical containers should be cleared and disposed of as chemical waste.
- Only the recycling materials should be dumped into the recycling bins.
- Refuse should not be placed near the retained trees.

Landscape and Visual Impact

- All retained trees should be properly fenced off at the works area.

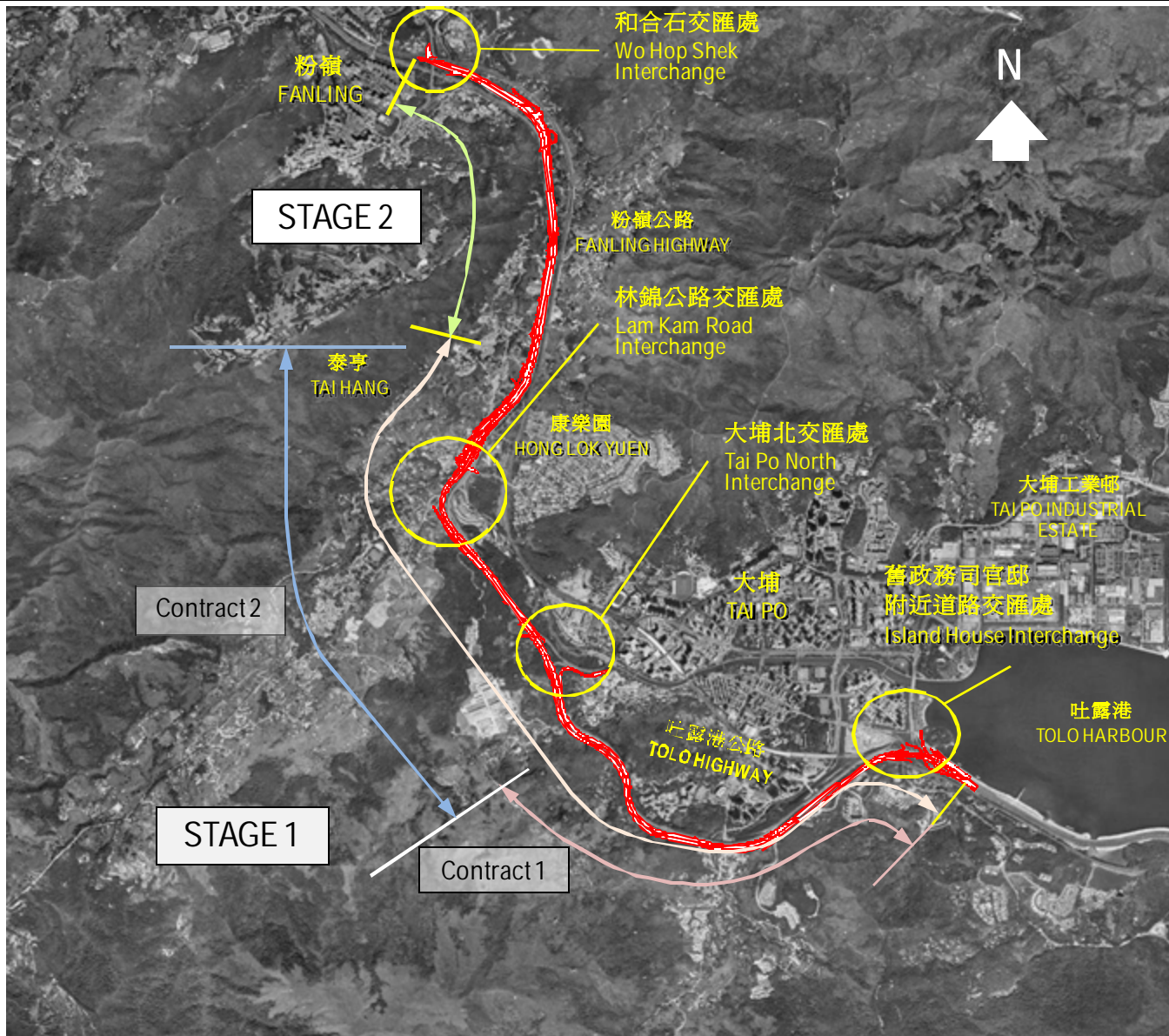
Recommendations on EM&A Programme

- 9.2. The impact air quality and noise monitoring programme ensured that any deterioration in environmental condition was readily detected and timely actions taken to rectify any non-compliance. Assessment and analysis of monitoring results collected demonstrated the environmental acceptability of Stage 1 of the Project. The weekly environmental site inspections ensured that all the environmental mitigation measures recommended in the ERR were effectively implemented.
- 9.3. The EM&A programme effectively monitored the environmental impacts from the construction activities and no particular recommendation was advised for the improvement of the programme.

Conclusions

- 9.4. Air quality and noise monitoring, weekly site inspections were carried out in the reporting quarter, in accordance with the updated EM&A manual.
- 9.5. All 1-hour TSP monitoring results complied with the Action / Limit Level in the reporting quarter.
- 9.6. All 24-hour TSP monitoring results complied with the Action / Limit Level in the reporting quarter.
- 9.7. No Action and Limit Level exceedance of construction noise monitoring was recorded in the reporting period.
- 9.8. There was one (1) complaint (including one (1) dust-related complaint) followed up by the Environmental Team (ET) in the reporting quarter.
- 9.9. There were two (2) follow-up complaints (including (1) noise-related follow-up complaint and (1) dust-related follow-up complaint) followed up by the ET in the reporting quarter.
- 9.10. Investigations were carried out. Findings and proposed mitigation measures of the complaints were submitted to all relevant parties.
- 9.11. No notifications of summons and successful prosecutions was received in the reporting quarter.

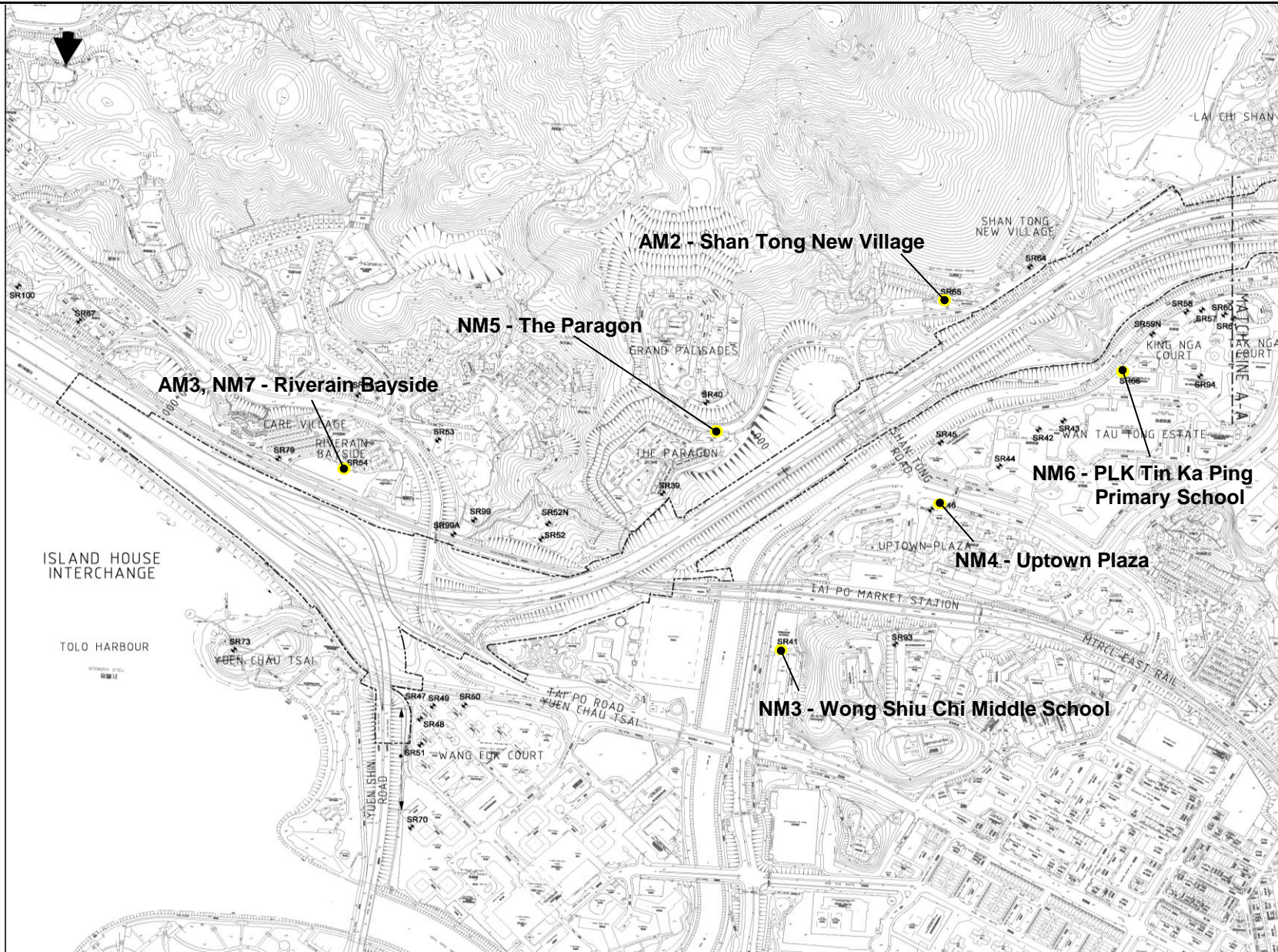
FIGURES



Environmental Team for the Widening of Tolo Highway between
Island House Interchange and Tai Hang - Investigation

General Project Layout Plan

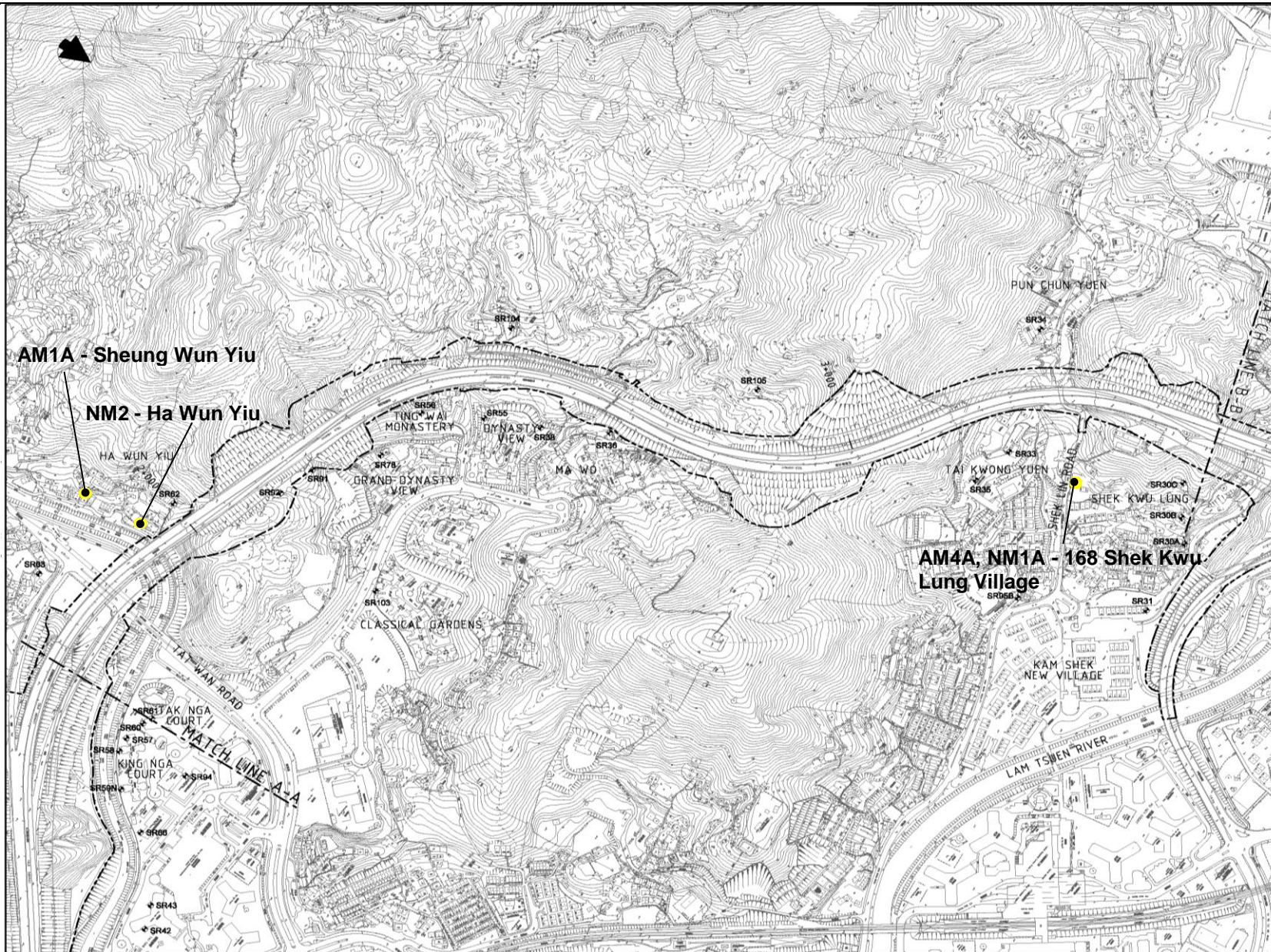
SCALE	N.T.S.	DATE	Dec-09
CHECK	ENFL	DRAWN	RWHW
JOB NO.	60102979	FIGURE NO.	1.1
			Rev 0



**Environmental Team for the Widening of Tolo Highway between
Island House Interchange and Tai Hang - Investigation**

EM&A Monitoring Locations (Sheet 1 of 2)

SCALE	N.T.S.	DATE	Mar-10
CHECK	ENFL	DRAWN	RWHW
JOB NO.	60102979	FIGURE NO.	2.1
			Rev 0

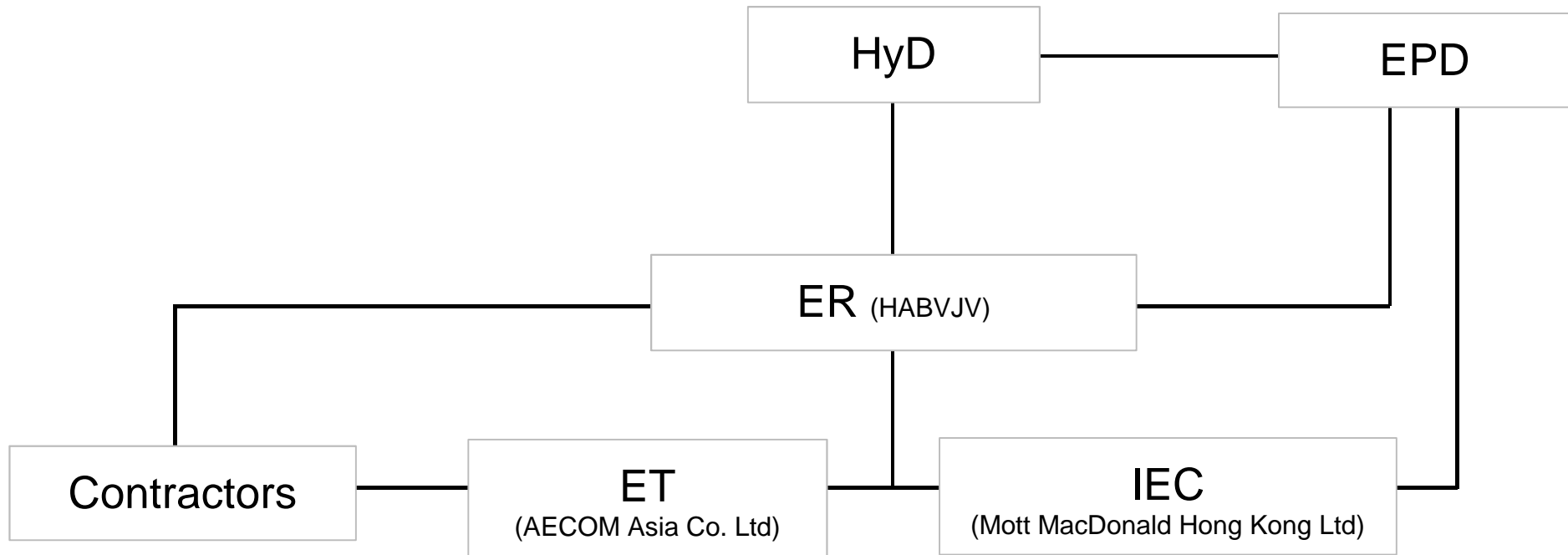


**Environmental Team for the Widening of Tolo Highway between
Island House Interchange and Tai Hang - Investigation**

EM&A Monitoring Locations (Sheet 2 of 2)

SCALE	N.T.S.	DATE	Sep-11
CHECK	ENFL	DRAWN	LCHC
JOB NO.	60102979	FIGURE NO.	2.1
		Rev	0

**APPENDIX A
PROJECT ORGANIZATION STRUCTURE**



**Environmental Team for the Widening of Tolo Highway between
Island House Interchange and Tai Hang - Investigation**

Project Organization Structure

SCALE	N.T.S.	DATE	2009
CHECK	ENFL	DRAWN	RWHW
JOB NO.	60102979	APPENDIX	Rev
		A	-

**APPENDIX B
CONSTRUCTION PROGRAMMES**

Activity ID	Activity Name	Original Duration	Start	Finish	2014													
					April				May				June				July	
					23	30	06	13	20	27	04	11	18	25	01	08	15	22
KEY DATES																		
Section Completion																		
Section Completion Date																		
Key Date																		
KD-300900	KD9 Section 9 Area SA1, 3 to 9A Road Maintenance (1580)	0		23-Apr-14*	◆ KD9 Section 9 Area SA1, 3 to 9A Road Maintenance (1580)													
KD-300200	KD2 Section 2 Areas SA8, SA9 + SA9A Work (1052d)	0		31-May-14*	◆ KD2 Section 2 Areas SA8, SA9 + SA9A Work (1052d)													
KD-300500	KD5 Section 5 Area SA1 Landscape Softwork (1337d)	0		20-Jun-14*	◆ KD5 Section 5 Area SA1 Landscape Softwork (1337d)													
KD-300600	KD6 Section 6 Remainder Landscape Softwork (1355d)	0		27-Jun-14*	◆ KD6 Section 6 Remainder Landscape Softwork (1355d)													
KD-300100	KD1 Section 1 Area SA1 Work, Except LS + EW (1311d)	0		30-Jun-14*	◆ KD1 Section 1 Area SA1 Work, Except LS + EW (1311d)													
Site Vacation Date																		
Area Handover to Client																		
KD-500150	Portion Site Area SA1 Handover (KD5 + 28 days)	0		17-Jul-14*	◆													
SOFT LANDSCAPE IN SA1: SECT. 5 WORKS																		
Landscaping Works																		
Landscape Works																		
S5-212800	Areas SA1 Irrigation + Landscape Soft Works	30	22-May-14	20-Jun-14	Areas SA1 Irrigation + Landscape Soft Works													
REMAINDER OF SOFT LANDSCAPE: SECT. 6 WORKS																		
Landscaping Works																		
Landscape Works																		
S6-212800	Remainder Irrigation + Landscape Soft Works	30	29-May-14	27-Jun-14	Remainder Irrigation + Landscape Soft Works													
ESTABLISHMENT WORKS AT SA1: SECT. 7 WORKS																		
Establishment Works																		
Landscape and Establishment Works																		
S7-211800	Area SA1 Establishment Works	365	21-Jun-14	20-Jun-15	Area SA1 Establishment Works													
REMAINDER OF ESTABLISHMENT WORKS: SECT. 8 WORKS																		
Establishment Works																		
Landscape and Establishment Works																		
S8-214800	Remainder - Establishment Works	365	28-Jun-14	27-Jun-15	Remainder - Establishment Works													
ROUTINE MAINTENANCE: SECT. 9 WORKS																		
Road Maintenance																		
Routine Maintenance of Road Network																		
S9-100000	Road Maintenance of Road Network	1401	22-Feb-10 A	23-Apr-14*	Road Maintenance of Road Network													
Z1: CH 0 to CH 500: SECT. 1 WORKS																		
Noise Barrier at Kwong Fuk West																		
Noise Barrier at Kwong Fuk West Viaduct																		
Noise Barrier Foundation Works																		
S1-180700A	KFWV structural steel, (bay 1-5)	18	08-Apr-14 A	30-Apr-14	KFWV structural steel, (bay 1-5)													
S1-180810	KFWV structural steel, (bay 5-7)	26	08-Apr-14 A	30-Apr-14	KFWV structural steel, (bay 5-7)													
S1-180800	KFWV Panel Installation, (bay 1-5)	50	01-May-14	30-Jun-14	KFWV Panel Installation, (bay 1-5)													
S1-180820	KFWV Panel Installation, (bay 5-7)	50	01-May-14	30-Jun-14	KFWV Panel Installation, (bay 5-7)													
S1-180900	Completion of NB Kwong Fuk West Viaduct	0		30-Jun-14	◆ Completion of NB Kwong Fuk West Viaduct													
TCSS Works/Other Utilities																		
S1-180905	Civil prov. works (CPW)- TCSS Pillar Box B	18	22-Apr-14	13-May-14	Civil prov. works (CPW)- TCSS Pillar Box B													
TCSS Works																		
New Sign Gantry Construction																		
G18 (VO205 Slip Road)																		
GS1860	Design information by Engineer for existing NB modification available	0	20-Mar-14 A		Design information by Engineer for existing NB modification available													
GS1870	Existing NB modification	14	20-Mar-14 A	04-Apr-14 A	Existing NB modification													
TCSS E&M Works & Handover																		
S1-700075	T&C - Lighting	20	16-May-14	09-Jun-14	T&C - Lighting													
S1-700080	T&C - power supply system to TCSS	20	16-May-14	09-Jun-14	T&C - power supply system to TCSS													
S1-700090	Handover to TCSS Contractor	0		17-Jun-14	◆ Handover to TCSS Contractor													
Southbound Work- Ret. Wall, Noise B, Rd NB6, and Slope S4																		
High Mast Lighting																		
S1-203068	Install/delete lamps at high mast HM2 & HM3	18	20-Mar-14 A	09-Apr-14 A	Install/delete lamps at high mast HM2 & HM3													
Noise Barrier NB6																		
S1-207060	NB6 Structural Steel	6	17-Mar-14 A	21-Mar-14 A	NB6 Structural Steel													
S1-208060	NB6 NB Panels	8	22-Apr-14	30-Apr-14	NB6 NB Panels													
Road Lighting/ or High Mast																		
S1-700050	Cabling works for utilities/Lighting	20	20-Feb-14 A	30-Apr-14	Cabling works for utilities/Lighting													
S1-203067	Relocate pillar box for high mast HM1 - HM10	18	15-Mar-14 A	30-Apr-14	Relocate pillar box for high mast HM1 - HM10													
S1-700070	Pillar Box + MCB Board installation	18	15-Mar-14 A	30-Apr-14	Pillar Box + MCB Board installation													



Contract: HY/2008/09
Widening of Tolo Highway / Fanling Highway
Between Island House Interchange and Fanling
(Stage 1 - Between Island House Interchange and Ma Wo)

Three Months Rolling Programme
for the Period of 21 Apr 2014 to 20 Jul 2014

Activity ID	Activity Name	Original Duration	Start	Finish	2014													
					April					May				June				July
					23	30	06	13	20	27	04	11	18	25	01	08	15	22
Cut Slope S4																		
S1-031060B	Cut Slope S4 - drainage/ u channels	20	15-Oct-13 A	15-May-14	Cut Slope S4 - drainage/ u channels													
SB Road & Drain, Ch 0-300, after NB3																		
TCSS Works/Other Utilities																		
S1-035045	TCSS P57 - footing	14	20-Nov-13 A	30-Apr-14	TCSS P57 - footing													
Road Lighting/ or High Mast																		
S1-051215A	Public Lighting - cabling works	8	22-Apr-14*	30-Apr-14	Public Lighting - cabling works													
S1-051215B	Public Lighting - power supply connection & test	8	22-Apr-14	30-Apr-14	Public Lighting - power supply connection & test													
NB6 and Slope S4A, after TB1 demolition																		
Noise Barrier NB6 (remaining 1 bay after TB1 removal)																		
S1-208130	NB6 Structural Steel	10	24-Feb-14 A	21-Mar-14 A	NB6 Structural Steel													
S1-208135	NB6 NB Panels	6	22-Mar-14 A	30-Apr-14	NB6 NB Panels													
Cut Slope S4A																		
S1-208140B	Cut Slope S4A - u channels	20	22-Apr-14	15-May-14	Cut Slope S4A - u channels													
NB11, Slope S4B & F124, after TB2 dem.																		
High Mast Lighting																		
S1-200112	High Mast HM5 - footing + relocation + lamp	30	14-Feb-14 A	26-Mar-14 A	High Mast HM5 - footing + relocation + lamp													
Noise Barrier NB11																		
S1-207110	NB11 Structural Steel	7	20-Mar-14 A	27-Mar-14 A	NB11 Structural Steel													
S1-208110	NB11 NB Panels	10	28-Mar-14 A	30-Apr-14	NB11 NB Panels													
Cut Slope S4B, S4C																		
S1-031040A	Cut Slope S4B, S4C - excavation	21	04-Mar-14 A	30-Apr-14	Cut Slope S4B, S4C - excavation													
S1-031040B	Cut Slope S4B, S4C - drainage/ channels	48	20-Mar-14 A	17-May-14	Cut Slope S4B, S4C - drainage/ channels													
South Bound Road and Drain, Ch 300-500																		
Firemain																		
S1-051305	Firemain- excav, pipe install + pit/new hydrants	14	01-Mar-14 A	15-May-14	Firemain- excav, pipe install + pit/new hydrants													
TCSS Works/Other Utilities																		
S1-051325	Utilities & TCSS buried ducts	24	26-Feb-14 A	17-Apr-14 A	Utilities & TCSS buried ducts													
S1-051303	Civil prov. works (CPW)- TCSS Pillar Box A	18	15-Mar-14 A	17-Apr-14 A	Civil prov. works (CPW)- TCSS Pillar Box A													
Road Lighting/ or High Mast																		
S1-051350	Public Lighting - Lamp Pole + Lamps	18	26-Nov-13 A	19-May-14	Public Lighting - Lamp Pole + Lamps													
S1-051350A	Public Lighting - cabling works	18	17-Mar-14 A	19-May-14	Public Lighting - cabling works													
S1-051350B	Public Lighting - power supply connection & test	18	17-Mar-14 A	19-May-14	Public Lighting - power supply connection & test													
Central Median Work- Noise Barrier + Road/Drain																		
Noise Barrier NB3 CH0-357																		
Road Lighting/ or High Mast																		
S1-208040	Public Lighting - Lamp Pole + Lamps	18	22-Aug-13 A	15-May-14	Public Lighting - Lamp Pole + Lamps													
S1-208040A	Public Lighting - cabling works	18	22-Aug-13 A	15-May-14	Public Lighting - cabling works													
S1-208040B	Public Lighting - power supply connection & test	20	22-Apr-14*	15-May-14	Public Lighting - power supply connection & test													
Noise Barrier NB10 CH444-500, after TB2 demolition																		
Noise Barrier Foundation Works																		
S1-200094	Pending VO for searching existing ducting for TCSS works	10	20-Mar-14 A	31-Mar-14 A	Pending VO for searching existing ducting for TCSS works													
Northbound Work- Ret. Wall, Noise B, Rd																		
RW W1+ NB1+S1, NB2 Ch200-300																		
Noise Barrier NB1																		
S1-208015	Northbound work Complete	0	22-May-14		◆ Northbound work Complete													
Cut Slope S1																		
S1-031015020	Fill Slope S1- drainage	26	18-Oct-13 A	21-May-14	Fill Slope S1- drainage													
S1-031015015	Fill Slope S1- backfilling (remaining 50% after relocation of HM7)	57	20-Nov-13 A	21-May-14	Fill Slope S1- backfilling (remaining 50% after relocation of HM7)													
Slip Rd A after Banyan West Completion																		
Slip Rd A																		
S1-051155	Slip Road A - drainage + road reconstruction	175	20-Oct-12 A	30-Apr-14	Slip Road A - drainage + road reconstruction													
NB2 & Slope S2, after TB1 demolition																		
High Mast Lighting																		
S1-031037	High Mast HM6 - footing, relocation + lamp	15	28-Feb-14 A	31-Mar-14 A	High Mast HM6 - footing, relocation + lamp													
Cut Slope S2																		
S1-031025B	Cut Slope S2- channel (Pending for Slope Profile design)	24	01-Apr-14 A	15-May-14	Cut Slope S2- channel (Pending for Slope Profile design)													
NB9, Slope F121, S5, (after TB2 demolition)																		
Cut Slope S5																		
S1-200140	Slope F121 + S5 (Pending for Slope Profile design)	24	01-Apr-14 A	15-May-14	Slope F121 + S5 (Pending for Slope Profile design)													
North Bound Road and Drain, Ch 300-500																		
Firemain																		
S1-200170	Firemain- excav, pipe install + pit/new hydrants	10	22-Apr-14 A	15-May-14	Firemain- excav, pipe install + pit/new hydrants													
TCSS Works/Other Utilities																		
S1-200180	Utilities & TCSS buried ducts	15	10-Jan-14 A	15-May-14	Utilities & TCSS buried ducts													
Road Lighting/ or High Mast																		
S1-200205	Public Lighting - Lamp Pole + Lamps	15	10-Dec-13 A	15-May-14	Public Lighting - Lamp Pole + Lamps													
S1-200175	Public Lighting - buried ducts	20	22-Apr-14*	15-May-14	Public Lighting - buried ducts													
Roadworks																		
S1-200215	complete	0	15-May-14		◆ complete													

Z2: CH 500 to CH 1100: SECT. 4 WORKS

Zone 2: CH500 to Ch1100 (Section 4 Works)



Contract: HY/2008/09

Widening of Tolo Highway / Fanling Highway
Between Island House Interchange and Fanling
(Stage 1 - Between Island House Interchange and Ma Wo)

Three Months Rolling Programme
for the Period of 21 Apr 2014 to 20 Jul 2014

Activity ID	Activity Name	Original Duration	Start	Finish	2014												
					April					May				June			July
					23	30	06	13	20	27	04	11	18	25	01	08	15
S4-031225	Utilities + TCSS + CPW- SC 20/S20	36	17-Jul-13 A	15-May-14	Utilities + TCSS + CPW- SC 20/S20												
S4-031230	Power supply cable ducts	36	20-Jul-13 A	15-May-14	Power supply cable ducts												
Road Lighting/ or High Mast																	
S4-031250A	Public Lighting - cabling works	18	04-Oct-13 A	30-Apr-14	Public Lighting - cabling works												
S4-031250	Public lighting - Lamp Pole + Lamps	24	20-Dec-13 A	15-May-14	Public lighting - Lamp Pole + Lamps												
S4-031250B	Public Lighting - power supply connection & test	18	24-Apr-14	15-May-14	Public Lighting - power supply connection												
Roadworks																	
A1170	NB16 - Road Re-construction for (HS)	22	01-May-14	27-May-14	NB16 - Road Re-construction for												
S4-031260	Northbound road substantial completed in Zone 2	0	16-May-14		◆ Northbound road substantial completed												
A1210	Road Work for Slip Road M (HS)	22	01-Jul-14	25-Jul-14													
Z3: CH 1100 to CH 2000: SECT. 4 WORKS																	
Section Completion																	
Section Completion Date																	
KD-300400B	ZONE 3 COMPLETE - KD4 Section 4	0		30-Jun-14	◆ ZONE 3 C												
TCSS Works																	
TCSS E&M Works & Handover																	
S4-0512765	Cabling works for Utilities/TCSS/Lighting	24	20-Sep-13 A	30-Jun-14	Cabling works												
S4-0512780	T&C - power supply system to TCSS/Lighting	36	20-Sep-13 A	30-Jun-14	T&C - power supply system to TCSS/Lighting												
S4-0512785	Handover to TCSS Contractor	0		30-Jun-14	◆ Handover to TCSS Contractor												
Stage 1: Southbound Work- Ret. Wall, Noise B, Rd																	
Fill Slope S13 and NB21																	
Fill Slope S13																	
S4-031130C	Fill Slope S13- u channels	363	12-Mar-12 A	17-Apr-14 A	Fill Slope S13- u channels												
S4-031130D	Fill Slope S13- metal works + hand rails etc.	236	15-Aug-12 A	17-Apr-14 A	Fill Slope S13- metal works + hand rails etc.												
Stage 3: Central Median - Ret. Wall, Noise B, Rd																	
CM: CH1260-1600, L=410m, Road&Drain+Utilities																	
TCSS Works/Other Utilities																	
S4-0512710	Power supply cable ducts	91	20-Feb-13 A	31-Mar-14 A	Power supply cable ducts												
Road Lighting/ or High Mast																	
S4-051273A	Public Lighting - cabling works	91	20-Feb-13 A	31-Mar-14 A	Public Lighting - cabling works												
S4-051273B	Public Lighting - power supply connection & test	9	11-Mar-14 A	31-Mar-14 A	Public Lighting - power supply connection & test												
Roadworks																	
S4-0512740	Road Works completed	0	31-Mar-14 A		◆ Road Works completed												
Noise Barrier Structural Steel & Panels																	
S4-208200	NB20 & NB23 NB Panels	160	15-Dec-12 A	29-Mar-14 A	NB20 & NB23 NB Panels												
W20A + Slope S20																	
Cut Slope S20A																	
S4-03120AA	Cut Slope S20A - excavation	30	20-Jan-14 A	03-May-14	Cut Slope S20A - excavation												
S4-03120AB	Cut Slope S20A - drainage/channels	30	23-Apr-14	28-May-14	Cut Slope S20A - drainage/channels												
Stage 2: Northbound Work- Ret. Wall, Noise B, Rd																	
Modification of Existing Bridge No. 10 + Noise B																	
Bridge Roadworks & Furnitures																	
S4-194880	Install noise barrier (1st half from east end)	36	20-Mar-14 A	17-Apr-14 A	Install noise barrier (1st half from east end)												
S4-194889	Install noise barrier (2nd half to west end)	40	20-Mar-14 A	17-Apr-14 A	Install noise barrier (2nd half to west end)												
S4-194899	Road Surfacing & Furnitures	18	18-Apr-14 A	20-Apr-14 A	Road Surfacing & Furnitures												
S4-194990	Bridge No. 10 Modification Completion	0		20-Apr-14 A	◆ Bridge No. 10 Modification Completion												
Modification of Existing Bridge No.11 + Noise B																	
Bridge Roadworks & Furnitures																	
S4-195910	Install Noise barrier panel	30	22-Mar-14 A	25-Apr-14 A	Install Noise barrier panel												
S4-195900	Bridge No. 11 Modification Completion	0		25-Apr-14 A	◆ Bridge No. 11 Modification Completion												
RW W9, Slope S9, & Noise Barrier NB19, NB22																	
Noise Barrier NB19																	
S4-207190	NB19 Structural Steel, 10 bays	35	01-Apr-14 A	01-May-14	NB19 Structural Steel, 10 bays												
S4-207190A	NB19 Structural Steel, 21 bays	35	01-Apr-14 A	01-May-14	NB19 Structural Steel, 21 bays												
S4-208190	NB19 NB Panels, 10 bays	10	01-Apr-14 A	01-May-14	NB19 NB Panels, 10 bays												
S4-208190A	NB19 NB Panels, 21 bays	10	01-Apr-14 A	01-May-14	NB19 NB Panels, 21 bays												
Fill Slope S9																	
S4-031095A	Fill Slope S9- backfilling	24	01-Apr-14 A	15-May-14	Fill Slope S9- backfilling												
S4-031095B	Fill Slope S9 - drainage	12	01-Apr-14 A	15-May-14	Fill Slope S9 - drainage												
NB: CH1260-1750, L=410m, Road&Drain+Utilities																	
Road Drainage																	
S4-0512620	Road Drainage - pipelayinng + manhole	48	01-Aug-13 A	15-Apr-14 A	Road Drainage - pipelayinng + manhole												
Firemain																	
S4-0512630	Firemain- excav, pipe install+pit/new hydrants	24	17-Sep-13 A	01-May-14	Firemain- excav, pipe install+pit/new hydrants												
TCSS Works/Other Utilities																	
S4-0512635	Utilities +TCSS buried ducts + civil prov. works	36	21-Oct-13 A	30-Jun-14	Utilities +TCSS buried ducts + civil prov. works												
S4-0512627	TCSS High mast M7/S117 - footing	17	01-Apr-14 A	15-Apr-14 A	TCSS High mast M7/S117 - footing												
S4-0512640	Power supply cable ducts	34	22-Apr-14*	31-May-14	Power supply cable ducts												
Road Lighting/ or High Mast																	
S4-0512660	Public lighting - Lamp Pole + Lamps	36	21-Oct-13 A	15-May-14	Public lighting - Lamp Pole + Lamps												

Contract: HY/2008/09

Widening of Tolo Highway / Fanling Highway
Between Island House Interchange and Fanling
(Stage 1 - Between Island House Interchange and Ma Wo)

Three Months Rolling Programme
for the Period of 21 Apr 2014 to 20 Jul 2014

Activity ID	Activity Name	Original Duration	Start	Finish	2014															
					April				May				June				July			
					23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	06
S4-051266A	Public Lighting - cabling works	36	21-Oct-13 A	15-May-14																Public Lighting - cabling works
S4-051266B	Public Lighting - power supply connection & test	12	01-May-14	15-May-14																Public Lighting - power supply connection
Roadworks																				
S4-0512645	Roadworks +Slip Road N- Resurfacing	26	18-Oct-13 A	15-May-14																Roadworks +Slip Road N- Resurfacing
S4-0512655	Roadworks +Slip Road N- road marking + furnitures	6	09-May-14	15-May-14																Roadworks +Slip Road N- road marking
Z4: CH 2000 to CH 2400: SECT. 2 WORKS																				
Stage 1A: Southbound - S14-, RW21-28, TP7,Rd/Dr																				
Retaining Wall W24 to W28 & Slope S17																				
Cut Slope S17																				
S2-031170	Slope S17 (SB) (after 29A & W29B part)	45	03-Jun-13 A	05-Apr-14 A																Slope S17 (SB) (after 29A & W29B part)
SB Road & Drain, Ch 2000-2200, L=200m																				
TCSS Works/Other Utilities																				
S2-031295	Power supply cable ducts	277	25-Jul-12 A	30-Apr-14																Power supply cable ducts
Cut Slope S14																				
S2-031140E10	Slope S14 - Soil nail & remaining drainage work (VO343-additional soil	61	10-Jun-13 A	15-May-14																Slope S14 - Soil nail & remaining drainage
Stage 1B: Northbound- S15-S19, RW31-33, Rd/Dr																				
Retaining Wall W30, W31, W32(Piled), W33																				
Retaining Wall W31,32, 33																				
S2-GCL036	Northbound - GCL interfacing work completion for Lane 1,2,3 open	0		20-Apr-14*																◆ Northbound - GCL interfacing work completion for Lane
S2-GCL046	Completion of works subject to GCL works completion	30	22-Apr-14	27-May-14																Completion of works subject to G
Stage 2A: Southbound- S17, RW 29-34, NB27-29																				
Noise Barrier NB27, NB29																				
Noise Barrier NB29																				
S2-035350	NB29 NB Panels	7	16-Oct-13 A	31-May-14																NB29 NB Panels
Retaining Wall, W29 & NB27(@W29)																				
Retaining Wall W29A																				
S2-03529AB	RW W29A facing panel structure (bay 1)	34	22-Apr-14*	31-May-14																RW W29A facing panel struct
SB: CH2200-2400, L=200m, Road&Drain+Utilities																				
Road Drainage																				
S2-031250	W29A bay 1 road drainage after GCL TTA stage 6A	20	15-May-14	07-Jun-14																W29A bay 1 road drainag
TCSS Works/Other Utilities																				
S2-031287	TCSS S160 (VDS) - footing	23	14-Sep-13 A	30-Apr-14																TCSS S160 (VDS) - footing
Roadworks																				
S2-031255	W29A bay 1 road work after GCL TTA stage 6A	14	15-May-14	30-May-14																W29A bay 1, road work after G
S2-031265	Remaining roadwork to final pavement level after GCL TTA stage 6A	6	31-May-14	07-Jun-14																Remaining roadwork to fil
Stage 3: Central Median- NB26, NB29 +Road&Drain																				
CM: NB26 & NB28 L=400m & Road&Drain+Utilities																				
Noise Barrier Structural Steel & Panels																				
S2-208300	NB26 NB Structural Steel	7	08-Jul-13 A	15-Apr-14 A																NB26 NB Structural Steel
S2-208310	NB26 NB Panels	12	01-Apr-14 A	15-Apr-14 A																NB26 NB Panels
S2-208395	Implement TTA- divert traffic to new SB, NB & CM	0	22-Apr-14																	◆ Implement TTA- divert traffic to new SB, NB & CM
Stage 2B: Northbound- NB25																				
Noise Barrier NB25																				
S4-207250	NB25 Structural Steel	21	01-Apr-14 A	15-Apr-14 A																NB25 Structural Steel
S4-208250	NB25 NB Panels	10	09-Apr-14 A	15-Apr-14 A																NB25 NB Panels
TCSS Works																				
TCSS E&M Works & Handover																				
S2-208420	Lighting & T&C	24	15-Oct-13 A	30-Apr-14																Lighting & T&C
S2-208450	T&C - power supply system to TCSS	8	22-Apr-14	30-Apr-14																T&C - power supply system to TCSS
S2-208425	Handover to TCSS Contractor	0		30-Apr-14																◆ Handover to TCSS Contractor



Contract: HY/2008/09
Widening of Tolo Highway / Fanling Highway
Between Island House Interchange and Fanling
(Stage 1 - Between Island House Interchange and Ma Wo)

Three Months Rolling Programme
for the Period of 21 Apr 2014 to 20 Jul 2014

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010				2011				2012				2013				2014		
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3

HY/2009/08 TOLO HIGHWAY WIDENING, Updated on 20140126

EXECUTIVE SUMMARY

Design

A1330	Alternative Design		100%	292	26-Jul-10 A	14-Jan-11 A
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Construction

Section 1

A1000	SA21 - North Bound		100%	959	15-Oct-10 A	25-Dec-13 A
A1010	SA21 - South Bound	-100	95.99%	814	15-Oct-10 A	28-Feb-14
A1020	SA21 - Middle Lane	-84	94%	275	08-May-12 A	12-Feb-14

Section 2

A1030	SA22 - North Bound		100%	1016	26-Feb-10 A	07-Dec-13 A
A1040	SA22 - South Bound	-70	94.7%	1037	01-Apr-10 A	22-Mar-14
A1060	SA23 - South Bound		100%	388	28-Dec-11 A	25-Jan-14 A
A1070	SA24 - North Bound	-95	89.83%	787	25-Aug-10 A	16-Apr-14
A1080	SA25 - South Bound	-48	96.98%	777	20-Oct-10 A	19-Feb-14
A1090	SA26 - North Bound	-55	96.75%	1216	26-Feb-10 A	07-Mar-14
A1100	SA26 - South Bound	-61	96.22%	1216	26-Feb-10 A	13-Mar-14

Section 3

A1110	SA26A - North Bound	-15	97.48%	1191	26-Feb-10 A	25-Feb-14
A1120	SA26A - South Bound	-21	95.96%	879	26-Feb-10 A	03-Mar-14
A1130	SA26A - North & South Bound		100%	612	26-Feb-11 A	30-Jul-13 A
A1140	SA27 - South Bound	-15	96.43%	826	27-Mar-10 A	25-Feb-14

Section 4

A1150	SA28 - North Bound	-65	92.64%	1216	26-Feb-10 A	26-Apr-14
A1160	SA28 - South Bound	-8	97.01%	1099	23-Jun-10 A	28-Feb-14
A1170	SA29 - North Bound		100%	909	26-Jan-11 A	26-Sep-13 A
A1180	SA32 - Roadside FVMS		100%	265	26-Mar-11 A	15-Dec-11 A

Section 5

A1190	SA31 - South Bound		100%	884	26-Feb-10 A	28-Mar-13 A
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Section 7

A1200	SA41 - Site Office	-71	85.96%	1581	26-Feb-10 A	05-Sep-14
A1210	SA42 - Temporary Contractor's Works Area	0	90.52%	1582	25-Feb-10 A	25-Jun-14

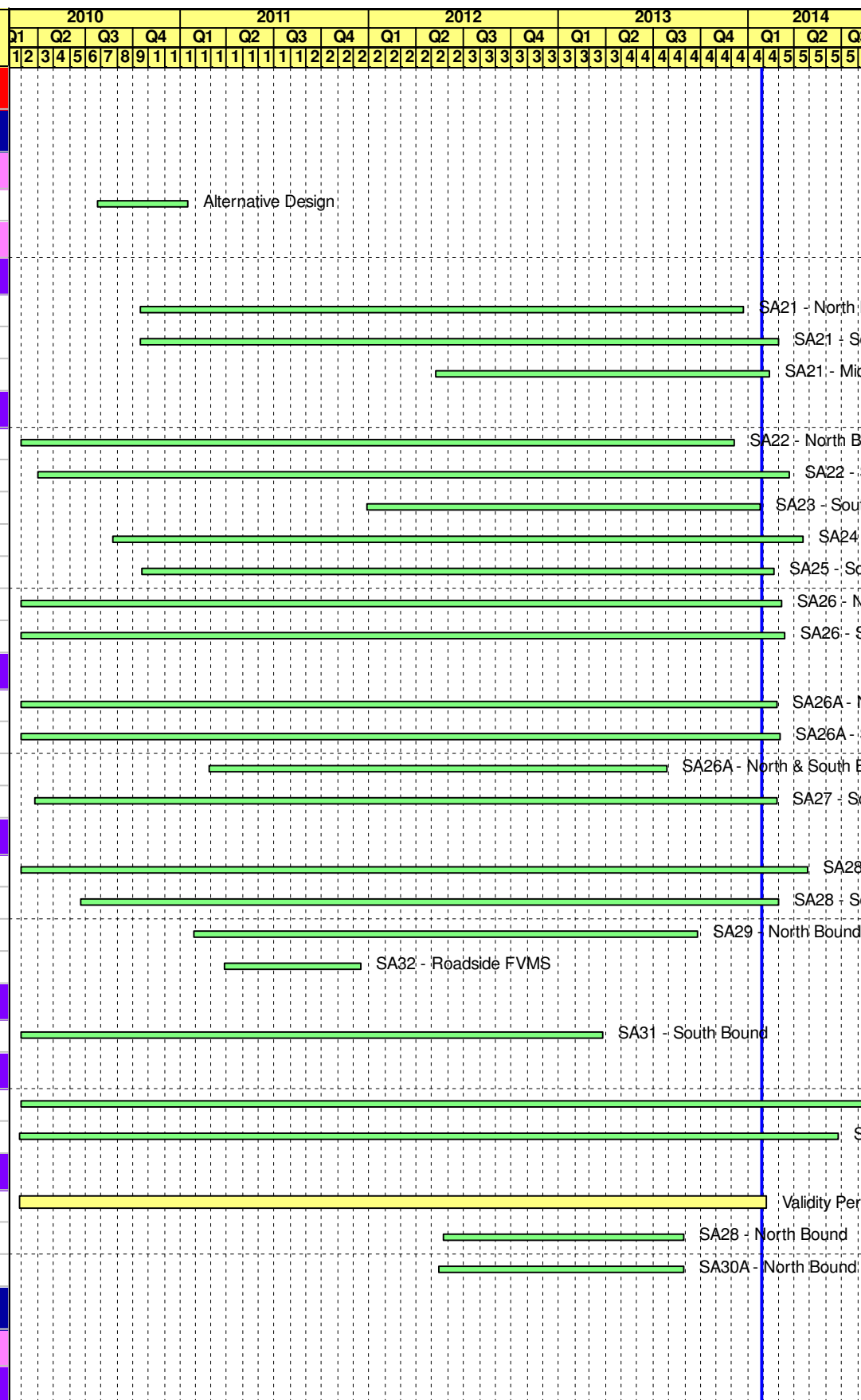
Section 17 (Subject to Excision, Engineer may instruct within 819 days)

A1300	Validity Period	140	98.6%	819	25-Feb-10 A	07-Feb-14
A1310	SA28 - North Bound		100%	34	24-May-12 A	31-Aug-13 A
A1320	SA30A - North Bound		100%	155	14-May-12 A	31-Aug-13 A

KEY DATES/ MILESTONES

Portion Handover Dates

Section 1 (Site Area SA21)



Project ID: J3318-UPDATE 2014JAN
 Project Name: HY/2009/08 TOLO HIGHWAY WIDENING...
 Print Date: 30-Jan-14
 Data Date: 27-Jan-14
 Page 1 of 46

- Current Bar
- Level of Effort
- Critical
- Milestone

Highways Department - Contract No. HY/2009/08

**Widening of Tolo Highway/ Fanling Highway
 Stage 1 - Between Ma Wo and Tai Hang**

Updated Works Programme, 26 January 2014

UWP Revision			
Date	Revision	Checked	Approved
27-Jan-14	UWP January, 2014	WY	JC

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011												2012												2013												2014											
							Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4														
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
PHSA2100	Possession of SA21 (Day365)		100%	0	16-Jul-10 A		◇ Possession of SA21 (Day365)																																																											
Section 3 (Site Area SA26A and SA 27)																																																																		
PHSA26A0	Possession of SA26A (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA26A (Day0)																																																											
PHSA2700	Possession of SA27 (Day 90)		100%	0	26-Mar-10 A		◇ Possession of SA27 (Day 90)																																																											
Section 2 (Site Area SA22, SA23, SA24, SA25 and SA26)																																																																		
PHSA2200	Possession of SA22 (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA22 (Day0)																																																											
PHSA2300	Possession of SA23 (Day180)		100%	0	04-May-10 A		◇ Possession of SA23 (Day180)																																																											
PHSA2400	Possession of SA24 (Day180)		100%	0	04-May-10 A		◇ Possession of SA24 (Day180)																																																											
PHSA2500	Possession of SA25 (Day270)		100%	0	04-May-10 A		◇ Possession of SA25 (Day270)																																																											
PHSA2600	Possession of SA26 (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA26 (Day0)																																																											
Section 4 (Site Area SA28, SA29 and SA32)																																																																		
PHSA2800	Possession of SA28 (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA28 (Day0)																																																											
PHSA2900	Possession of SA29 (Day270)		100%	0	27-Jul-10 A		◇ Possession of SA29 (Day270)																																																											
PHSA3200	Possession of SA32 (Day365)		100%	0	25-Feb-11 A		◇ Possession of SA32 (Day365)																																																											
Section 5 (Site Area SA31)																																																																		
PHSA3100	Possession of SA31 (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA31 (Day0)																																																											
Section 7 (All Works Except Works Included in Other Sections)																																																																		
PHSA4100	Possession of SA41 (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA41 (Day0)																																																											
PHSA4200	Possession of SA42 (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA42 (Day0)																																																											
PHSA4300	Possession of SA43 (Day90)		100%	0	04-May-10 A		◇ Possession of SA43 (Day90)																																																											
Section 8 (Establishment Works in Site Area SA21)																																																																		
PHSA2110	Possession of SA21 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA21 (Day1217)																																																											
Section 9 (Establishment Works in Site Area SA22, SA23, SA24, SA25 and SA26)																																																																		
PHSA2210	Possession of SA22 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA22 (Day1217)																																																											
PHSA2310	Possession of SA23 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA23 (Day1217)																																																											
PHSA2420	Possession of SA24 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA24 (Day1217)																																																											
PHSA2510	Possession of SA25 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA25 (Day1217)																																																											
PHSA2610	Possession of SA26 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA26 (Day1217)																																																											
Section 10 (Establishment Works in Site Area SA26A and SA27)																																																																		
PHSA26A1	Possession of SA26A (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA26A (Day1217)																																																											
PHSA2710	Possession of SA27 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA27 (Day1217)																																																											
Section 11 (Establishment Works in Site Area SA28 and SA29)																																																																		
PHSA2810	Possession of SA28 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA28 (Day1217)																																																											
PHSA2910	Possession of SA29 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA29 (Day1217)																																																											
Section 12 (Establishment Works in Site Area SA30 and SA30A)																																																																		
PHSA3000	Possession of SA30 (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA30 (Day1217)																																																											
PHSA30A0	Possession of SA30A (Day1217)	-214	0%	0	27-Jan-14		◇ Possession of SA30A (Day1217)																																																											
Section 13 (Remainder of Establishment Works)																																																																		
PHSA3110	Possession of SA31 (Day1217)	-178	0%	0	27-Jan-14*		◇ Possession of SA31 (Day1217)																																																											
PHSA3220	Possession of SA32 (Day1217)	-178	0%	0	27-Jan-14*		◇ Possession of SA32 (Day1217)																																																											
PHSA4120	Possession of SA41 (Day1217)	-178	0%	0	27-Jan-14*		◇ Possession of SA41 (Day1217)																																																											
PHSA4220	Possession of SA42 (Day1217)	-178	0%	0	27-Jan-14*		◇ Possession of SA42 (Day1217)																																																											
PHSA4330	Possession of SA43 (Day1217)	-178	0%	0	27-Jan-14*		◇ Possession of SA43 (Day1217)																																																											
Section 14 Comprises Routine Maintenance of Road Network in Site Area SA21 to SA31)																																																																		
PHSA2130	Possession of SA21 for Routine Maintenance (Day365)		100%	0	16-Jul-10 A		◇ Possession of SA21 for Routine Maintenance (Day365)																																																											
PHSA2230	Possession of SA22 for Routine Maintenance (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA22 for Routine Maintenance (Day0)																																																											

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014											
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3									
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
PHSA2330	Possession of SA23 for Routine Maintenance (Day180)		100%	0	04-May-10 A		◇ Possession of SA23 for Routine Maintenance (Day180)																																			
PHSA2430	Possession of SA24 for Routine Maintenance (Day180)		100%	0	04-May-10 A		◇ Possession of SA24 for Routine Maintenance (Day180)																																			
PHSA2530	Possession of SA25 for Routine Maintenance (Day270)		100%	0	04-May-10 A		◇ Possession of SA25 for Routine Maintenance (Day270)																																			
PHSA2630	Possession of SA26 for Routine Maintenance (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA26 for Routine Maintenance (Day0)																																			
PHSA26A3	Possession of SA26A for Routine Maintenance (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA26A for Routine Maintenance (Day0)																																			
PHSA2730	Possession of SA27 for Routine Maintenance (Day90)		100%	0	26-Mar-10 A		◇ Possession of SA27 for Routine Maintenance (Day90)																																			
PHSA2830	Possession of SA28 for Routine Maintenance (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA28 for Routine Maintenance (Day0)																																			
PHSA2930	Possession of SA29 for Routine Maintenance (Day270)		100%	0	27-Jul-10 A		◇ Possession of SA29 for Routine Maintenance (Day270)																																			
PHSA3060	Possession of SA30 for Routine Maintenance (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA30 for Routine Maintenance (Day0)																																			
PHSA30A4	Possession of SA30A for Routine Maintenance (Day180)		100%	0	27-Jul-10 A		◇ Possession of SA30A for Routine Maintenance (Day180)																																			
PHSA3130	Possession of SA31 for Routine Maintenance		100%	0	26-Feb-10 A		◇ Possession of SA31 for Routine Maintenance																																			
Section 17 (Subject to Excision and Instruct by Engineer within 819 days)																																										
PHSA3030	Earliest Date to Possession of SA30		100%	0	26-Feb-10 A		◇ Earliest Date to Possession of SA30																																			
PHSA30A3	Earliest Date to Possession of SA30A		100%	0	27-Jul-10 A		◇ Earliest Date to Possession of SA30A																																			
Key Dates (include EOT GCL submitted and awarded upto Aug 2013)																																										
HDS01000	KD1: Completion of Section 1 - (Day1216) - Overall Completion of Works	-100	0%	0		28-Feb-14*	◇ KD1: Comp																																			
HDS01100	KD1: Completion of Section 1 - (Day1216) - Substantial Completion for Road Opening	-71	0%	0		30-Jan-14*	◇ KD1: Comple																																			
HDS02000	KD2: Completion of Section 2 - (Day1216) - Overall Completion of Works	-95	0%	0		16-Apr-14*	◇ KD2: Cc																																			
HDS02100	KD2: Completion of Section 2 - (Day1216) - Substantial Completion for Road Opening	-70	0%	0		22-Mar-14*	◇ KD2: Con																																			
HDS03000	KD3: Completion of Section 3 - (Day1216) - Overall Completion of Works	-59	0%	0		10-Apr-14*	◇ KD3: Cc																																			
HDS03100	KD3: Completion of Section 3 - (Day1216) - Substantial Completion for Road Opening	-17	0%	0		28-Feb-14*	◇ KD3: Comp																																			
HDS04000	KD4: Completion of Section 4 - (Day1216) - Overall Completion of Works	-65	0%	0		26-Apr-14*	◇ KD4: C																																			
HDS04100	KD4: Completion of Section 4 - (Day1216) - Substantial Completion for Road Opening	-8	0%	0		28-Feb-14*	◇ KD4: Comp																																			
HDS05000	KD5: Completion of Section 5 - (Day884)		100%	0		28-Mar-13 A	◇ KD5: Completion of Section 5 - (Da																																			
HDS07000	KD7: Completion of Section 7 - (Day1581)	0	0%	0		25-Jun-14*	◇ KD																																			
HDS08000	KD8: Completion of Section 8 - (Day1581)	0	0%	0		25-Jun-14*	◇ KD																																			
HDS09000	KD9: Completion of Section 9 - (Day1581)	0	0%	0		25-Jun-14*	◇ KD																																			
HDS10000	KD10: Completion of Section 10 - (Day1581)	0	0%	0		25-Jun-14*	◇ KD																																			
HDS11000	KD11: Completion of Section 11 - (Day1581)	0	0%	0		25-Jun-14*	◇ KD																																			
HDS12000	KD12: Completion of Section 12 - (Day1581)	0	0%	0		25-Jun-14*	◇ KD																																			
HDS13000	KD13: Completion of Section 13 - (Day1581)	0	0%	0		25-Jun-14*	◇ KD																																			
HDS14000	KD14: Completion of Section 14 - (Day1581)	0	0%	0		25-Jun-14*	◇ KD																																			
HDS17000	KD17: Latest Date to Compl of Section 17 - (Day397) Subject to Excision		100%	0		31-Aug-13 A	◇ KD17: Latest Date to Cc																																			
DESIGN SUBMISSION																																										
Alternative Design																																										
Ground Investigation & Reporting																																										
AD000010	Ground Investigation for Alternative Design		100%	54	22-Mar-10 A	29-May-10 A	Ground Investigation for Alternative Design																																			
AD000020	Report of Ground Investigation		100%	56	12-Apr-10 A	18-Jun-10 A	Report of Ground Investigation																																			
Package AD1: W56B																																										
AD000110	AD1 - Design Period		100%	80	29-Mar-10 A	08-Jul-10 A	AD1 - Design Period																																			
AD000120	AD1 - Full Package to ICE for Certification		100%	20	09-Jul-10 A	31-Jul-10 A	AD1 - Full Package to ICE for Certification																																			
AD000130	AD1 - Approval by ER/CLIENT/CEDD (GEO)		100%	101	09-Jul-10 A	06-Nov-10 A	AD1 - Approval by ER/CLIENT/CEDD (GEO)																																			
Package AD2: W57B																																										
AD000210	AD2 - Design Period		100%	72	14-Apr-10 A	10-Jul-10 A	AD2 - Design Period																																			
AD000220	AD2 - Full Package to ICE for Certification		100%	44	12-Jul-10 A	31-Aug-10 A	AD2 - Full Package to ICE for Certification																																			
AD000230	AD2 - Approval by ER/CLIENT/CEDD (GEO)		100%	172	26-Nov-10 A	26-Apr-11 A	AD2 - Approval by ER/CLIENT/CEDD (GEO)																																			

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010				2011				2012				2013				2014		
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
							1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
Package AD3: W69																									
AD000310	AD3 - Design Period		100%	75	03-May-10 A	31-Jul-10 A	AD3 - Design Period																		
AD000320	AD3 - Full Package to ICE for Certification		100%	57	02-Aug-10 A	08-Oct-10 A	AD3 - Full Package to ICE for Certification																		
AD000330	AD3 - Approval by ER/CLIENT/CEDD (GEO)		100%	100	02-Aug-10 A	29-Nov-10 A	AD3 - Approval by ER/CLIENT/CEDD (GEO)																		
Package AD4: W38																									
AD000410	AD4 - Design Period		100%	78	09-Jun-10 A	09-Sep-10 A	AD4 - Design Period																		
AD000420	AD4 - Full Package to ICE for Certification		100%	18	10-Sep-10 A	09-Nov-10 A	AD4 - Full Package to ICE for Certification																		
AD000430	AD4 - Approval by ER/CLIENT/CEDD (GEO)		100%	54	11-Nov-10 A	15-Jan-11 A	AD4 - Approval by ER/CLIENT/CEDD (GEO)																		
Package AD5 (Noise Barrier Foundation): NB38, NB39, NB41 & NB43																									
AD000510	AD5 - Design Period		100%	98	21-Jul-10 A	22-Oct-10 A	AD5 - Design Period																		
AD000520	AD5 - Full Package to ICE for Certification		100%	51	23-Oct-10 A	22-Dec-10 A	AD5 - Full Package to ICE for Certification																		
AD000530	AD5 - Approval by ER/CLIENT/CEDD (GEO)		100%	74	18-Oct-10 A	14-Jan-11 A	AD5 - Approval by ER/CLIENT/CEDD (GEO)																		
MATERIALS PROCUREMENT																									
Major Materials (Detail shall refer to supplementary information)																									
Water Works																									
MA001010	Place Order		100%	0	31-Aug-10 A		Place Order																		
MA001030	Fabrication, Manufacturing & Delivery		100%	900	31-Aug-10 A	31-Aug-12 A	Fabrication, Manufacturing & Delivery																		
Vehicular Parapet SSD161																									
MA001050	Place Order		100%	0	26-May-11 A		Place Order																		
MA001060	Fabrication, Manufacturing & Delivery		100%	350	26-May-11 A	24-Aug-12 A	Fabrication, Manufacturing & Delivery																		
Bearing																									
MA001070	Place Order		100%	0	31-Jul-10 A		Place Order																		
MA001080	Fabrication, Manufacturing & Delivery		100%	630	31-Jul-10 A	05-Aug-12 A	Fabrication, Manufacturing & Delivery																		
Movement Joint																									
MA001090	Place Order		100%	0	31-Aug-10 A		Place Order																		
MA001100	Fabrication, Manufacturing & Delivery		100%	620	31-Aug-10 A	31-Aug-12 A	Fabrication, Manufacturing & Delivery																		
CONSTRUCTION PHASE																									
Preliminaries & General Requirement																									
Preliminaries																									
General Submissions																									
PR000000	Commencement of Works		100%	0	26-Feb-10 A		Commencement of Works																		
PR001000	Site Establishment		100%	90	26-Feb-10 A	25-May-10 A	Site Establishment																		
PR001010	Effect required Insurances		100%	0	26-Feb-10 A		Effect required Insurances																		
PR001030	Erect Contractor's Office Compound		100%	69	26-Feb-10 A	04-May-10 A	Erect Contractor's Office Compound																		
PR001040	Submit Site Organization Chart		100%	14	26-Feb-10 A	10-Mar-10 A	Submit Site Organization Chart																		
PR001050	Submit Site Layout Plan		100%	7	26-Feb-10 A	03-Mar-10 A	Submit Site Layout Plan																		
PR001060	Prepare/Submit Initial Works Programme		100%	7	26-Feb-10 A	03-Mar-10 A	Prepare/Submit Initial Works Programme																		
PR001070	Approval on Initial Works Programme		100%	30	04-Mar-10 A	02-Apr-10 A	Approval on Initial Works Programme																		
PR001080	Prepare/Submit Detailed Works Programme		100%	58	03-Apr-10 A	30-May-10 A	Prepare/Submit Detailed Works Programme																		
PR001090	Prepare/Submit First 3-month Programme		100%	14	26-Feb-10 A	10-Mar-10 A	Prepare/Submit First 3-month Programme																		
PR001100	Submit initial 12-month Pgr for Rou. Maint. Work		100%	14	26-Feb-10 A	10-Mar-10 A	Submit initial 12-month Pgr for Rou. Maint. Work																		
PR001110	Submit Rolling 3month Routine Maint. Program		100%	14	26-Feb-10 A	10-Mar-10 A	Submit Rolling 3month Routine Maint. Program																		
PR001170	Prepare/Submit Subcon Management Plan (SMP)		100%	30	26-Feb-10 A	26-Mar-10 A	Prepare/Submit Subcon Management Plan (SMP)																		
PR001200	Submit Interface Management Plan		100%	60	26-Feb-10 A	25-Apr-10 A	Submit Interface Management Plan																		
PR001242	Application of Expressway Permit		100%	7	26-Feb-10 A	03-Mar-10 A	Application of Expressway Permit																		
PR001244	Approval of Expressway Permit		100%	21	04-Mar-10 A	24-Mar-10 A	Approval of Expressway Permit																		

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014		
							Q1				Q2				Q3				Q4				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
S21N2140	Backfilling behind W36 and drainage works	-58	95%	70	04-Mar-13 A	30-Jan-14	Backfilling behind W36 and drainage works																										
Retaining Wall W38 (AD4)																																	
S21N2210	Pre-drilling		100%	24	26-Feb-11 A	25-Mar-11 A	Pre-drilling																										
S21N2220	Prepare Piling Platform for W38		100%	30	26-Feb-11 A	01-Apr-11 A	Prepare Piling Platform for W38																										
S21N2225	COD: Mobilization of 1 no. rig from W56B to W38 for piling work		100%	60	14-Mar-11 A	27-Jun-11 A	COD: Mobilization of 1 no. rig from W56B to W38 for piling work																										
S21N2230	Pile for W38 (2 rig)		100%	141	26-Mar-11 A	22-Jun-11 A	Pile for W38 (2 rig)																										
S21N2231	Installation of Piles - Stage 1 (CH2470-2545)		100%	69	26-Mar-11 A	22-Jun-11 A	Installation of Piles - Stage 1 (CH2470-2545)																										
S21N2232	Installation of Piles - Stage 2 (Remain)		100%	72	12-Apr-11 A	22-Jun-11 A	Installation of Piles - Stage 2 (Remain)																										
S21N2240	Retaining Wall & Drainage W38		100%	230	27-Jun-11 A	24-Dec-12 A	Retaining Wall & Drainage W38																										
S21N2242	Excavation to +54.5mPD		100%	60	27-Jun-11 A	05-Sep-11 A	Excavation to +54.5mPD																										
S21N2244	Excavation to formation		100%	60	26-Sep-11 A	06-Dec-11 A	Excavation to formation																										
S21N2250	Construction of Base & Wall - Stage 1 (CH2470 - 2520)		100%	75	07-Dec-11 A	31-Jan-12 A	Construction of Base & Wall - Stage 1 (CH2470 - 2520)																										
S21N2252	Backfilling to road formation - Stage 1 (CH2470 - 2520)		100%	50	21-Jan-12 A	18-Feb-12 A	Backfilling to road formation - Stage 1 (CH2470 - 2520)																										
S21N2254	Construction of Base & Wall - Stage 2 (Ch2520 - 2600)		100%	75	20-Feb-12 A	29-Sep-12 A	Construction of Base & Wall - Stage 2 (Ch2520 - 2600)																										
S21N2256	Backfilling to formation level - Stage 2 (CH2520 - 2600)		100%	30	01-Oct-12 A	24-Dec-12 A	Backfilling to formation level - Stage 2 (CH2520 - 2600)																										
S21N2266	Backfilling behind W38 and drainage works		100%	70	04-Mar-13 A	14-Dec-13 A	Backfilling behind W38 and drainage works																										
Retaining Wall W39 (CDS 3)																																	
S21N2302	Clearing & Prepare Piling Platform & Pre-drilling for W39		100%	10	27-Jun-11 A	09-Jul-11 A	Clearing & Prepare Piling Platform & Pre-drilling for W39																										
S21N2304	Piling Works		100%	36	03-Oct-11 A	14-Nov-11 A	Piling Works																										
S21N2306	Sheet Pile/ Excavate & Construct W39		100%	75	20-Aug-12 A	01-Dec-12 A	Sheet Pile/ Excavate & Construct W39																										
S21N2307	Opencut Excavation		100%	7	20-Aug-12 A	03-Sep-12 A	Opencut Excavation																										
S21N2308	Construction of W39 Structure		100%	50	04-Sep-12 A	21-Nov-12 A	Construction of W39 Structure																										
S21N2309	Backfilling		100%	12	26-Nov-12 A	01-Dec-12 A	Backfilling																										
S21N2319	Backfilling behind W39 and drainage works	-58	95%	70	04-Mar-13 A	30-Jan-14	Backfilling behind W39 and drainage works																										
Retaining Wall W40 (CSD 3)																																	
S21N2312	Clearing & Prepare Piling Platform & Pre-drilling for W40		100%	12	03-Oct-11 A	17-Oct-11 A	Clearing & Prepare Piling Platform & Pre-drilling for W40																										
S21N2314	Excavation for W40		100%	12	20-Aug-12 A	06-Sep-12 A	Excavation for W40																										
S21N2316	Construct W40		100%	40	07-Sep-12 A	13-Oct-12 A	Construct W40																										
S21N2326	Backfilling		100%	11	20-Dec-12 A	29-Dec-12 A	Backfilling																										
S21N2336	Backfilling behind W40 and drainage works	-58	95%	70	04-Mar-13 A	30-Jan-14	Backfilling behind W40 and drainage works																										
Retaining Wall W41 A																																	
S21N2400	Sheet Pile/Excavate & Construct W41A		100%	72	26-Sep-11 A	25-Nov-11 A	Sheet Pile/Excavate & Construct W41A																										
S21N2410	Opencut Excavation		100%	7	26-Sep-11 A	04-Oct-11 A	Opencut Excavation																										
S21N2420	Construction of W41A Structure		100%	47	05-Oct-11 A	31-Oct-11 A	Construction of W41A Structure																										
S21N2430	Backfilling		100%	18	01-Nov-11 A	25-Nov-11 A	Backfilling																										
Retaining Wall W41 B																																	
S21N2618	Sheet Pile/Excavate & Construct W41B		100%	71	26-Sep-11 A	25-Nov-11 A	Sheet Pile/Excavate & Construct W41B																										
S21N2628	Opencut Excavation		100%	7	26-Sep-11 A	04-Oct-11 A	Opencut Excavation																										
S21N2648	Construction of W41B Structure		100%	47	05-Oct-11 A	31-Oct-11 A	Construction of W41B Structure																										
S21N2658	Backfilling		100%	17	01-Nov-11 A	25-Nov-11 A	Backfilling																										
Retaining Wall W45-48/A																																	
S21N2500	Sheet Pile/Excavate & Construct W45-48/A		100%	174	01-Mar-11 A	11-Jan-13 A	Sheet Pile/Excavate & Construct W45-48/A																										
S21N2510	Opencut Excavation (W45, W46 & W47)		100%	36	12-Oct-11 A	23-Nov-11 A	Opencut Excavation (W45, W46 & W47)																										
S21N2520	Opencut Excavation (W48, W48A)		100%	18	01-Mar-11 A	31-Mar-11 A	Opencut Excavation (W48, W48A)																										
S21N2530	Construction of RW Structure (W47)		100%	75	01-Mar-12 A	25-Aug-12 A	Construction of RW Structure (W47)																										
S21N2540	Construction of RW Structure (W48)		100%	45	13-Apr-12 A	19-Nov-12 A	Construction of RW Structure (W48)																										
S21N2550	Construction of RW Structure (W48A)		100%	60	01-Apr-11 A	06-May-11 A	Construction of RW Structure (W48A)																										
S21N2560	Backfilling W47, W48 & W48A		100%	40	28-Aug-12 A	11-Jan-13 A	Backfilling W47, W48 & W48A																										

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011												2012												2013												2014											
							Q1				Q2				Q3				Q4				Q1				Q2				Q3				Q4				Q1				Q2				Q3				Q4															
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
S21N2570	Construction of RW Structure (W45)		100%	75	26-Jan-12 A	04-Jun-12 A	Construction of RW Structure (W45)																																																											
S21N2580	Construction of RW Structure (W46)		100%	75	01-Mar-12 A	26-May-12 A	Construction of RW Structure (W46)																																																											
S21N2590	Backfilling W45 & W46		100%	40	28-Aug-12 A	20-Oct-12 A	Backfilling W45 & W46																																																											
S21N2600	Backfilling behind W45 to W48 and drainage works	-58	95%	70	04-Mar-13 A	30-Jan-14	Backfilling behind W45 to W48 and drainage works																																																											
Retaining Wall W49																																																																		
S21N2604	Clearing & Prepare Piling Platform & Pre-drilling for W49		100%	24	20-Nov-10 A	24-Feb-11 A	Clearing & Prepare Piling Platform & Pre-drilling for W49																																																											
S21N2610	Sheet Pile/Excavate & Construct W49		100%	96	26-Mar-11 A	26-Jul-11 A	Sheet Pile/Excavate & Construct W49																																																											
S21N2620	Opencut Excavation		100%	18	26-Mar-11 A	16-Apr-11 A	Opencut Excavation																																																											
S21N2630	Construction of W49 Structure		100%	36	08-Mar-11 A	20-Aug-11 A	Construction of W49 Structure																																																											
S21N2640	Backfilling		100%	15	22-Aug-11 A	12-Nov-11 A	Backfilling																																																											
S21N2650	Backfilling behind W49 and drainage works		100%	70	04-Mar-13 A	25-Nov-13 A	Backfilling behind W49 and drainage works																																																											
Road Re-Construction Works, Roadworks & Drainage																																																																		
S21N4000	Road works Slow Lane (Ch2400 ~ 2650)		100%	20	14-Dec-12 A	04-Jan-13 A	Road works Slow Lane (Ch2400 ~ 2650)																																																											
S21N4010	Road works Slow Lane (Ch2650 ~ 2840)		100%	20	10-Jan-13 A	11-Apr-13 A	Road works Slow Lane (Ch2650 ~ 2840)																																																											
S21N4100	Roadworks, Drainages & Utilities (CH 2400 - 2840)	-57	98.65%	133	06-Aug-11 A	28-Jan-14	Roadworks, Drainages & Utilities (CH 2400 - 2840)																																																											
S21N4110	Removal of existing paving		100%	25	06-Aug-11 A	13-Jul-13 A	Removal of existing paving																																																											
S21N4120	Drainages (incl. VO 33 : Drainage details at W48)		100%	25	06-Aug-12 A	05-Apr-13 A	Drainages (incl. VO 33 : Drainage details at W48)																																																											
S21N4130	Utilities (incl. VO 26: Permanent Diversion of existing DN80 WSD Watermain at Ma WO Subway TP9)	-56	95%	25	08-Jul-13 A	28-Jan-14	Utilities (incl. VO 26: Permanent Diversion of existing DN80 WSD Watermain at Ma WO Subway TP9)																																																											
S21N4135	Road Surface (Stage 1: CH2400 - CH2520)		100%	75	26-Dec-11 A	24-Feb-12 A	Road Surface (Stage 1: CH2400 - CH2520)																																																											
S21N4140	Road Surface (Stage 2 : CH2520 - CH2840)		100%	75	08-Jan-13 A	14-Dec-13 A	Road Surface (Stage 2 : CH2520 - CH2840)																																																											
S21N4141	Road Construction Works (CH2600 - CH3000) for traffic diversion stage 4B-1		100%	75	10-Jan-13 A	04-May-13 A	Road Construction Works (CH2600 - CH3000) for traffic diversion stage 4B-1																																																											
S21N4142	Road Construction Works (Fast Lane) for C1/ C2 Interface stage 6B		100%	40	21-Jan-13 A	11-May-13 A	Road Construction Works (Fast Lane) for C1/ C2 Interface stage 6B																																																											
S21N4143	Road Construction Works (Mid Lane) for C1/ C2 Interface stage 7B		100%	28	13-May-13 A	09-Jun-13 A	Road Construction Works (Mid Lane) for C1/ C2 Interface stage 7B																																																											
S21N4144	Road Construction Works (Slow Lane) for C1/ C2 Interface stage 8B		100%	27	10-Jun-13 A	06-Jul-13 A	Road Construction Works (Slow Lane) for C1/ C2 Interface stage 8B																																																											
S21N4145	Road Construction Works for C1/ C2 Interface Final stage	-57	95%	36	08-Jul-13 A	28-Jan-14	Road Construction Works for C1/ C2 Interface Final stage																																																											
S21N4150	Shift lane for C1/ C2 Interface (Stage 1)		100%	0	27-Feb-12 A		Shift lane for C1/ C2 Interface (Stage 1)																																																											
S21N4152	Shift lane for C1/ C2 interface (Stage 2: North Bound along W38 to W46)		100%	0	20-Jan-13 A		Shift lane for C1/ C2 interface (Stage 2: North Bound along W38 to W46)																																																											
S21N4153	Shift lane for (CH2600 - CH3000) stage 4B-1		100%	0	05-May-13 A		Shift lane for (CH2600 - CH3000) stage 4B-1																																																											
S21N4155	Shift lane for C1/ C2 Interface stage 6B		100%	0	12-May-13 A		Shift lane for C1/ C2 Interface stage 6B																																																											
S21N4156	Shift lane for C1/ C2 Interface stage 7B		100%	0	09-Jun-13 A		Shift lane for C1/ C2 Interface stage 7B																																																											
S21N4157	Shift lane for C1/ C2 Interface stage 8B		100%	0	07-Jul-13 A		Shift lane for C1/ C2 Interface stage 8B																																																											
S21N4160	Shift lane for C1/ C2 interface Final stage	-57	0%	0	28-Jan-14		Shift lane for C1/ C2 interface Final stage																																																											
Noise Barriers & Road Barriers																																																																		
Noise Barrier NB31																																																																		
S21N3010	NB31 (CH 0-183.6, W39 - W49)		100%	80	07-Nov-12 A	17-Jan-13 A	NB31 (CH 0-183.6, W39 - W49)																																																											
S21N3060	NB31 : Excavation and Footing (Bay 1-4)		100%	24	07-Nov-12 A	05-Jan-13 A	NB31 : Excavation and Footing (Bay 1-4)																																																											
S21N3070	NB31 : Excavation and Footing (Bay 5 - 7)		100%	24	01-Dec-12 A	08-Jan-13 A	NB31 : Excavation and Footing (Bay 5 - 7)																																																											
S21N3080	NB31 : Erecting H-Column		100%	18	02-Jan-13 A	10-Jan-13 A	NB31 : Erecting H-Column																																																											
S21N3090	NB31 (CH 90-183.6) : Installation Panel		100%	18	11-Jan-13 A	17-Jan-13 A	NB31 (CH 90-183.6) : Installation Panel																																																											
S21N3100	Remaining NB31 Installation of Panel	-55	98.01%	7	27-Jun-13 A	27-Jan-14	Remaining NB31 Installation of Panel																																																											
Traffic Control & Survelance System																																																																		
S21N4800	TCSS (Gantry G23A) (incl. VO73 Revised Sign Gantry Details)		100%	50	10-Jan-13 A	07-Sep-13 A	TCSS (Gantry G23A) (incl. VO73 Revised Sign Gantry Details)																																																											
Landscaping																																																																		
S21N6000	Landscaping Works	-73	50%	25	02-Nov-13 A	19-Feb-14	Landscaping Works																																																											
South Bound																																																																		
Preliminaries																																																																		
S21S0000	Site Clearance/Access Rd		100%	48	15-Oct-10 A	10-Dec-10 A	Site Clearance/Access Rd																																																											

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010				2011				2012				2013				2014		
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7
S25S4000	Roadworks, Drainages & Utilities (CH 3400 - 3600)	121	100%	109	27-Feb-13 A	27-Jan-14																			
S25S4025	Road Works for Mid and Slow Lane		100%	60	27-Feb-13 A	03-Jun-13 A																			
S25S4030	Drainages Works		100%	60	04-Mar-13 A	19-Apr-13 A																			
S25S4040	Road Surface for Mid and Slow Lane		100%	10	31-May-13 A	21-Jun-13 A																			
S25S4060	Removal of existing central barrier and forming temporary road (CH 3350 - CH 3550)		100%	12	24-Jun-13 A	09-Jul-13 A																			
S25S4070	Road Construction and Remaining Works (along CH 3400 - 3600)	-15	90%	30	27-Jul-13 A	29-Jan-14																			
S25S4200	Slip Road H		100%	50	27-Aug-13 A	14-Dec-13 A																			
Noise Barriers & Road Barriers																									
Noise Barrier NB34																									
S25S3000	Construct Noise Barrier & Beam Barrier, NB34		100%	95	13-Nov-12 A	04-Feb-13 A																			
S25S3010	NB34 : Foundation Works		100%	36	13-Nov-12 A	03-Jan-13 A																			
S25S3020	NB34 : Installation of H-column & Panel		100%	36	23-Jan-13 A	04-Feb-13 A																			
Traffic Control & Survelance System																									
S25S4810	TCSS - Stage 1 (Bridge 13A)		100%	30	08-Apr-13 A	25-May-13 A																			
Site Area SA26																									
PHSA2620	Possession of SA26 (Day0)		100%	0	26-Feb-10 A		◇ Possession of SA26 (Day0)																		
SA260000	Site Area SA26 Works Period	-61	96.22%	1216	26-Feb-10 A	13-Mar-14	— Site Area SA26 Works Period																		
SA260010	Site Area SA26 Works Completion	-61	0%	0		13-Mar-14	◇ Site Area SA26 Works Completion																		
SA260020	Temporary Traffic Management (Detail shall refer to supplementary information)	-49	96.24%	983	26-Feb-10 A	13-Mar-14	— Temporary Traffic Management																		
SA260030	Overall Utility Diversion (Detail shall refer to supplementary information)	-49	96.24%	983	26-Feb-10 A	13-Mar-14	— Overall Utility Diversion																		
SA260040	Additional work to existing ball valves, HKCG	-64	0%	52	27-Jan-14	31-Mar-14	■ Additional work to existing ball valves, HKCG																		
North Bound																									
Preliminaries																									
S26N0000	Site Clearance/Access Rd (Tai Wo Road)		100%	150	26-Feb-10 A	28-Aug-10 A	— Site Clearance/Access Rd (Tai Wo Road)																		
S26N0010	Site Clearance (Tai Wo Road)		100%	75	26-Feb-10 A	31-May-10 A	■ Site Clearance (Tai Wo Road)																		
S26N0020	Access Road (Tai Wo Road)		100%	75	01-Jun-10 A	28-Aug-10 A	■ Access Road (Tai Wo Road)																		
Slopeworks																									
S26N5000	Slopeworks Cut(S31A-sn)		100%	150	01-Jun-11 A	25-Nov-11 A	— Slopeworks Cut(S31A-sn)																		
S26N5010	Slopeworks Cut(S31A-sn) - Stage 1 (Upper +65mPD)		100%	50	01-Jun-11 A	06-Aug-11 A	■ Slopeworks Cut(S31A-sn) - Stage 1 (Upper +65mPD)																		
S26N5020	Slopeworks Cut(S31A-sn) - Stage 2 (Middle +60mPD)		100%	50	08-Aug-11 A	22-Oct-11 A	■ Slopeworks Cut(S31A-sn) - Stage 2 (Middle +60mPD)																		
S26N5030	Slopeworks Cut(S31A-sn) - Stage 3 (Lower +55mPD)		100%	50	24-Oct-11 A	25-Nov-11 A	■ Slopeworks Cut(S31A-sn) - Stage 3 (Lower +55mPD)																		
S26N5040	Remaining Works of S31A	-29	70%	40	27-Jul-13 A	19-Feb-14	■ Remaining Works of S31A																		
Construction of Retaining Wall																									
Retaining Wall W59																									
S26N2000	Excavate & Construct W59 (w/SP)		100%	286	01-Mar-12 A	22-Mar-13 A	— Excavate & Construct W59 (w/SP)																		
S26N2002	W59: Base Slab of Bay 1-3		100%	60	01-Mar-12 A	04-Jun-12 A	■ W59: Base Slab of Bay 1-3																		
S26N2004	W59: Wall of Bay 1-3		100%	60	02-Jul-12 A	24-Dec-12 A	■ W59: Wall of Bay 1-3																		
S26N2006	W59: Base Slab & Wall of Bay 9-12a		100%	56	19-Apr-12 A	12-Jan-13 A	■ W59: Base Slab & Wall of Bay 9-12a																		
S26N2008	W59: Excavation + Soil Nail for Bay 4-8		100%	45	19-Apr-12 A	09-Jul-12 A	■ W59: Excavation + Soil Nail for Bay 4-8																		
S26N2012	W59: Base Slab of Bay 4-8		100%	40	16-Jul-12 A	24-Dec-12 A	■ W59: Base Slab of Bay 4-8																		
S26N2014	W59: Wall of Bay 4-8		100%	75	27-Aug-12 A	02-Feb-13 A	■ W59: Wall of Bay 4-8																		
S26N2020	Backfilling		100%	24	23-Apr-12 A	22-Mar-13 A	■ Backfilling																		
Roadworks, Drainage & Utilities																									
S26N4000	Roadworks, Drainages & Utilities (ch3400-3720)	-23	87.72%	92	29-Jul-13 A	12-Feb-14	— Roadworks, Drainages & Utilities																		
S26N4035	Removal of existing paving	-43	60%	7	29-Jul-13 A	29-Jan-14	■ Removal of existing paving																		
S26N4055	Road and Drainage Works for Slow and Mid Lane	-43	90%	25	27-Jul-13 A	05-Feb-14	■ Road and Drainage Works for Slow and Mid Lane																		
S26N4065	Road Surface for Slow and Mid Lane	-43	90%	10	27-Aug-13 A	06-Feb-14	■ Road Surface for Slow and Mid Lane																		

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014											
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3									
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8
S26S4820	TCSS - Stage 1 (LB2)		100%	15	15-Jul-13 A	20-Aug-13 A	TCSS - Stage 1 (LB2)																																			
S26S4830	TCSS - Stage 1 (LB3), (Gantry G101) (incl. VO73 Revised Sign Gantry Details)		100%	30	10-Jun-13 A	10-Aug-13 A	TCSS - Stage 1 (LB3), (G)																																			
Landscaping																																										
S26S6000	Landscaping Works	-49	38.33%	60	26-Nov-13 A	13-Mar-14	Landscaping																																			
S26S6010	Landscaping Works - Stage 1, East of B13A	-49	10%	30	26-Nov-13 A	13-Mar-14	Landscaping																																			
S26S6040	Landscaping Works - Stage 2, West of B13A	-49	10%	30	26-Nov-13 A	13-Mar-14	Landscaping																																			
Middle Lane																																										
Road Re-construction Works, Roadworks & Drainage																																										
S26S4014	Removal of existing paving (CH3400 - CH3720)		100%	25	26-Aug-13 A	13-Sep-13 A	Removal of existing paving																																			
S26S4019	Road Works and Surface Works (CH3400 - 3720)		100%	30	26-Aug-13 A	13-Sep-13 A	Road Works and Surface																																			
Construction of Bridge 12B																																										
S22S1310	Construction of Bridge 12B		100%	367	15-Apr-10 A	20-Jul-13 A	Construction of Bridge 12B																																			
Preparatory and Enabling Works																																										
S22S1210	Prepare Piling Platform		100%	38	15-Apr-10 A	31-May-10 A	Prepare Piling Platform																																			
S22S1220	Pre-drilling Works		100%	26	15-Apr-10 A	15-May-10 A	Pre-drilling Works																																			
Construction Works of Bridge 12B																																										
S22S1230	Socketed H-Pile (B12BP8)		100%	62	01-Jun-10 A	13-Aug-10 A	Socketed H-Pile (B12BP8)																																			
S22S1250	Modify Pile caps & Additional Foundation (B12BP8)		100%	101	02-Jul-10 A	30-Oct-10 A	Modify Pile caps & Additional Foundation (B12BP8)																																			
S22S1251	Excavation & ELS Works		100%	36	02-Jul-10 A	12-Aug-10 A	Excavation & ELS Works																																			
S22S1260	VO 17.1: Modify Pilecap of Bridge 12, Pier 5, 6 & 7 (Deleted)		100%	48	18-May-12 A	28-May-12 A	VO 17.1: Modify Pilecap of Bridge 12; Pier 5, 6 & 7 (Deleted)																																			
S22S1270	VO 17.1: Modify Pilecap of Bridge 12, Pier 8 (Deleted)		100%	48	18-May-12 A	28-May-12 A	VO 17.1: Modify Pilecap of Bridge 12; Pier 8 (Deleted)																																			
S22S1280	VO 17.2: Piling for C9		100%	24	26-Jul-11 A	20-Aug-11 A	VO 17.2: Piling for C9																																			
S22S1290	VO 17.2: Piling for C10		100%	20	26-Sep-11 A	08-Oct-11 A	VO 17.2: Piling for C10																																			
S22S1340	VO 17.2: Pilecap construction of C9		100%	60	06-Mar-12 A	02-Jun-12 A	VO 17.2: Pilecap construction of C9																																			
S22S1350	VO 17.2: Pilecap construction of C10		100%	54	01-Jun-12 A	21-Aug-12 A	VO 17.2: Pilecap construction of C10																																			
S22S1400	VO 17.2: Backfilling & Site Formation		100%	24	11-May-12 A	05-Jan-13 A	VO 17.2: Backfilling & Site Formation																																			
S22S1410	VO 17.2: Pier Construction of C9 & C10		100%	94	01-Jun-12 A	20-Sep-12 A	VO 17.2: Pier Construction of C9 & C10																																			
S22S1420	VO 17.2: Pier Construction of C9		100%	60	01-Jun-12 A	31-Jul-12 A	VO 17.2: Pier Construction of C9																																			
S22S1430	VO 17.2: Pier Construction of C10		100%	75	28-Aug-12 A	13-Oct-12 A	VO 17.2: Pier Construction of C10																																			
S22S1440	Construction of 12B North Abutment		100%	75	26-Aug-11 A	31-Oct-11 A	Construction of 12B North Abutment																																			
S22S1450	VO 17.2: Deck Construction (Bearings, Drainage & MJ included)		100%	179	20-Dec-12 A	20-Jul-13 A	VO 17.2: Deck Construction																																			
S22S1460	VO 17.2: Scaffolding & Falsework		100%	35	20-Dec-12 A	28-Mar-13 A	VO 17.2: Scaffolding & Falsework																																			
S22S1470	VO 17.2: Deck Formwork, Steel Fixing and Concreting - C9 - C10 (Stage 1)		100%	65	14-Mar-13 A	12-Jul-13 A	VO 17.2: Deck Formwork, Steel																																			
S22S1480	VO 17.2: Deck Formwork, Steel Fixing and Concreting - NA to C9 (Stage 2)		100%	65	23-Mar-13 A	12-Jul-13 A	VO 17.2: Deck Formwork, Steel																																			
S22S1500	Stressing		100%	5	15-Jul-13 A	20-Jul-13 A	Stressing																																			
S22S1520	Parapet (Steel Barrier)	-51	95%	15	15-Aug-13 A	27-Jan-14	Parapet (Steel																																			
S22S1540	Road surface & road work	-51	0%	14	27-Jan-14	15-Feb-14	Road surface																																			
Construction of Bridge 12A																																										
S24S1280	Construction of Bridge 12A (incl. VO29 & VO37: revised piling details and pile caps sleeving details)		100%	451	25-Aug-10 A	14-Sep-13 A	Construction of Bridge																																			
Preparatory and Enabling Works																																										
S24N1210	Site Clearance		100%	42	25-Aug-10 A	14-Oct-10 A	Site Clearance																																			
S24N1220	Haul Road		100%	42	25-Aug-10 A	14-Oct-10 A	Haul Road																																			
S24N1230	Gas main Diversion, HKCG		100%	55	25-Aug-10 A	22-Apr-11 A	Gas main Diversion, HKCG																																			
S24N1240	11 KV Cable Diversion		100%	55	25-Aug-10 A	30-Oct-10 A	11 KV Cable Diversion																																			
S24N1250	Telephone Cable Diversion		100%	55	25-Aug-10 A	30-Oct-10 A	Telephone Cable Diversion																																			
Substructure and Pier Construction																																										

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014		
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
South Abutment							<ul style="list-style-type: none"> Piling-South Abutment Preparing piling platform Pre-drilling Piling (21nos) Excavation & Cap-South Abutment Pier & backfill, South Abutment 																										
Pier 1							<ul style="list-style-type: none"> Piling-Pier 1 (15nos) Cap-Pier 1 & Backfill Pier 1 (Pierhead included) 																										
Pier 2							<ul style="list-style-type: none"> Piling-Pier 2 (15nos) Cap-Pier 2 & Backfill Pier 2 (Pierhead included) 																										
Pier 3							<ul style="list-style-type: none"> Piling-Pier 3 (15nos) Cap-Pier 3 & Backfill Pier 3 (pierhead included) 																										
North Abutment							<ul style="list-style-type: none"> Pre-drilling & Preparation for Piling (incl. VO 39: Revised Foundation for North Abutment) ELS for North abutment Cap-North Abutment Abutment, Drainage & backfill, North Abutment 																										
Decking and Finishing							<ul style="list-style-type: none"> Deck-South Abutment to Pier 1 Deck-Pier 1 to Pier 2 Deck-Pier 2 to Pier 3 Erection of Falsework Deck-Pier 3 to North Abutment Dismantling of Falsework Parapet (incl. precast concrete skin) Erecting Railing (Short Column and barrier) Noise Barrier (Erecting H-Column and Panel) Road Lighting Surfacing Inspection and Handover of Bridge 12A 																										
Construction of Bridge LB2							<ul style="list-style-type: none"> Construction of Bridge LB2 (incl. VO29 & 37: revised piling details and pile caps sleeving details) 																										
Preparatory and Enabling Works							<ul style="list-style-type: none"> Gas main Diversion at East Abutment (No Connection) Temporary Traffic Arrangement for Piling Work 																										
Substructure and Pier Construction							<ul style="list-style-type: none"> Excavation and lateral support Coring and backfill for Piling works Piling-TW4 (20) 																										

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014		
							Q1				Q2				Q3				Q4				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
							1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
S26AN122	Construction of Structure W68		100%	75	26-Aug-11 A	24-Nov-11 A	Construction of Structure W68																										
S26AN123	Backfilling		100%	54	01-Jun-12 A	16-Jul-12 A	Backfilling																										
Retaining Wall W69 on Mini-Piles (AD 3)																																	
S26AN142	Prepare Piling Platform for W69		100%	24	21-Sep-10 A	10-Oct-10 A	Prepare Piling Platform for W69																										
S26AN144	Pre-drilling for W69		100%	24	10-Sep-10 A	10-Oct-10 A	Pre-drilling for W69																										
S26AN146	Pipe Pile for W69		100%	77	20-Oct-10 A	24-Dec-10 A	Pipe Pile for W69																										
S26AN147	Pipe Pile for W69 - Stage 1 (south)		100%	38	20-Oct-10 A	19-Nov-10 A	Pipe Pile for W69 - Stage 1 (south)																										
S26AN148	Pipe Pile for W69 - Stage 2 (north)		100%	26	20-Nov-10 A	19-Dec-10 A	Pipe Pile for W69 - Stage 2 (north)																										
S26AN149	Excavate and Tension Piles W69		100%	110	26-Mar-11 A	11-Aug-11 A	Excavate and Tension Piles W69																										
S26AN150	Excavation and Installation of Tension Piles - Stage 1 (south)		100%	55	26-Mar-11 A	04-Jun-11 A	Excavation and Installation of Tension Piles - Stage 1 (south)																										
S26AN151	Excavation and Installation of Tension Piles - Stage 2 (north)		100%	55	13-Jun-11 A	16-Aug-11 A	Excavation and Installation of Tension Piles - Stage 2 (north)																										
S26AN152	Retaining Wall & Drainage W69		100%	120	26-Aug-11 A	19-Jan-12 A	Retaining Wall & Drainage W69																										
S26AN153	Construction of Structure W69		100%	75	26-Aug-11 A	24-Nov-11 A	Construction of Structure W69																										
S26AN154	Drainage		100%	40	06-Feb-12 A	15-Mar-13 A	Drainage																										
S26AN155	Backfilling		100%	75	01-Jun-12 A	16-Jul-12 A	Backfilling																										
Retaining Wall W70																																	
S26AN170	Sheet Pile/Excavate & Construct W70 (w/SP)		100%	165	03-Dec-10 A	15-Mar-13 A	Sheet Pile/Excavate & Construct W70 (w/SP)																										
S26AN171	Sheet Pile and Excavation		100%	18	03-Dec-10 A	14-Dec-10 A	Sheet Pile and Excavation																										
S26AN172	Construction of Structure W70 (w/SP)		100%	75	18-Jul-11 A	15-Oct-11 A	Construction of Structure W70 (w/SP)																										
S26AN173	Drainage & Backfilling		100%	54	18-Feb-13 A	28-Jun-13 A	Drainage & Backfilling																										
S26AN174	Backfilling behind W68 to W70 and drainage works		100%	60	18-Mar-13 A	25-Nov-13 A	Backfilling behind W68 to W70 and drainage works																										
S26AN184	Erect Scaffolding & Soil Nail Installation		100%	35	04-Oct-13 A	25-Nov-13 A	Erect Scaffolding & Soil Nail Installation																										
Retaining Wall W72A(w/SP)																																	
S26AN190	Sheet Pile/Excavate & Construct W72A (w/SP)		100%	92	30-Oct-10 A	21-Nov-11 A	Sheet Pile/Excavate & Construct W72A (w/SP)																										
S26AN191	Sheet Pile and Excavation		100%	34	30-Oct-10 A	31-Jan-11 A	Sheet Pile and Excavation																										
S26AN192	Construction of Structure W72A (w/SP)		100%	46	03-Jan-11 A	24-Mar-11 A	Construction of Structure W72A (w/SP)																										
S26AN193	Drainage & Backfilling		100%	68	01-Jun-11 A	21-Nov-11 A	Drainage & Backfilling																										
Road Re-Construction Works, Roadworks & Drainage																																	
S26AN430	Slip Road R (From W72A to W73) Stage 1 (incl. VO 36: Slip Road R & Drainage detail.)		100%	15	30-Jan-12 A	25-Jul-12 A	Slip Road R (From W72A to W73) Stage 1 (incl. VO 36: Slip Road R & Drainage detail.)																										
S26AN431	Slip Road R (From W70 to B18A) Stage 1.1 formation		100%	15	26-May-12 A	13-Jun-12 A	Slip Road R (From W70 to B18A) Stage 1.1 formation																										
S26AN432	Slip Road R (From W70 to B18A) Stage 1.1 Drainage & utilities		100%	15	14-Jun-12 A	03-Jul-12 A	Slip Road R (From W70 to B18A) Stage 1.1 Drainage & utilities																										
S26AN433	Slip Road R (From W70 to B18A) Stage 1.1 pavement & roadworks		100%	15	04-Jul-12 A	26-Jul-12 A	Slip Road R (From W70 to B18A) Stage 1.1 pavement & roadworks																										
S26AN435	Slip Road R (From W70 to B18A) Stage 2		100%	93	18-May-12 A	14-Sep-13 A	Slip Road R (From W70 to B18A) Stage 2																										
S26AN436	Slip Road R (From W70 to B18A) Stage 2, formation (Remaining)		100%	30	18-May-12 A	06-Aug-13 A	Slip Road R (From W70 to B18A) Stage 2, formation (Remaining)																										
S26AN437	Slip Road R (From W70 to B18A) Stage 2, Drainage & utilities (Remaining)		100%	30	27-Jun-12 A	14-Sep-13 A	Slip Road R (From W70 to B18A) Stage 2, Drainage & utilities (Remaining)																										
S26AN438	Slip Road R (From W70 to B18A) Stage 2, pavement & roadworks (Remaining)		100%	50	14-Jul-12 A	14-Sep-13 A	Slip Road R (From W70 to B18A) Stage 2, pavement & roadworks (Remaining)																										
S26AN447	Construction Slip Road J (Under Bridge 15A)	-13	50%	45	27-Aug-13 A	25-Feb-14	Construction Slip Road J (Under Bridge 15A)																										
S26AN448	Construction Slip Road Q (At W65C)	-13	50%	45	27-Dec-13 A	25-Feb-14	Construction Slip Road Q (At W65C)																										
S26AN451	Road and Drainage Works (CH 3720 - 4550)		100%	168	24-Jun-13 A	20-Dec-13 A	Road and Drainage Works (CH 3720 - 4550)																										
S26AN452	Removal of existing central barrier and forming temporary road (CH3720-4100)		100%	12	24-Jun-13 A	20-Jul-13 A	Removal of existing central barrier and forming temporary road (CH3720-4100)																										
S26AN4525	TTA - Stage 4B-2		100%	0		21-Jul-13 A	TTA - Stage 4B-2																										
S26AN453	Road and Drainage Works for Slow and Mid Lane (CH3720 - 3850)	-13	60%	20	08-Jul-13 A	07-Feb-14	Road and Drainage Works for Slow and Mid Lane (CH3720 - 3850)																										
S26AN454	Road Surface Works for Slow and Mid Lane (CH3720 - 3850)	-6	60%	10	26-Oct-13 A	12-Feb-14	Road Surface Works for Slow and Mid Lane (CH3720 - 3850)																										
S26AN455	Removal of existing central barrier (CH4100-4550)		100%	8	26-Jul-13 A	09-Aug-13 A	Removal of existing central barrier (CH4100-4550)																										
S26AN456	Road Works for Fast and Mid Lane (CH3850 - CH4550)		100%	20	10-Aug-13 A	25-Nov-13 A	Road Works for Fast and Mid Lane (CH3850 - CH4550)																										
S26AN457	Road Surface Works for Fast and Mid Lane (CH3850 - 4550)		100%	10	27-Aug-13 A	25-Nov-13 A	Road Surface Works for Fast and Mid Lane (CH3850 - 4550)																										
S26AN458	Road Works for Fast Lane (CH3720 - 3850)		100%	20	26-Oct-13 A	25-Nov-13 A	Road Works for Fast Lane (CH3720 - 3850)																										
S26AN459	Road Surface Works for Fast Lane (CH3720 - 3850)		100%	10	26-Oct-13 A	25-Nov-13 A	Road Surface Works for Fast Lane (CH3720 - 3850)																										

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014											
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3													
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
S28N0000	Site Clearance/Access Rd		100%	239	26-Feb-10 A	19-Feb-11 A	Site Clearance/Access Rd																																			
S28N0010	Site Clearance (ch 4830-5250)		100%	75	26-Feb-10 A	05-Jun-10 A	Site Clearance (ch 4830-5250)																																			
S28N0020	Site Clearance (ch 5250-5700)		100%	75	17-Apr-10 A	23-Jul-10 A	Site Clearance (ch 5250-5700)																																			
S28N0110	Access Rd (ch 4830-5250)		100%	75	30-Jun-10 A	04-Oct-10 A	Access Rd (ch 4830-5250)																																			
S28N0120	Access Rd (ch 5250-5700)		100%	75	09-Sep-10 A	19-Feb-11 A	Access Rd (ch 5250-5700)																																			
Slopeworks																																										
S28N5000	Slopeworks Fill S44		100%	36	28-Dec-11 A	11-Feb-12 A	Slopeworks Fill S44																																			
S28N5010	Slopeworks Fill S45	-21	0%	40	27-Jan-14	17-Mar-14	Slopeworks Fill S45																																			
Construction of Retaining Wall																																										
Retaining Wall W72B (CSD 1)																																										
S28N2010	Prepare Piling Platform for W72B		100%	13	14-Sep-10 A	29-Sep-10 A	Prepare Piling Platform for W72B																																			
S28N2020	Pre-drilling for W72B		100%	13	14-Sep-10 A	29-Sep-10 A	Pre-drilling for W72B																																			
S28N2040	Piling works		100%	24	01-Mar-11 A	21-Mar-11 A	Piling works																																			
S28N2050	Capping/Walling for W72B		100%	50	26-May-11 A	25-Jul-11 A	Capping/Walling for W72B																																			
S28N2051	Pile Cap for W72B		100%	30	26-May-11 A	09-Jun-11 A	Pile Cap for W72B																																			
S28N2052	Walling for W72B		100%	75	21-Jun-11 A	17-Sep-11 A	Walling for W72B																																			
S28N2060	Backfilling		100%	68	26-Sep-11 A	15-Dec-11 A	Backfilling																																			
Retaining Wall W73 (CSD 1)																																										
S28N2071	Excavation & ELS		100%	24	14-Sep-10 A	13-Oct-10 A	Excavation & ELS																																			
S28N2072	W73 wall Structure (7 bays)		100%	45	01-Mar-11 A	20-Apr-11 A	W73 wall Structure (7 bays)																																			
S28N2073	Base Slab W73		100%	24	01-Mar-11 A	28-Mar-11 A	Base Slab W73																																			
S28N2074	Wall Stem & W73		100%	24	25-Mar-11 A	20-Apr-11 A	Wall Stem & W73																																			
S28N2080	Backfill		100%	75	09-Jul-11 A	24-Dec-11 A	Backfill																																			
Retaining Wall for Accom. Underpass Extn. (CSD 1)																																										
S28N230	Pre-drilling for Accommodation Underpass Extension		100%	30	30-Jun-10 A	04-Aug-10 A	Pre-drilling for Accommodation Underpass Extension																																			
S28N240	Prepare Piling Platform for Accom. Underpass Extn		100%	30	30-Jun-10 A	04-Aug-10 A	Prepare Piling Platform for Accom. Underpass Extn																																			
S28N250	Piling works		100%	45	01-Mar-11 A	25-Mar-11 A	Piling works																																			
S28N260	Capping/Walling (incl. VO71: Details of typical section for slip road R verge at AUE wall)		100%	54	26-Mar-11 A	03-Jun-11 A	Capping/Walling (incl. VO71: Details of typical section for slip road R verge at AUE wall)																																			
S28N270	Capping (AUE)		100%	45	26-Mar-11 A	25-May-11 A	Capping (AUE)																																			
S28N280	Walling (AUE)		100%	55	26-May-11 A	30-Jul-11 A	Walling (AUE)																																			
S28N290	Backfilling		100%	62	26-Sep-11 A	17-Dec-11 A	Backfilling																																			
Retaining Wall W74																																										
S28N2105	Liasion with location resident for slip road diversion		100%	75	26-Feb-10 A	05-Jun-10 A	Liasion with location resident for slip road diversion																																			
S28N2115	Utilities Diversion		100%	60	07-Jun-10 A	17-Aug-10 A	Utilities Diversion																																			
S28N2120	Temporary road and pedestrian diversion		100%	60	18-Aug-10 A	29-Oct-10 A	Temporary road and pedestrian diversion																																			
S28N2125	Pre-drilling for Piles		100%	15	21-Oct-10 A	19-Nov-10 A	Pre-drilling for Piles																																			
S28N2130	Confirmation of Founding Level		100%	19	26-Mar-11 A	18-Apr-11 A	Confirmation of Founding Level																																			
S28N2134	Falsework removal beteew NLK deck P7 -P8		100%	26	07-Jan-13 A	01-Feb-13 A	Falsework removal beteew NLK deck P7 -P8																																			
S28N2135	Piling work for W74 (Stage 1: Bay1 - 3)		100%	75	21-Feb-13 A	22-Apr-13 A	Piling work for W74 (Stage 1: Bay1 - 3)																																			
S28N2140	Temporary Work for Excavation (Stage 1: Bay1 - 3)		100%	20	27-Jun-12 A	31-Jul-12 A	Temporary Work for Excavation (Stage 1: Bay1 - 3)																																			
S28N2145	Excavation and Tie Back to Formation Level (Stage 1: Bay1 - 3)		100%	18	18-Jul-12 A	31-Jul-12 A	Excavation and Tie Back to Formation Level (Stage 1: Bay1 - 3)																																			
S28N2150	Pile Head Trimming and bearing plate (Stage 1: Bay1 - 3)		100%	14	27-May-13 A	11-Jun-13 A	Pile Head Trimming and bearing plate (Stage 1: Bay1 - 3)																																			
S28N2155	Retaining Wall Construction (Stage 1: Bay1 - 3)		100%	45	11-Jun-13 A	07-Oct-13 A	Retaining Wall Construction (Stage 1: Bay1 - 3)																																			
S28N2156	Base Slab (W74) (Bay 1 - 3)		100%	30	25-May-13 A	27-Jul-13 A	Base Slab (W74) (Bay 1 - 3)																																			
S28N2158	Wall Stem (W74) (Bay 1 - 3)		100%	30	23-Jul-13 A	07-Oct-13 A	Wall Stem (W74) (Bay 1 - 3)																																			
S28N2160	Retaining Wall Construction (Stage 2: Bay 4 - 9)	-18	91.34%	202	23-Apr-13 A	19-Feb-14	Retaining Wall Construction (Stage 2: Bay 4 - 9)																																			
S28N2161	Falsework removal bewteen NLK deck P8 - P9		100%	26	23-Apr-13 A	20-Jul-13 A	Falsework removal bewteen NLK deck P8 - P9																																			
S28N2162	Piling work for W74 (Stage 2: Bay 4 - 9)		100%	50	24-Jun-13 A	22-Oct-13 A	Piling work for W74 (Stage 2: Bay 4 - 9)																																			

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014					
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3							
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6
S28N2164	Temporary Work for Excavation (Stage 2: Bay 4 - 9)		100%	18	27-Jun-12 A	17-Jul-12 A	□ Temporary Work for Excavation (Stage 2: Bay 4 - 9)																													
S28N2165	Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9)		100%	19	18-Jul-12 A	31-Jul-12 A	□ Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9)																													
S28N2167	Base Slab (W74) (Bay 4 - 9)		100%	25	07-Sep-13 A	25-Jan-14 A	□ Base Slab (W74) (Bay 4 - 9)																													
S28N2168	Wall Stem (W74) (Bay 4 - 9)		100%	30	05-Oct-13 A	25-Jan-14 A	□ Wall Stem (W74) (Bay 4 - 9)																													
S28N2190	Backfilling	-18	30%	25	12-Oct-13 A	19-Feb-14	□ Backfilling																													
Noise Barrier NB43 (AD5)																																				
S28N2500	Utilities Diversion		100%	127	01-Jun-10 A	10-Feb-11 A	□ Utilities Diversion																													
S28N2510	Temporary Noise Barrier Installation		100%	46	16-Nov-10 A	26-Dec-10 A	□ Temporary Noise Barrier Installation																													
S28N2520	Noise Barrier Construction Stage 1 (Bay 1 - 3)		100%	72	03-Feb-12 A	14-Aug-12 A	□ Noise Barrier Construction Stage 1 (Bay 1 - 3)																													
S28N2525	Noise Barrier Construction Stage 2 (Bay 4 - 9)		100%	75	09-Jan-13 A	18-Jun-13 A	□ Noise Barrier Construction Stage 2 (Bay 4 - 9)																													
S28N2526	Noise Barrier Construction Stage 3 remaining (Bay 4 - 7) Wall		100%	30	28-Oct-13 A	09-Jan-14 A	□ Noise Barrier Construction Stage 3 remaining (Bay 4 - 7) Wall																													
S28N2530	Erection of Steel Post & Panel (Bay 1 - 3)		100%	75	29-Dec-12 A	31-Jan-13 A	□ Erection of Steel Post & Panel (Bay 1 - 3)																													
S28N2531	Erection of Steel Post & Panel (Bay 4 - 9)		100%	10	20-Jan-14 A	25-Jan-14 A	□ Erection of Steel Post & Panel (Bay 4 - 9)																													
Road Re-Construction Works, Roadworks, Drainage & Utilities																																				
S28N3890	VO 25: Construction of Cross road Ducts & traffic signal Drawpits at proposed crossing point of tai Wo Service Road West		100%	10	27-Apr-11 A	12-Sep-12 A	□ VO 25: Construction of Cross road Ducts & traffic signal Drawpits at proposed crossing point of tai Wo Service Road West																													
S28N3900	CLP & Gasmain Diversion, Tear Drop/Slip Road T (incl. VO 19: Protection for existing HKCG HP600mm Gasmain at Slip Road T)		100%	75	15-Oct-11 A	12-Jun-12 A	□ CLP & Gasmain Diversion, Tear Drop/Slip Road T (incl. VO 19: Protection for existing HKCG HP600mm Gasmain at Slip Road T)																													
S28N3902	DN400 landfill gasmain at NB41-stage 1		100%	25	21-Nov-12 A	28-Nov-12 A	□ DN400 landfill gasmain at NB41-stage 1																													
S28N3904	DN400 landfill gasmain at NB41-stage 2		100%	25	17-Dec-12 A	02-Mar-13 A	□ DN400 landfill gasmain at NB41-stage 2																													
S28N3906	New Joint Box construction for CLP 132kV		100%	50	24-Dec-12 A	14-May-13 A	□ New Joint Box construction for CLP 132kV																													
S28N3910	Watermain, traffic light, road drains & gully, Tear Drop/Slip Road T (incl. VO52)		100%	75	15-Aug-11 A	11-Mar-13 A	□ Watermain, traffic light, road drains & gully, Tear Drop/Slip Road T (incl. VO52)																													
S28N3920	COD: TTA Case 50 Stage 1 & 2 (Epron ordered: 16-12-11, expected delivery date: 23-1-13, actual delivery date: 12-3-12)		100%	24	16-Dec-11 A	21-Apr-12 A	□ COD: TTA Case 50 Stage 1 & 2 (Epron ordered: 16-12-11, expected delivery date: 23-1-13, actual delivery date: 12-3-12)																													
S28N3970	Pavement at Tear Drop Area, Slip Road T & Traffic diversion		100%	30	18-May-12 A	11-Mar-13 A	□ Pavement at Tear Drop Area, Slip Road T & Traffic diversion																													
S28N4002	Roadworks, Drainages & Utilities, TWSRW Road from NB41-bay 6 to NB42-bay12 (incl. VO42 & VO43)		100%	150	18-May-12 A	23-Mar-13 A	□ Roadworks, Drainages & Utilities, TWSRW Road from NB41-bay 6 to NB42-bay12 (incl. VO42 & VO43)																													
S28N4004	Drainage, Utilities & Removal of existing paving (incl. TTA & VO 77 Provision of cable duct for power supply)		100%	75	18-May-12 A	11-Mar-13 A	□ Drainage, Utilities & Removal of existing paving (incl. TTA & VO 77 Provision of cable duct for power supply)																													
S28N4006	Road surfacing, Tai Wo Service Road West from NB41-bay 6 to NB42-bay12 (incl. VO 81 maintenance access for NB41 & NB42)		100%	60	22-Jan-13 A	23-Mar-13 A	□ Road surfacing, Tai Wo Service Road West from NB41-bay 6 to NB42-bay12 (incl. VO 81 maintenance access for NB41 & NB42)																													
S28N4010	Roadworks to NKL Flyover and Ramps		100%	175	30-Jan-13 A	16-Aug-13 A	□ Roadworks to NKL Flyover and Ramps																													
S28N4012	Roadworks to NKL Flyover and Ramp - South Ramp to SA		100%	50	30-Jan-13 A	24-Jul-13 A	□ Roadworks to NKL Flyover and Ramp - South Ramp to SA																													
S28N4014	Roadworks to NKL Flyover and Ramp - North Ramp to NA		100%	20	13-Jun-13 A	22-Aug-13 A	□ Roadworks to NKL Flyover and Ramp - North Ramp to NA																													
S28N4020	Road Marking of New Lam Kam Bridge and Final Diversion of South Bound Traffic from NLK Bridge to Modified Lam Kam Bridge		100%	10	23-Jul-13 A	16-Aug-13 A	□ Road Marking of New Lam Kam Bridge and Final Diversion of South Bound Traffic from NLK Bridge to Modified Lam Kam Bridge																													
S28N4024	Road and Drainage Works (along W74 and NB38)	-18	5%	20	08-Jan-14 A	13-Mar-14	□ Road and Drainage Works (along W74 and NB38)																													
S28N4030	300d, 1200d watermain (chA9.00-ch182.00) & Firemains	-14	95.03%	362	06-Aug-10 A	19-Feb-14	□ 300d, 1200d watermain (chA9.00-ch182.00) & Firemains																													
S28N4040	Cable Detection and Trial Pit Excavation		100%	72	06-Aug-10 A	19-Sep-10 A	□ Cable Detection and Trial Pit Excavation																													
S28N4050	Sheet Pile & ELS		100%	72	20-Sep-10 A	15-Feb-11 A	□ Sheet Pile & ELS																													
S28N4060	TBM Boring and Installation of Sleeve Pipe		100%	60	16-Feb-11 A	23-Mar-11 A	□ TBM Boring and Installation of Sleeve Pipe																													
S28N4070	Water Pipe installation - inside the sleeve pipe (ch0.00-ch70.00)		100%	50	24-Mar-11 A	28-Jul-11 A	□ Water Pipe installation - inside the sleeve pipe (ch0.00-ch70.00)																													
S28N4080	Water Pipe installation (DN1200 chA9.00-0 & DN300 CHA7.3 - 0)		100%	75	19-May-12 A	19-Nov-12 A	□ Water Pipe installation (DN1200 chA9.00-0 & DN300 CHA7.3 - 0)																													
S28N4090	Water Pipe installation (DN1200 CH70-165 & CH210-530 approx)		100%	75	28-Dec-11 A	02-Mar-13 A	□ Water Pipe installation (DN1200 CH70-165 & CH210-530 approx)																													
S28N4202	Water Pipe installation (DN1200 CH185 -210 cross road)		100%	75	28-Nov-12 A	02-Mar-13 A	□ Water Pipe installation (DN1200 CH185 -210 cross road)																													
S28N4220	Water Pipe installation (DN300 CH70 -166)		100%	75	21-Jan-13 A	09-Apr-13 A	□ Water Pipe installation (DN300 CH70 -166)																													
S28N4230	Water Pipe installation (DN300 CH166 -247)		100%	75	04-Jun-12 A	09-Apr-13 A	□ Water Pipe installation (DN300 CH166 -247)																													
S28N4240	Water Pipe installation (DN300 CHBB5 - 49)		100%	75	15-Feb-13 A	09-Apr-13 A	□ Water Pipe installation (DN300 CHBB5 - 49)																													

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014											
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3													
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
S28S0020	Access Rd		100%	75	27-Jul-10 A	01-Feb-11 A	Access Rd																																			
Roadworks, Drainage & Utilities																																										
S28S4010	Roadworks, Drainages & Utilities (CH4820 - Ch5700)(incl. VO20: Revised Fire mains alignment plan)	6	97.25%	454	11-May-12 A	13-Feb-14	Roadworks,																																			
S28S4012	Removal of existing paving - Stage 1 (CH5300 - 5700 & Slip Road W)		100%	75	11-May-12 A	08-Jun-13 A	Removal of existing paving - S																																			
S28S4016	Utilities - Stage 1		100%	75	11-May-12 A	08-Feb-13 A	Utilities - Stage 1																																			
S28S4020	Road and Drainages Works - Stage 1 (incl.VO 75 Modification of existing SAV Chamber)		100%	75	11-May-12 A	25-Jun-13 A	Road and Drainages Works																																			
S28S4021	Road Surface and Roadmark - Stage 1 (Slow Lane)		100%	30	18-Mar-13 A	18-Jul-13 A	Road Surface and Roadma																																			
S28S4025	Removal of existing paving - Stage 2 (CH5300 - 5700 & Slip Road W)		100%	30	19-Jul-13 A	02-Aug-13 A	Removal of existing paving																																			
S28S4027	Utilities - Stage 2 (CH5300 - 5700) (incl. VO 77 Provision of cable duct for power supply)		100%	30	03-Aug-13 A	12-Aug-13 A	Utilities - Stage 2 (CH530																																			
S28S4029	Road and Drainages Works - Stage 2		100%	30	03-Aug-13 A	12-Aug-13 A	Road and Drainages Wor																																			
S28S4031	Road Surface and Roadmark - Stage 2 (Fast Lane)	6	85%	30	13-Aug-13 A	04-Feb-14	Road Surface																																			
S28S4085	Remaining Road Works at Slip Road W	6	80%	40	27-Aug-13 A	13-Feb-14	Remaining R																																			
Noise Barriers 44 & Road Barriers																																										
Noise Barrier NB44																																										
S28S2000	Excavation for NB44		100%	219	25-Aug-10 A	24-May-11 A	Excavation for NB44																																			
S28S2010	Excavation for NB44 (Bay1 & Bay2)		100%	44	25-Aug-10 A	18-Oct-10 A	Excavation for NB44 (Bay1 & Bay2)																																			
S28S2020	Excavation for NB44 (Bay3 & Bay4)		100%	44	19-Oct-10 A	08-Dec-10 A	Excavation for NB44 (Bay3 & Bay4)																																			
S28S2030	Excavation for NB44 (Bay5 & Bay6)		100%	44	26-Apr-11 A	26-May-11 A	Excavation for NB44 (Bay5 & Bay6)																																			
S28S2040	Excavation for NB44 (Bay7 & Bay8)		100%	36	26-Aug-11 A	10-Oct-11 A	Excavation for NB44 (Bay7 & Bay8)																																			
S28S2050	Excavation for NB44 (Bay9 & Bay10)		100%	43	14-Oct-11 A	03-Dec-11 A	Excavation for NB44 (Bay9 & Bay10)																																			
S28S2060	Noise Barrier Footing Construction for NB44 (incl. VO 46: Modification of Noise Barrier Footing for NB44)		100%	282	26-Mar-11 A	20-Dec-11 A	Noise Barrier Footing Construction for NB44 (incl. VO 46: Modificatio																																			
S28S2070	Noise Barrier Footing Construction for NB44 (Bay 1)		100%	32	26-Mar-11 A	15-Apr-11 A	Noise Barrier Footing Construction for NB44 (Bay 1)																																			
S28S2080	Noise Barrier Footing Construction for NB44 (Bay 2)		100%	32	06-Apr-11 A	21-Apr-11 A	Noise Barrier Footing Construction for NB44 (Bay 2)																																			
S28S2090	Noise Barrier Footing Construction for NB44 (Bay 3)		100%	32	26-May-11 A	04-Jun-11 A	Noise Barrier Footing Construction for NB44 (Bay 3)																																			
S28S2100	Noise Barrier Footing Construction for NB44 (Bay 4)		100%	30	26-Apr-11 A	26-May-11 A	Noise Barrier Footing Construction for NB44 (Bay 4)																																			
S28S2110	Noise Barrier Footing Construction for NB44 (Bay 5)		100%	24	26-Sep-11 A	25-Oct-11 A	Noise Barrier Footing Construction for NB44 (Bay 5)																																			
S28S2120	Noise Barrier Footing Construction for NB44 (Bay 6)		100%	24	26-Oct-11 A	22-Nov-11 A	Noise Barrier Footing Construction for NB44 (Bay 6)																																			
S28S2130	Noise Barrier Footing Construction for NB44 (Bay 7)		100%	24	23-Nov-11 A	20-Dec-11 A	Noise Barrier Footing Construction for NB44 (Bay 7)																																			
S28S2140	Noise Barrier Footing Construction for NB44 (Bay 8)		100%	24	23-Nov-11 A	20-Dec-11 A	Noise Barrier Footing Construction for NB44 (Bay 8)																																			
S28S2150	Noise Barrier Footing Construction for NB44 (Bay 9)		100%	23	23-Nov-11 A	20-Dec-11 A	Noise Barrier Footing Construction for NB44 (Bay 9)																																			
S28S2160	Noise Barrier Footing Construction for NB44 (Bay 10)		100%	18	23-Nov-11 A	20-Dec-11 A	Noise Barrier Footing Construction for NB44 (Bay 10)																																			
S28S2170	Remaining NB44 installation of panel		100%	7	27-Aug-13 A	26-Sep-13 A	Remaining NB44 insta																																			
Traffic Control & Survelance System																																										
S28S4800	TCSS	-5	81.5%	130	28-Feb-13 A	26-Feb-14	TCSS																																			
S28S4810	TCSS - Stage 1 (ch4820 - ch5520)	-5	80%	24	28-Feb-13 A	04-Feb-14	TCSS - Stag																																			
S28S4850	TCSS - Stage 5 (ch5520 - ch5640), (Gantry G56) (incl. VO73 Revised Sign Gantry Details)	-5	20%	24	27-Nov-13 A	26-Feb-14	TCSS- Sta																																			
Modification of Existing Bridge																																										
S28S1200	Modification of Lam Kam Rd. Flyover	-21	79.23%	119	26-Aug-13 A	27-Feb-14	Modification																																			
S28S1240	Diversion for modification kerb and road reconstruction (N/B)	-21	95%	43	26-Aug-13 A	29-Jan-14	Diversion for																																			
S28S1250	Removal central barrier and road construction	-21	85%	40	26-Sep-13 A	08-Feb-14	Removal cer																																			
S28S1260	Diversion for modification kerb and road reconstruction (S/B)	-21	45%	30	02-Dec-13 A	27-Feb-14	Diversion fo																																			
Road Construction and Road Resurfacing																																										
S28S4960	Road Construction and Resurfacing S/B for SA28	6	85%	60	26-Sep-13 A	14-Feb-14	Road Const																																			
Site Area SA29																																										
PHSA2920	Possession of SA29 (Day270)		100%	0	27-Jul-10 A		◇ Possession of SA29 (Day270)																																			

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014		
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3				
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
SA290000	Site Area SA29 Works Period (incl. VO002 & VO0011: Fencing details along site boundaries SA 29)	148	99.63%	946	27-Jul-10 A	30-Jan-14																											
SA290010	Site Area SA29 Works Completion	148	0%	0		30-Jan-14																											
SA290020	Temporary Traffic Arrangement (Detail shall refer to supplementary information)	118	99.54%	764	27-Jul-10 A	30-Jan-14																											
SA290030	Overall Utilities Diversion (Detail shall refer to supplementary information)	118	99.54%	764	27-Jul-10 A	30-Jan-14																											
North Bound																																	
Preliminaries																																	
S29N0000	Site Clearance/Access Rd		100%	60	26-Jan-11 A	09-Apr-11 A																											
Roadworks, Drainage & Utilities																																	
S29N4010	Roadworks, Realignment of Tai Wo Service Rd. West (NB42)		100%	58	13-Apr-12 A	21-Jan-13 A																											
S29N4020	Roadworks, Realignment of Tai Wo Service Rd. West (exclude NB42)		100%	38	15-Jan-13 A	28-Mar-13 A																											
S29N4100	Gravity Sewer Line (4 sections) (incl. VO 8 & VO 35: Revised layout of Southern Trunk Sewer & Manhole Schedule)		100%	111	03-Jan-11 A	15-Dec-12 A																											
S29N4110	Gravity Sewer Line - Stage 1 (STS10.30-80)		100%	60	03-Jan-11 A	31-Mar-12 A																											
S29N4120	Gravity Sewer Line - Stage 2 (STS10.10-30)		100%	60	01-Apr-11 A	30-Jul-11 A																											
S29N4130	Gravity Sewer Line - Stage 2 (STS10.80-105)		100%	63	28-May-11 A	15-Dec-12 A																											
Noise Barriers & Road Barriers																																	
Noise Barrier NB42 on Mini-Piles (AD)																																	
S29N2000	WSD/DSD/HKCG/PCCW/HGC/CATV/NWT/HKBN/TGT/CLP Diversion		100%	72	11-Apr-11 A	11-Jul-11 A																											
S29N2020	Footing for NB42 (Bay1 - Bay9) (incl. VO 7: Construction of modified noise barrier foundation for NB42)		100%	110	06-Dec-10 A	05-Jul-11 A																											
S29N2030	Footing for NB42 (Bay1 - Bay5)		100%	60	06-Dec-10 A	05-Jul-11 A																											
S29N2040	Footing for NB42 (Bay6 - Bay9)		100%	50	06-Dec-10 A	05-Jul-11 A																											
S29N3000	Construct Noise Barrier & Beam Barrier (incl. VO 23. Provision of Drainage at Noise Barrier 42)		100%	60	26-Sep-11 A	01-Aug-12 A																											
Landscaping																																	
S29N6000	Landscaping Works (Near NB43)		100%	50	27-Jun-13 A	26-Sep-13 A																											
Site Area SA32																																	
PHSA3210	Possession of SA32 (Day365)		100%	0	25-Feb-11 A																												
SA320000	Site Area SA32 Works Period		100%	265	26-Feb-11 A	17-Nov-11 A																											
SA320010	Site Area SA32 Works Completion	-46	0%	0		07-Apr-14																											
General																																	
S32G0000	Site Clearance/TTM		100%	72	26-Mar-11 A	25-Jun-11 A																											
S32G4005	Application XP for Construct Roadside Fully Variable Message Sign	-38	90%	60	11-Mar-13 A	05-Feb-14																											
S32G4015	Construct Roadside Fully Variable Message Sign (RFVMS3)(include duct, footing and column)	-38	15%	30	26-Sep-13 A	07-Mar-14																											
S32G4025	Construct Roadside Fully Variable Message Sign (RFVMS2)(include duct, footing and column)	-38	15%	30	26-Sep-13 A	07-Mar-14																											
S32G4035	Construct Roadside Fully Variable Message Sign (RFVMS1)(include duct, footing and column)	-38	15%	30	26-Sep-13 A	07-Apr-14																											
S32G4045	Construct Roadside Fully Variable Message Sign (TP04)(include duct, footing and column)	-38	15%	30	26-Sep-13 A	07-Apr-14																											
S32G4060	VO 13: Relocation of existing Directional Signs in the Vicinity of Lam Kam Road Interchange		100%	10	27-Apr-11 A	11-Sep-12 A																											
Construction of New Lam Kam Road																																	
Substructure and Pier Construction																																	
South Ramp																																	
S28N1213	Temporary Work for Excavation		100%	15	27-Jul-12 A	13-Aug-12 A																											
S28N1214	Excavation		100%	20	23-Jul-12 A	08-Aug-12 A																											
S28N1215	Construction of South Ramp (incl. VO72: revised North & South Ramps Retaining Wall)		100%	145	23-Jul-12 A	26-Jan-13 A																											
S28N1216	Base Slab		100%	60	23-Jul-12 A	19-Oct-12 A																											
S28N1217	Wing Wall		100%	75	24-Sep-12 A	31-Dec-12 A																											
S28N1227	Backfilling to South Ramp		100%	40	28-Dec-12 A	25-Jan-13 A																											

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014																				
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3																						
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5
Pier NLKP1							<ul style="list-style-type: none"> <input type="checkbox"/> Gas Main Diversion <input type="checkbox"/> Piling (16shp) <input type="checkbox"/> Cap and Pier (incl. VO29: revised piling details) <input type="checkbox"/> Pile Cap <input type="checkbox"/> Pier 																																												
S28N1200	Gas Main Diversion		100%	45	28-Dec-11 A	28-Jan-12 A																																													
S28N1232	Piling (16shp)		100%	50	13-Apr-12 A	25-Aug-12 A																																													
S28N1234	Cap and Pier (incl. VO29: revised piling details)		100%	70	03-Oct-12 A	26-Nov-12 A																																													
S28N1236	Pile Cap		100%	25	03-Oct-12 A	11-Oct-12 A																																													
S28N1238	Pier		100%	45	15-Oct-12 A	26-Nov-12 A																																													
South Abutment							<ul style="list-style-type: none"> <input type="checkbox"/> Gas Main Diversion <input type="checkbox"/> Piling Work (24shp) <input type="checkbox"/> Cap and Abutment (incl. VO29: revised piling details) <input type="checkbox"/> Pile Cap <input type="checkbox"/> Abutment <input type="checkbox"/> Backfilling to South Abutment 																																												
S28N1220	Gas Main Diversion		100%	24	28-Dec-11 A	30-Jan-12 A																																													
S28N1230	Piling Work (24shp)		100%	60	15-Feb-12 A	28-Jul-12 A																																													
S28N1240	Cap and Abutment (incl. VO29: revised piling details)		100%	115	15-Oct-12 A	25-Jan-13 A																																													
S28N1250	Pile Cap		100%	40	15-Oct-12 A	10-Nov-12 A																																													
S28N1260	Abutment		100%	50	12-Nov-12 A	15-Dec-12 A																																													
S28N1270	Backfilling to South Abutment		100%	40	28-Dec-12 A	25-Jan-13 A																																													
Pier NLKP2							<ul style="list-style-type: none"> <input type="checkbox"/> Piling Work (28shp) <input type="checkbox"/> Pile Cap Construction (incl. VO29: revised piling details) <input type="checkbox"/> Pier Construction 																																												
S28N1254	Piling Work (28shp)		100%	57	20-Sep-10 A	11-Nov-10 A																																													
S28N1259	Pile Cap Construction (incl. VO29: revised piling details)		100%	46	06-Dec-10 A	10-Feb-11 A																																													
S28N1261	Pier Construction		100%	36	11-Feb-11 A	18-Jul-11 A																																													
Pier NLKP3							<ul style="list-style-type: none"> <input type="checkbox"/> Pre-drilling for Piles <input type="checkbox"/> Confirmation of Founding Level <input type="checkbox"/> Piling Work (24shp) <input type="checkbox"/> Temporary Shoring System <input type="checkbox"/> Excavation to Formation Level <input type="checkbox"/> Pile Head Trimming and bearing plate <input type="checkbox"/> Pile Cap Construction (incl. VO29: revised piling details) <input type="checkbox"/> Backfilling <input type="checkbox"/> Pier Construction 																																												
S28N1271	Pre-drilling for Piles		100%	11	11-Sep-10 A	24-Sep-10 A																																													
S28N1272	Confirmation of Founding Level		100%	21	12-Sep-10 A	15-Oct-10 A																																													
S28N1273	Piling Work (24shp)		100%	68	20-Sep-10 A	16-Nov-10 A																																													
S28N1274	Temporary Shoring System		100%	31	17-Nov-10 A	03-Dec-10 A																																													
S28N1275	Excavation to Formation Level		100%	10	06-Dec-10 A	18-Dec-10 A																																													
S28N1276	Pile Head Trimming and bearing plate		100%	11	20-Dec-10 A	24-Dec-10 A																																													
S28N1277	Pile Cap Construction (incl. VO29: revised piling details)		100%	24	20-Dec-10 A	05-Jan-11 A																																													
S28N1278	Backfilling		100%	30	26-Feb-11 A	01-Apr-11 A																																													
S28N1279	Pier Construction		100%	61	02-Apr-11 A	11-Jun-11 A																																													
Pier NLKP4							<ul style="list-style-type: none"> <input type="checkbox"/> Gas main Diversion <input type="checkbox"/> Pre-drilling for Piles <input type="checkbox"/> Confirmation of Founding Level <input type="checkbox"/> Piling Work (16shp) <input type="checkbox"/> Temporary Shoring System <input type="checkbox"/> Excavation to Formation Level <input type="checkbox"/> Pile Head Trimming and bearing plate <input type="checkbox"/> Pile Cap Construction (incl. VO29: revised piling details) <input type="checkbox"/> Backfilling <input type="checkbox"/> Pier Construction 																																												
S28N1281	Gas main Diversion		100%	120	13-May-10 A	31-Jul-10 A																																													
S28N1282	Pre-drilling for Piles		100%	9	01-Aug-10 A	14-Aug-10 A																																													
S28N1283	Confirmation of Founding Level		100%	22	16-Aug-10 A	31-Aug-10 A																																													
S28N1284	Piling Work (16shp)		100%	63	01-Sep-10 A	30-Sep-10 A																																													
S28N1285	Temporary Shoring System		100%	44	20-Oct-10 A	23-Oct-10 A																																													
S28N1286	Excavation to Formation Level		100%	7	25-Oct-10 A	28-Oct-10 A																																													
S28N1287	Pile Head Trimming and bearing plate		100%	14	29-Oct-10 A	06-Nov-10 A																																													
S28N1288	Pile Cap Construction (incl. VO29: revised piling details)		100%	21	08-Nov-10 A	19-Nov-10 A																																													
S28N1289	Backfilling		100%	30	20-Dec-10 A	11-Jan-11 A																																													
S28N1290	Pier Construction		100%	71	02-Feb-11 A	26-Mar-11 A																																													
Pier NLKP5							<ul style="list-style-type: none"> <input type="checkbox"/> Gas main Diversion <input type="checkbox"/> Pre-drilling for Piles <input type="checkbox"/> Confirmation of Founding Level <input type="checkbox"/> Piling Work (16shp) (incl. VO001: Revised Layout of Piles at New Lam Kam Road Flyover Pier NLKP5) <input type="checkbox"/> Temporary Shoring System <input type="checkbox"/> Excavation to Formation Level <input type="checkbox"/> Pile Head Trimming and bearing plate <input type="checkbox"/> Pile Cap Construction (incl. VO29: revised piling details) 																																												
S28N1301	Gas main Diversion		100%	120	13-May-10 A	31-Aug-10 A																																													
S28N1302	Pre-drilling for Piles		100%	7	01-Sep-10 A	11-Sep-10 A																																													
S28N1303	Confirmation of Founding Level		100%	14	13-Sep-10 A	25-Sep-10 A																																													
S28N1304	Piling Work (16shp) (incl. VO001: Revised Layout of Piles at New Lam Kam Road Flyover Pier NLKP5)		100%	62	26-Sep-10 A	19-Oct-10 A																																													
S28N1305	Temporary Shoring System		100%	44	20-Oct-10 A	05-Nov-10 A																																													
S28N1306	Excavation to Formation Level		100%	7	08-Nov-10 A	12-Nov-10 A																																													
S28N1307	Pile Head Trimming and bearing plate		100%	14	15-Nov-10 A	27-Nov-10 A																																													
S28N1308	Pile Cap Construction (incl. VO29: revised piling details)		100%	21	29-Nov-10 A	11-Dec-10 A																																													

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010				2011				2012				2013				2014			
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8
S28N1309	Backfilling		100%	30	13-Dec-10 A	18-Dec-10 A																				
S28N1310	Pier Construction		100%	74	28-Dec-10 A	28-Mar-11 A																				
Pier NLKP6																										
S28N1321	Gas main Diversion		100%	150	13-May-10 A	10-Nov-10 A																				
S28N1322	Pre-drilling for Piles		100%	14	21-Jul-10 A	23-Feb-11 A																				
S28N1323	Confirmation of Founding Level		100%	14	21-Jul-10 A	25-Feb-11 A																				
S28N1324	Piling Work (23shp)		100%	75	28-Feb-11 A	28-Mar-11 A																				
S28N1325	Temporary Shoring System		100%	44	26-May-11 A	18-Jul-11 A																				
S28N1326	Excavation to Formation Level		100%	7	05-May-11 A	23-Jun-11 A																				
S28N1327	Pile Head Trimming and bearing plate		100%	14	29-Jun-11 A	05-Jul-11 A																				
S28N1328	Pile Cap Construction (incl. VO29: revised piling details)		100%	23	28-Jul-11 A	24-Aug-11 A																				
S28N1329	Backfilling		100%	28	26-Sep-11 A	29-Oct-11 A																				
S28N1330	Pier Construction		100%	71	28-Sep-11 A	12-Nov-11 A																				
Pier NLKP7																										
S28N1341	Realignment of Existing slip road		100%	45	19-May-10 A	13-Jul-10 A																				
S28N1342	Existing Water main Diversion		100%	45	14-Jul-10 A	03-Sep-10 A																				
S28N1343	Pre-drilling for Piles		100%	7	04-Sep-10 A	18-Sep-10 A																				
S28N1344	Confirmation of Founding Level		100%	14	13-Sep-10 A	25-Sep-10 A																				
S28N1345	Piling Work (16shp)		100%	62	26-Jan-11 A	28-Feb-11 A																				
S28N1346	Temporary Shoring System		100%	44	08-Mar-11 A	16-Apr-11 A																				
S28N1347	Excavation to Formation Level		100%	7	08-Mar-11 A	16-Apr-11 A																				
S28N1348	Pile Head Trimming and bearing plate		100%	14	27-Apr-11 A	17-May-11 A																				
S28N1349	Pile Cap Construction (incl. VO29: revised piling details)		100%	21	19-May-11 A	31-May-11 A																				
S28N1350	Backfilling		100%	30	26-Sep-11 A	01-Nov-11 A																				
S28N1351	Pier Construction		100%	72	03-Oct-11 A	24-Dec-11 A																				
Pier NLKP8																										
S28N1361	Realignment of Existing slip road		100%	45	19-May-10 A	13-Jul-10 A																				
S28N1363	Existing Water main Diversion		100%	45	14-Jul-10 A	03-Sep-10 A																				
S28N1364	Pre-drilling for Piles		100%	18	04-Sep-10 A	25-Sep-10 A																				
S28N1365	Confirmation of Founding Level		100%	14	27-Sep-10 A	13-Oct-10 A																				
S28N1366	Piling Work (24shp)		100%	75	14-Jan-11 A	05-Feb-11 A																				
S28N1367	Temporary Shoring System		100%	44	26-Apr-11 A	25-May-11 A																				
S28N1368	Excavation to Formation Level		100%	30	26-Sep-11 A	22-Oct-11 A																				
S28N1369	Pile Head Trimming and bearing plate		100%	7	15-Oct-11 A	22-Oct-11 A																				
S28N1370	Pile Cap Construction (incl. VO29: revised piling details)		100%	24	26-Oct-11 A	02-Nov-11 A																				
S28N1371	Backfilling		100%	24	26-Nov-11 A	23-Dec-11 A																				
S28N1372	Pier Construction		100%	72	21-Dec-11 A	31-Jan-12 A																				
Pier NLKP9																										
S28N1381	Realignment of Existing slip road		100%	45	19-May-10 A	13-Jul-10 A																				
S28N1382	Existing Water main Diversion		100%	45	14-Jul-10 A	03-Sep-10 A																				
S28N1383	Pre-drilling for Piles		100%	14	04-Sep-10 A	20-Sep-10 A																				
S28N1384	Confirmation of Founding Level		100%	14	21-Sep-10 A	08-Oct-10 A																				
S28N1385	COD: Drainage (ADN 72, 86, 121, 145, 225), Fire Services Mains (DAN 202) and related UU works)		100%	75	21-Sep-10 A	21-Oct-11 A																				
S28N1386	Piling Work (24shp)		100%	75	22-Oct-11 A	19-Dec-11 A																				
S28N1387	Temporary Shoring System		100%	30	01-Feb-12 A	19-Apr-12 A																				
S28N1388	Excavation to Formation Level		100%	36	19-Apr-12 A	26-Jun-12 A																				
S28N1389	Pile Head Trimming and bearing plate		100%	12	27-Jun-12 A	11-Jul-12 A																				

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014					
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3							
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6
S41G040	Construction of Mulching Production Yard		100%	60	06-Aug-10 A	18-Oct-10 A	Construction of Mulching Production Yard																													
S41G050	Temp Warehouse, Fabrication & Equip Yard (Site allocated for period till 8 May 2012) : Expected production = 900m3	151	100%	1260	13-Sep-10 A	27-Jan-14	Temp Warehouse																													
S41G060	Mulching Production Phase 1 (45m3)		100%	63	13-Sep-10 A	09-Oct-10 A	Mulching Production Phase 1 (45m3)																													
S41G070	Mulching Production Phase 2 (45m3) (incl. VO16, VO 18)		100%	63	21-Dec-10 A	21-Feb-11 A	Mulching Production Phase 2 (45m3) (incl. VO16, VO 18)																													
S41G080	Mulching Production Phase 3 (45m3)		100%	63	20-Feb-11 A	24-Apr-11 A	Mulching Production Phase 3 (45m3)																													
S41G090	Mulching Production Phase 4 (45m3)		100%	63	24-Apr-11 A	26-Jun-11 A	Mulching Production Phase 4 (45m3)																													
S41G100	Mulching Production Phase 5 (45m3)		100%	63	27-Jun-11 A	28-Aug-11 A	Mulching Production Phase 5 (45m3)																													
S41G110	Mulching Production Phase 6 (45m3)		100%	63	29-Aug-11 A	30-Oct-11 A	Mulching Production Phase 6 (45m3)																													
S41G120	Mulching Production Phase 7 (45m3)		100%	63	31-Oct-11 A	01-Jan-12 A	Mulching Production Phase 7 (45m3)																													
S41G130	Mulching Production Phase 8 (45m3)		100%	63	02-Jan-12 A	31-Mar-12 A	Mulching Production Phase 8 (45m3)																													
S41G140	Mulching Production Phase 9 (45m3)		100%	63	02-Apr-12 A	31-Dec-12 A	Mulching Production Phase 9 (45m3)																													
S41G260	Dismantle of Mulching Production Yard	-61	0%	68	17-Jun-14	05-Sep-14																														
S41G270	Dismantle of Mulching Production Yard : Removing Mulching Office	-61	0%	48	17-Jun-14	13-Aug-14																														
S41G280	Dismantle of Mulching Production Yard : Removing Security Fence and Security Device	-61	0%	20	13-Aug-14	05-Sep-14																														
Section 8																																				
Establishment Works																																				
S21G8000	SA21 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
Section 9																																				
Establishment Works																																				
S22G8000	SA22 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
S23G8000	SA23 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
S24G8000	SA24 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
S25G8000	SA25 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
S26G8000	SA26 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
Section 10																																				
Establishment Works																																				
S26AG800	SA26A Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
S27G8000	SA27 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
Section 11																																				
Establishment Works																																				
S28G8000	SA28 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
S29G8000	SA29 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
Section 12																																				
Establishment Works																																				
S30AG800	SA30A Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
S30G8000	SA30 Establishment Works	-214	0%	365	27-Jan-14	26-Jan-15																														
Section 13																																				
Establishment Works																																				
S30AG810	Remainder of Establishment Works (Exclude Section 8 to 12)	-214	0%	365	27-Jan-14	26-Jan-15																														
Section 14																																				
Route Network Maintenance (Subject to the the Engineer's Instruction)																																				
S21G7000	Tentative Start Date for SA21 Route Maintenance Works		100%	0	17-Sep-10 A		◆ Tentative Start Date for SA21 Route Maintenance Works																													
S22G7000	Tentative Start Date for SA22 Route Maintenance Works		100%	0	26-Feb-10 A		◆ Tentative Start Date for SA22 Route Maintenance Works																													
S23G7000	Tentative Start Date for SA23 Route Maintenance Works		100%	0	25-Aug-10 A		◆ Tentative Start Date for SA23 Route Maintenance Works																													
S24G7000	Tentative Start Date for SA24 Route Maintenance Works		100%	0	25-Aug-10 A		◆ Tentative Start Date for SA24 Route Maintenance Works																													

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2010												2011				2012				2013				2014		
							Q1			Q2			Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3				
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
S25G7000	Tentative Start Date for SA25 Route Maintenance Works		100%	0	20-Oct-10 A		◆ Tentative Start Date for SA25 Route Maintenance Works																										
S26AG700	Tentative Start Date for SA26A Route Maintenance Works		100%	0	26-Feb-10 A		◆ Tentative Start Date for SA26A Route Maintenance Works																										
S26G7000	Tentative Start Date for SA26 Route Maintenance Works		100%	0	26-Feb-10 A		◆ Tentative Start Date for SA26 Route Maintenance Works																										
S27G7000	Tentative Start Date for SA27 Route Maintenance Works		100%	0	27-May-10 A		◆ Tentative Start Date for SA27 Route Maintenance Works																										
S28G7000	Tentative Start Date for SA28 Route Maintenance Works		100%	0	26-Feb-10 A		◆ Tentative Start Date for SA28 Route Maintenance Works																										
S29G7000	Tentative Start Date for SA29 Route Maintenance Works		100%	0	20-Oct-10 A		◆ Tentative Start Date for SA29 Route Maintenance Works																										
S30AG700	Tentative Start Date for SA30A Route Maintenance Works		100%	0	25-Aug-10 A		◆ Tentative Start Date for SA30A Route Maintenance Works																										
S30G7000	Tentative Start Date for SA30 Route Maintenance Works		100%	0	26-Feb-10 A		◆ Tentative Start Date for SA30 Route Maintenance Works																										
S31G7000	Tentative Start Date for SA31 Route Maintenance Works		100%	0	26-Feb-10 A		◆ Tentative Start Date for SA31 Route Maintenance Works																										
Section 17 (Subject to Excision and Instruct by Engineer within 819 days)																																	
General																																	
SC150025	Validity Period		100%	819	25-Feb-10 A	31-Aug-13 A	Validity Period																										
SC150030	Latest Date for the Engineer to Issue EI		100%	0		31-Aug-13 A	◆ Latest Date for the Engineer to Issue EI																										
Site Area SA28 & SA30																																	
PHSA2840	Possession of SA28 & SA30		100%	0	26-Feb-10 A		◆ Possession of SA28 & SA30																										
SA280005	Site Area SA28 Works Period		100%	0	24-May-12 A	31-Aug-13 A	Site Area SA28 Works Period																										
SA280020	Site Area SA28 & SA30 Works Completion		100%	0		31-Aug-13 A	◆ Site Area SA28 & SA30 Works Completion																										
All Area																																	
Preliminaries																																	
S28N1000	Site Clearance/TTM/Access Rd/Utility Diversion		100%	45	24-May-12 A	26-Sep-13 A	Site Clearance/TTM/Access Rd/Utility Diversion																										
Site Area SA30A																																	
PHSA30A5	Possession of SA30A		100%	0	27-Jul-10 A		◆ Possession of SA30A																										
SA30A005	Site Area SA30A Works Period		100%	155	23-May-12 A	31-Aug-13 A	Site Area SA30A Works Period																										
SA30A020	Site Area SA30A Works Completion		100%	0		31-Aug-13 A	◆ Site Area SA30A Works Completion																										
North Bound																																	
Preliminaries																																	
S30AN100	Site Clearance/TTM/Access Rd/Utility Diversion		100%	75	14-May-12 A	23-May-12 A	Site Clearance/TTM/Access Rd/Utility Diversion																										
Roadworks, Drainage & Utilities																																	
S30AN415	Section 17 subject to Excision Works Instruction date (Trunk Sewer Line)		100%	245	23-May-12 A	20-Sep-13 A	Section 17 subject to Excision Works Instruction date (Trunk Sewer Line)																										
S30AN420	Issuing of latest design drawing		100%	75	24-May-12 A	05-Sep-12 A	Issuing of latest design drawing																										
S30AN430	Procurement & delivery of Trunk Sewer pipe (Stage 1)		100%	75	06-Sep-12 A	17-Sep-12 A	Procurement & delivery of Trunk Sewer pipe (Stage 1)																										
S30AN440	Design clarification period		100%	60	06-Sep-12 A	31-Jul-13 A	Design clarification period																										
S30AN450	Procurement & delivery of Trunk Sewer pipe (Stage 2)		100%	75	01-Nov-12 A	31-Jul-13 A	Procurement & delivery of Trunk Sewer pipe (Stage 2)																										
S30AN460	Underground Utilities cable detection before ELS works		100%	60	17-Aug-12 A	24-Aug-12 A	Underground Utilities cable detection before ELS works																										
S30AN470	Gravity Sewer Line STS10_170 to 160 (22m Long)		100%	90	05-Dec-12 A	06-Feb-13 A	Gravity Sewer Line STS10_170 to 160 (22m Long)																										
S30AN480	M/H 170 and M/H160 construction (6m depth)		100%	75	05-Dec-12 A	23-Jan-13 A	M/H 170 and M/H160 construction (6m depth)																										
S30AN490	Pipe laying and concrete surround works		100%	60	05-Dec-12 A	07-Jan-13 A	Pipe laying and concrete surround works																										
S30AN500	Backfilling (2 Layers + Temp fill)		100%	30	08-Jan-13 A	06-Feb-13 A	Backfilling (2 Layers + Temp fill)																										
S30AN510	Gravity Sewer Line STS10_160 to 150 (40m Long)		100%	95	27-Feb-13 A	23-Sep-13 A	Gravity Sewer Line STS10_160 to 150 (40m Long)																										
S30AN520	M/H150 construction (5m depth)		100%	40	27-Feb-13 A	16-Mar-13 A	M/H150 construction (5m depth)																										
S30AN530	Pipe laying and concrete surround works (Stage 1)		100%	25	18-Mar-13 A	30-Apr-13 A	Pipe laying and concrete surround works (Stage 1)																										
S30AN540	Construction of Temporary Access for Villager		100%	8	30-Apr-13 A	10-May-13 A	Construction of Temporary Access for Villager																										
S30AN550	Pipe Laying and concrete works (Stage 2)		100%	21	13-May-13 A	14-Sep-13 A	Pipe Laying and concrete works (Stage 2)																										
S30AN560	Backfilling (15 Layers)		100%	8	27-Jul-13 A	23-Sep-13 A	Backfilling (15 Layers)																										
S30AN570	Gravity Sewer Line STS10_120 to 130 (41m Long)		100%	120	17-Sep-12 A	03-Jan-13 A	Gravity Sewer Line STS10_120 to 130 (41m Long)																										
S30AN580	M/H 120 and M/H130 construction (3.5m & 4m depth)		100%	70	24-Sep-12 A	12-Oct-12 A	M/H 120 and M/H130 construction (3.5m & 4m depth)																										
S30AN585	Pipe Laying & concrete surround works		100%	30	14-Nov-12 A	20-Nov-12 A	Pipe Laying & concrete surround works																										

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

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

Air Quality - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Feb 14	Mar 14	Apr 14
Air Quality during Construction	<ul style="list-style-type: none"> 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
	<ul style="list-style-type: none"> All stockpiles of excavated materials or spoil of more than 50m³ shall be enclosed, covered or dampened during dry or windy conditions. 		V	V	@
	<ul style="list-style-type: none"> Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas. 		V	V	@
	<ul style="list-style-type: none"> All spraying of materials and surfaces shall avoid excessive water usage. 		V	V	V
	<ul style="list-style-type: none"> 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
	<ul style="list-style-type: none"> Materials shall be dampened, if necessary, before transportation. 		V	V	V
	<ul style="list-style-type: none"> Travelling speeds shall be controlled to reduce traffic induced dust dispersion and resuspension within the site from the operating haul trucks. 		V	V	V
	<ul style="list-style-type: none"> Vehicle washing facilities shall be provided to minimize the quantity of material deposited on public roads. 		V	V	V

Noise - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Feb 14	Mar 14	Apr 14
Noise during Construction	<ul style="list-style-type: none"> Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant. 	During construction	V	V	V
	<ul style="list-style-type: none"> Reduce the number of equipment and their percentage on-time. 		V	V	V
	<ul style="list-style-type: none"> 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
	<ul style="list-style-type: none"> 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
	<ul style="list-style-type: none"> 2 m high temporary noise barrier along the northern edge of Bridge 12 at bridge level (Figure 2b of the Environmental Permit). 		In progress	In progress	In progress
	<ul style="list-style-type: none"> 2.5 m high temporary noise barrier along Tai Wo Service Road West (Figure 2c of the Environmental Permit). 		V	V	V
	<ul style="list-style-type: none"> 3.5m high temporary noise barrier along Tai Wo Services Road West near Tai Hang (Figure2c of the Environmental Permit). 		In progress	In progress	In progress

Water Quality - Schedule of Recommended Mitigation Measures

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

Waste - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Feb 14	Mar 14	Apr 14
Waste Management during Construction	General Waste	During construction			
	<ul style="list-style-type: none"> Transport of wastes off site as soon as possible. 		@	V	@
	<ul style="list-style-type: none"> Maintenance of accurate waste records 		V	V	V
	<ul style="list-style-type: none"> Minimization of waste generation for disposal (via reduction/recycling/re-use). 		V	V	V
	<ul style="list-style-type: none"> No on-site burning will be permitted. 		V	V	V
	<ul style="list-style-type: none"> Use of re-useable metal hoardings/signboards. 		V	V	V
	Vegetation from site clearance				
	<ul style="list-style-type: none"> Segregation of materials to facilitate disposal. 		V	V	V
	<ul style="list-style-type: none"> Mulching to reduce bulk and where possible review opportunities for the possible beneficial use within landscaping areas. 		V	V	V

	Demolition Wastes			
	• Segregation of materials to facilitate disposal.		V	V
	• Appropriate stockpile management.		V	V
	Excavated Materials			
	• Segregation of materials to facilitate disposal / reuse.		V	V
	• Appropriate stockpile management.		V	V
	• Re-use of excavated material on or off site (where possible).		V	V
	• Special handling and disposal procedures in the event that contaminated materials are excavated.		N/A	N/A
	Construction Wastes			
	• Segregation of materials to facilitate recycling/reuse (within designated area in appropriate containers/stockpiles).		V	V
	• Appropriate stockpile management.		V	V
	• Planning to reduce over ordering and waste generation.		V	V
	• Recycling and re-use of materials where possible (e.g. metal, wood from formwork)		V	V
	• For material which cannot be re-used/recycled, collection should be carried out by an approved waste contractor for landfill disposal.		V	V
	Bentonite Slurries			
	• Bentonite slurries should be reused as far as possible.		N/A	N/A
	• Disposal in accordance with <i>Practice Note For Professional Persons ProPECC PN 1/94</i> .		N/A	N/A
	Chemical Wastes			
	• Storage within locked, covered and bunded area.		@	V
	• The storage area shall not be located adjacent to sensitive receivers e.g. drains.		V	V
	• Minimize waste production and recycle oils/solvents where possible.		V	V
	• A spill response procedure shall be in place and absorption material available for minor spillages.		V	@
	• Use appropriate and labelled containers.		@	V
	• Educate site workers on site cleanliness/waste management procedures.		V	V
	• If chemical wastes are to be generated, the contractor must register with EPD as a Chemical Waste Producer.		V	V
	• The chemical wastes shall be collected by a licensed chemical waste collector.		V	V
	Municipal Wastes			
	• Waste shall be stored within a temporary refuse collection facility, in appropriate containers prior to collection and disposal.		V	V
	• Regular, daily collections are required by an approved waste collector.		V	V

Ecology - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Feb 14	Mar 14	Apr 14
Ecology during Construction	Accurate Delineation of Works Area	During construction			
	• Boundaries of proposed works areas shall be clearly identified and Decarated from external areas by a physical barrier to prevent encroachment of adjacent habitats.		V	V	V
	• Individual trees which fall within the works areas but which work plans show do not require removal are to be retained and fenced off to maximize protection.		V	V	V
	Vegetation Clearance				

	• No fires shall be lit within the works area for the purpose of burning cleared vegetation.	V	V	V
	• The Contractor shall give consideration to mulching the cleared vegetation for recycling within the works area / adjacent land.	V	V	V
	Dust generation			
	• Vehicle washing facilities to be provided at every discernible or designated vehicle exit point;	V	V	V
	• All temporary site access roads shall be sprayed with water to suppress dust as necessary;	V	V	V
	• All dusty materials should be sprayed with water immediately prior to any handling; and	V	V	V
	• All debris should be covered entirely by impervious sheeting or stored in a sheltered debris collection area.	V	V	V
	Surface Run-off			
	• Bund and cover stock piles to avoid run-off;	V	V	V
	• Channel any run-off through a system of oil, grease and sediment / silt traps and reuse water on site where ever practical;	V	V	V
	• All vehicle maintenance to be undertaken within a bunded area; and	N/A	N/A	N/A
	• Maximize vegetation retention on-site to maximize absorption (minimize transport).	V	V	V

Landscape and Visual Impact - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Feb 14	Mar 14	Apr 14
Landscape and Visual during Construction	Preservation of Existing Vegetation	During construction			
	• Trees identified for retention within the project limit would be protected during the works		@	@	V
	• The tree transplanting and planting works shall be implemented by approved Landscape Contractors		V	V	V
	Temporary Works Areas				
	• Where feasible the works areas would be screened using hoarding and existing vegetation would be retained where possible to reduce the landscape and visual impacts arising from the construction activity. The landscape of these works areas would be restored following the completion of the construction phase.		V	V	V
	Hoarding				
	• A hoarding would be erected where practicable in the most visually sensitive locations to screen the temporary construction works from the local VSR's.		V	V	V
	Top Soils				
	• The works will result in disturbance to extensive areas of topsoil. Topsoil worthy of retention should be stockpiled for use following completion of the civil engineering works. It should either be temporarily vegetated with hydroseeded grass or turned over on a regular basis.		N/A	N/A	N/A
	Protection of Important Landscape Features				
• Important features such as temples, Island House and kilns within the study area, although remote from the proposed works retained and adequately protected.	V	V	V		

Legend: V = implemented;
x = not implemented;
@ = partially implemented;
N/A = not applicable – No such work was undertaken or no such material was used on site.

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

Appendix D - Summary of Action and Limit Levels

Table 1 – Action and Limit Levels for 1-hour TSP

Location	Action Level	Limit Level
AM1A	302.1 $\mu\text{g}/\text{m}^3$	500 $\mu\text{g}/\text{m}^3$
AM2	301.9 $\mu\text{g}/\text{m}^3$	500 $\mu\text{g}/\text{m}^3$
AM3	301.9 $\mu\text{g}/\text{m}^3$	500 $\mu\text{g}/\text{m}^3$
AM4A	302.3 $\mu\text{g}/\text{m}^3$	500 $\mu\text{g}/\text{m}^3$

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

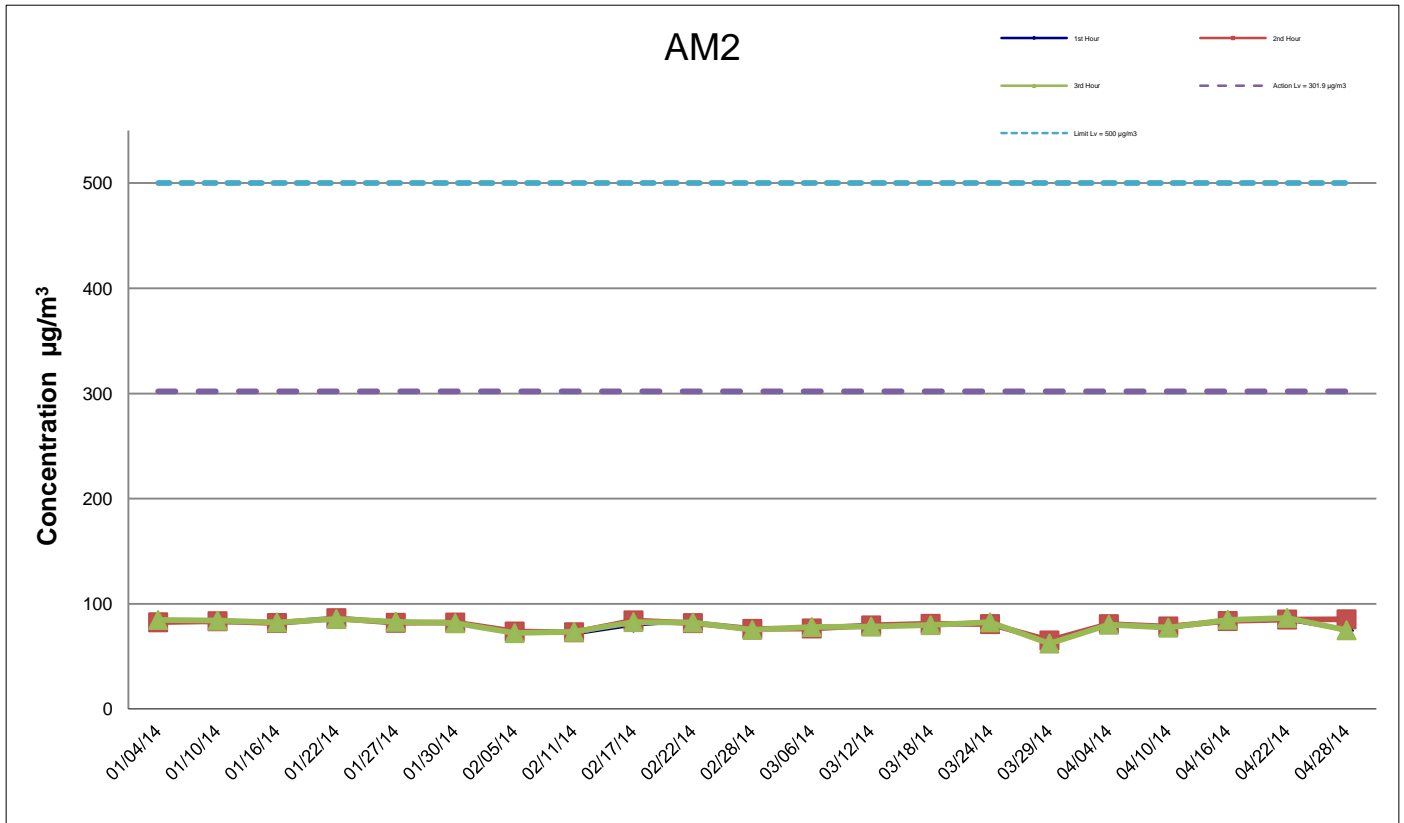
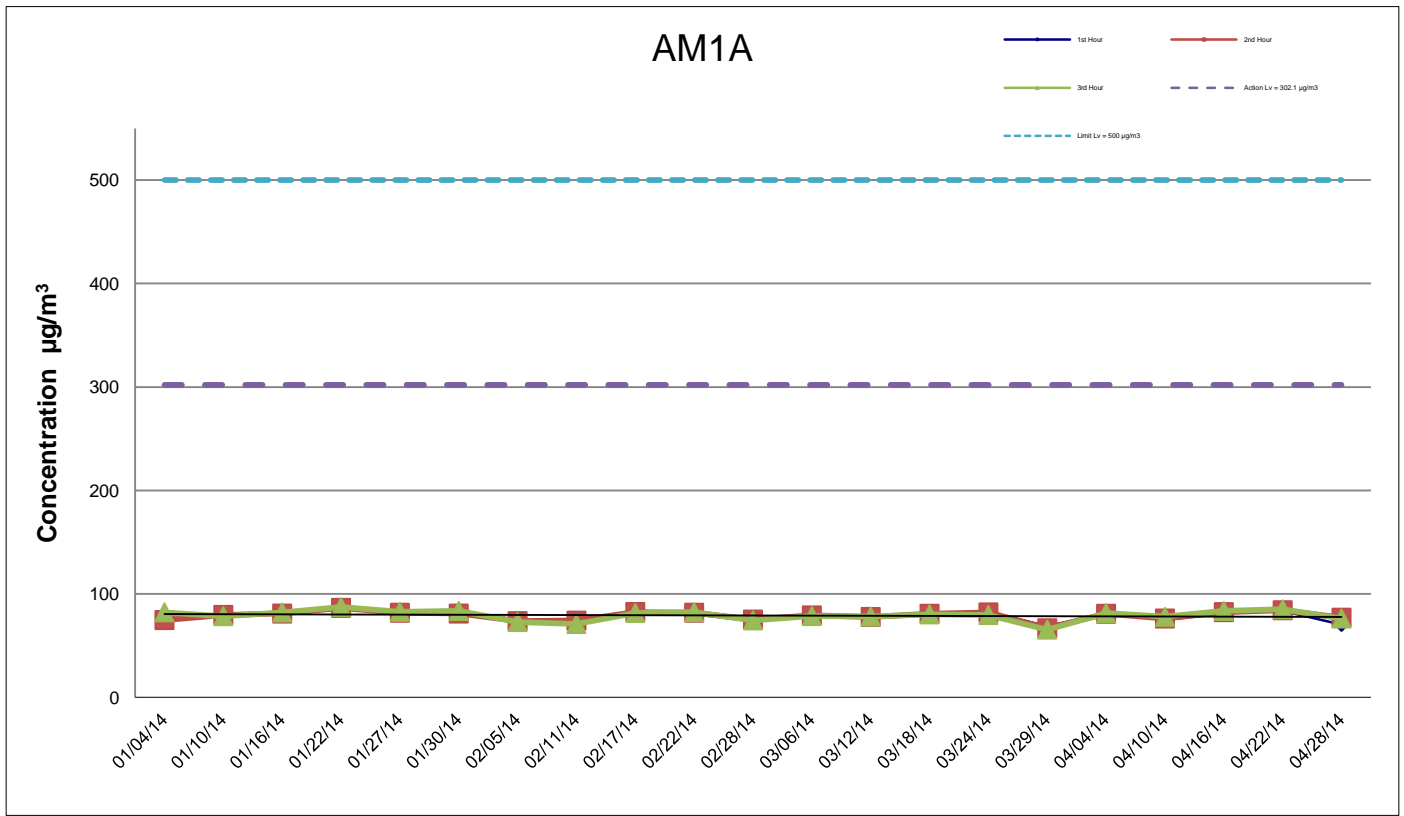
Location	Action Level	Limit Level
AM1A	176.6 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$
AM2	178.6 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$
AM3	193.1 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$
AM4A	198.5 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$

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

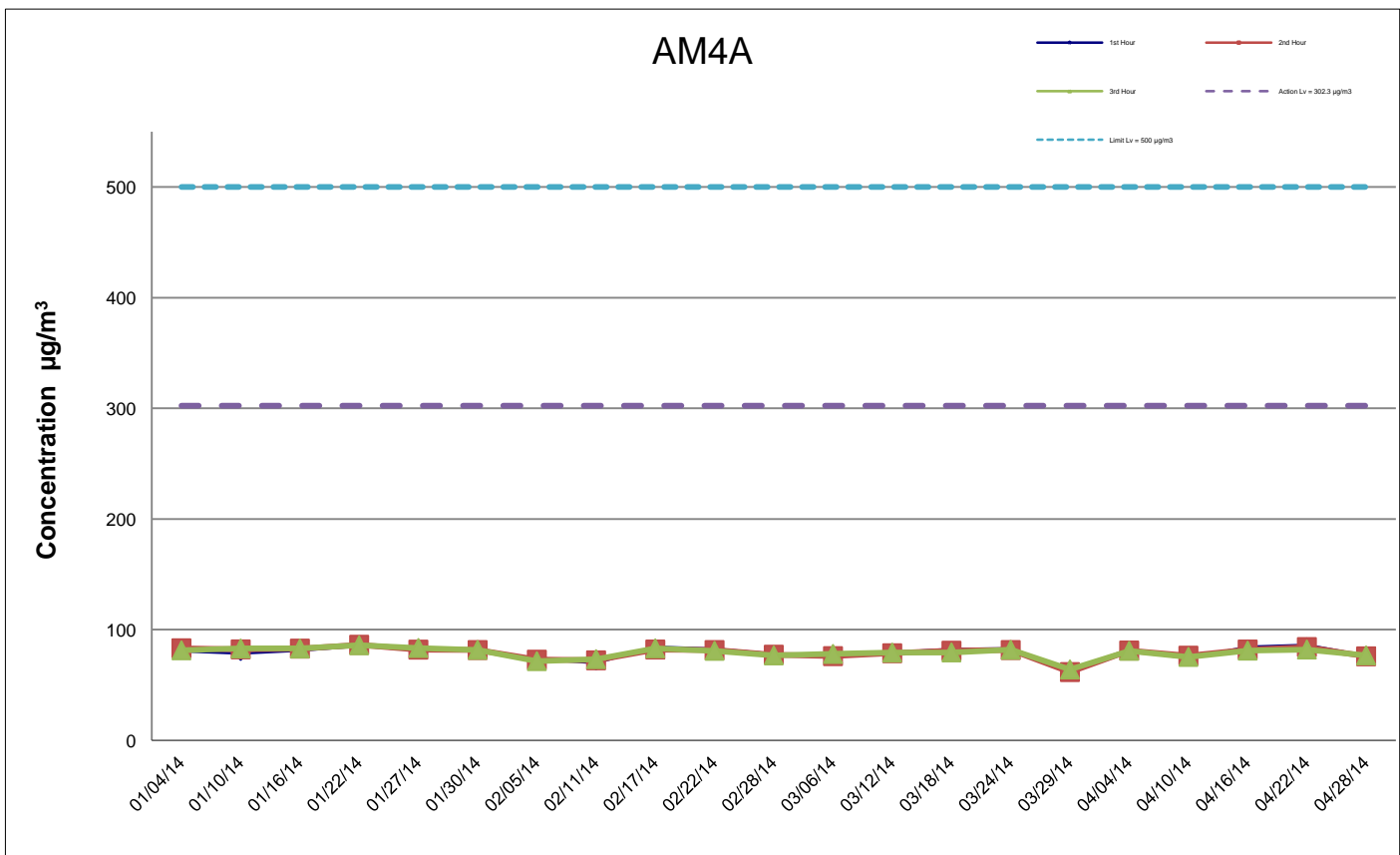
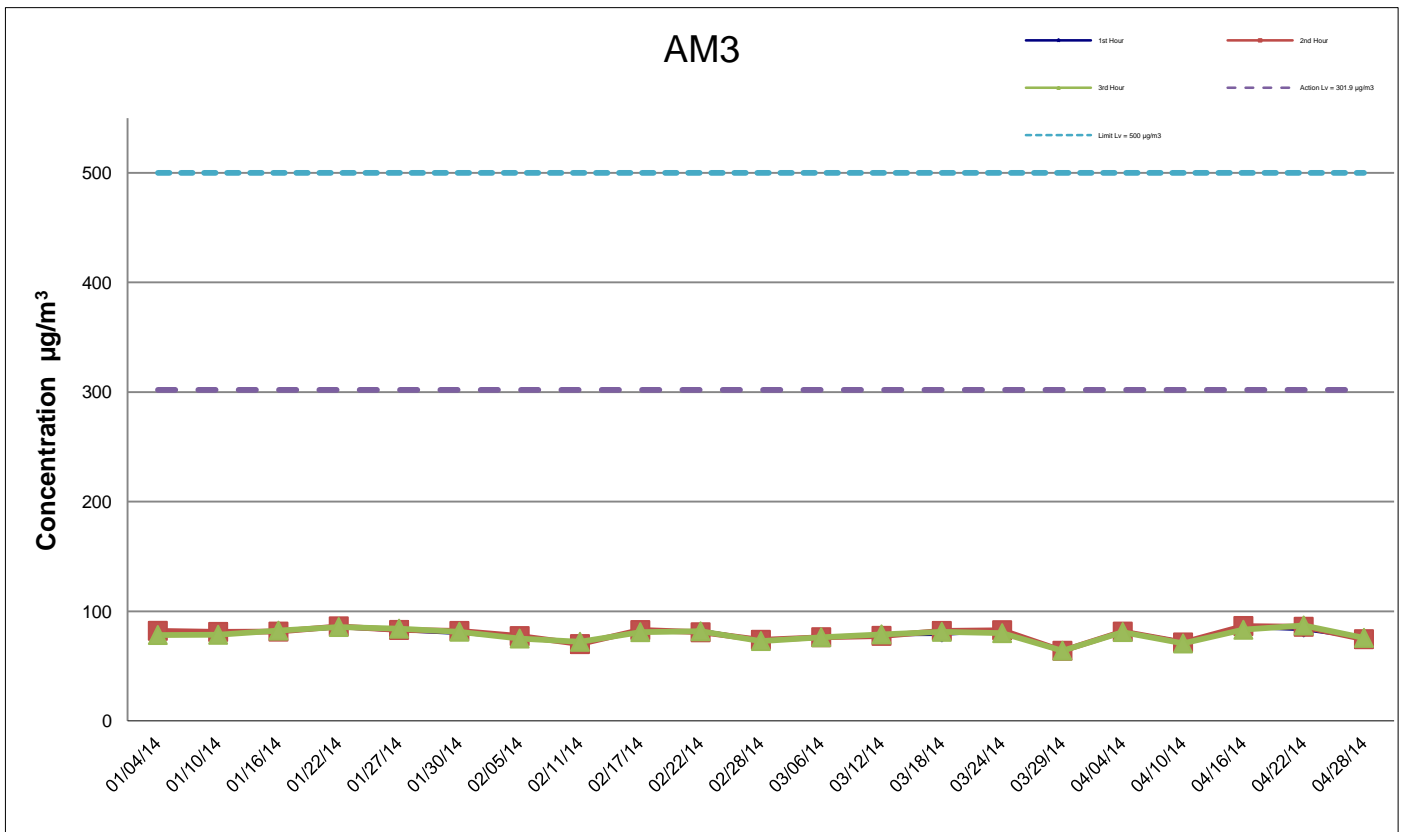
Location	Action Level	Limit Level
NM1A	When one documented complaint, related to 0700 – 1900 hours on normal weekdays, is received from any one of the sensitive receivers	75 dB(A)
NM2		75 dB(A)
NM3		65/70 dB(A)*
NM4		75 dB(A)
NM5		75 dB(A)
NM6		65/70 dB(A)*
NM7		75 dB(A)

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

**APPENDIX E
GRAPHICAL PRESENTATION OF IMPACT
AIR QUALITY MONITORING RESULTS**

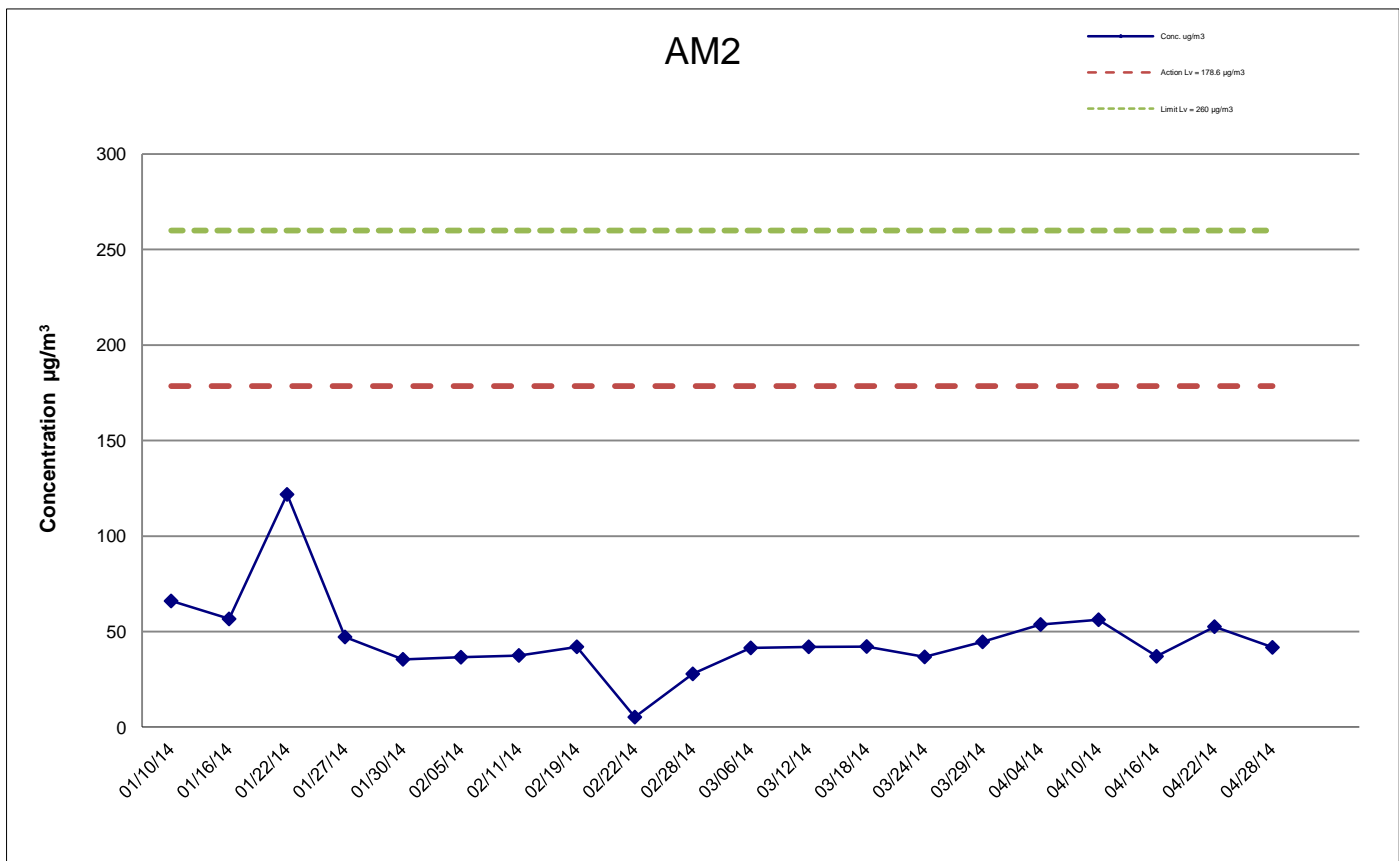
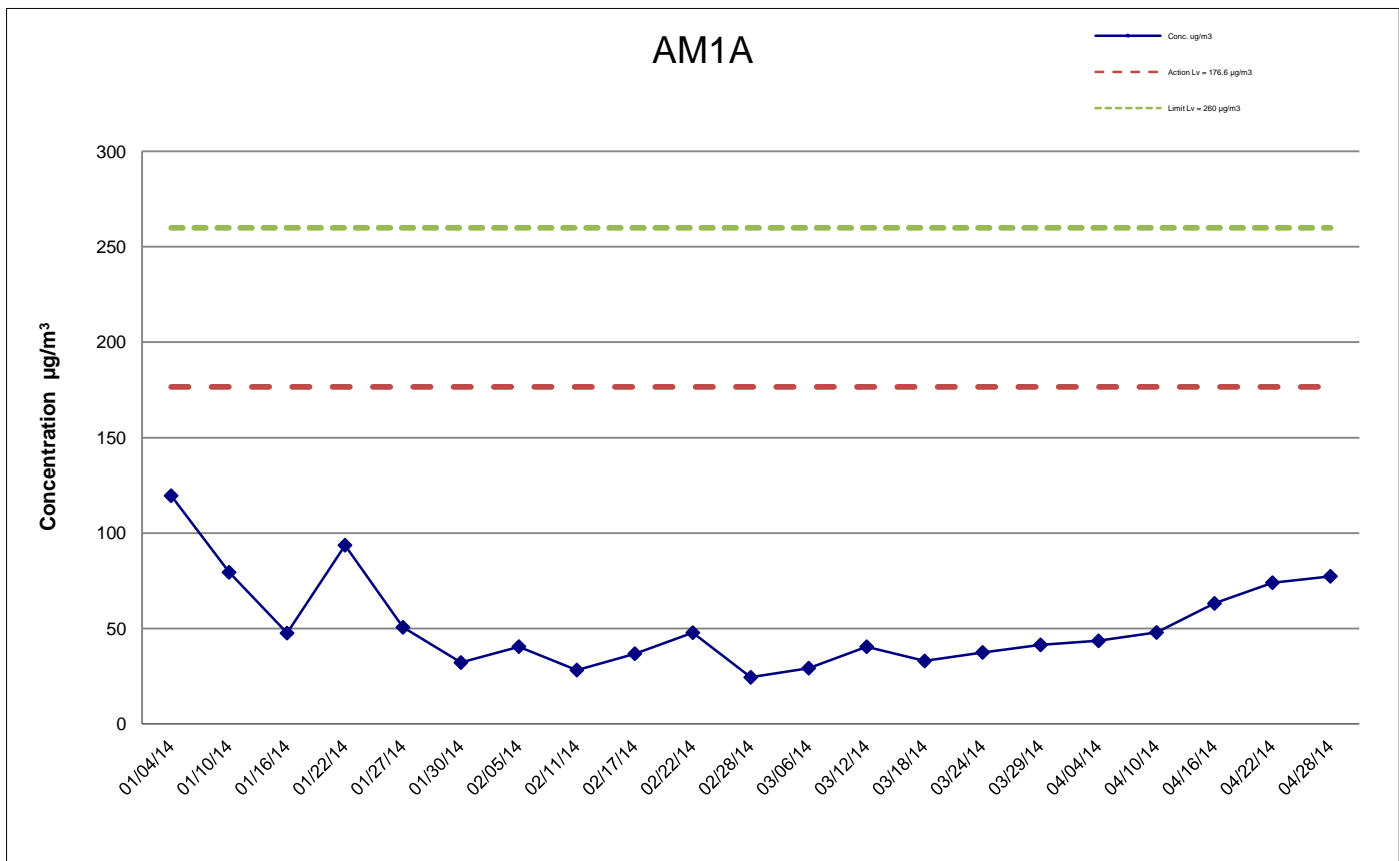


AECOM	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	May-14
	Graphical Presentation of Impact 1-hour TSP Monitoring Results	CHECK	ENFL	DRAWN	JCYK
		JOB NO.	60102979	APPENDIX No.	G
					-

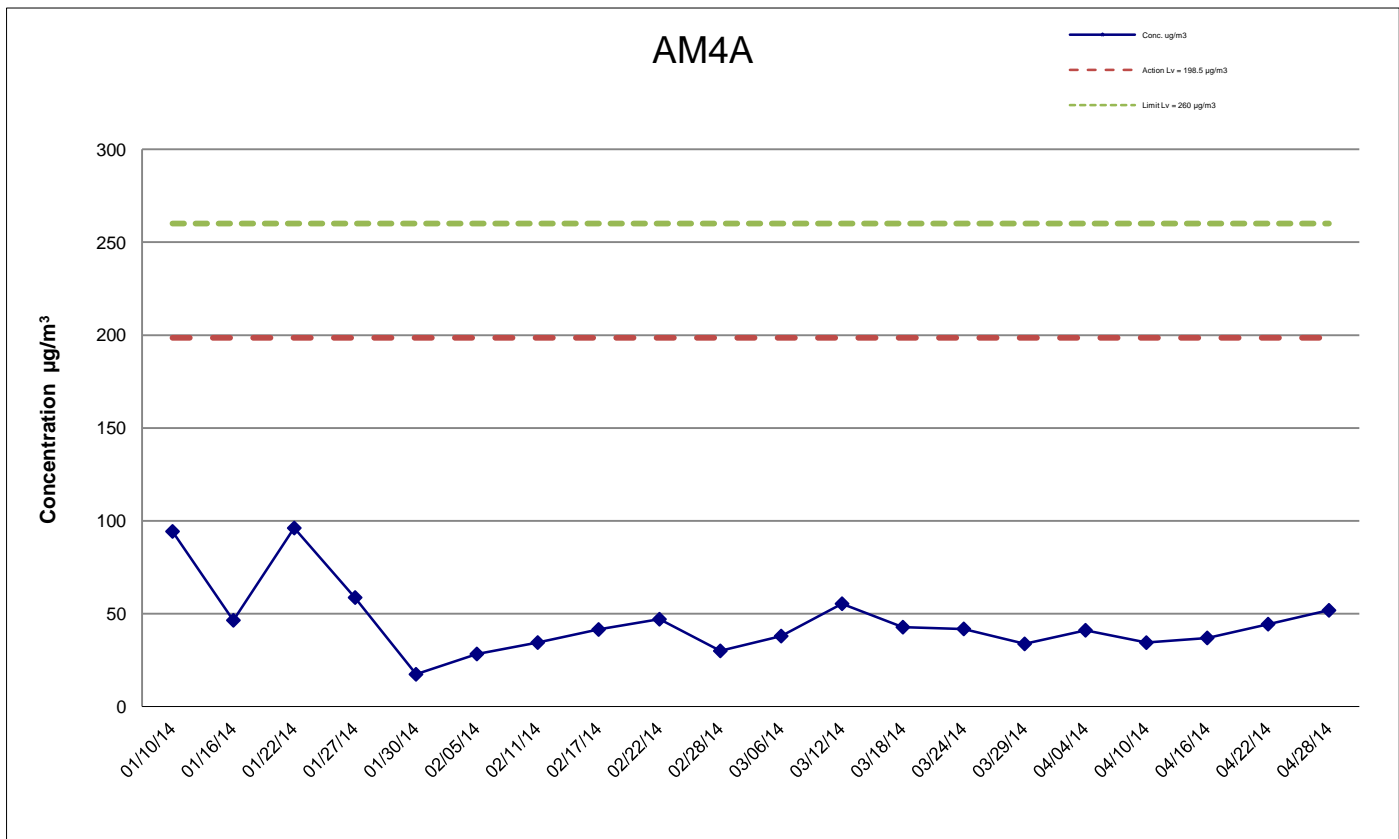
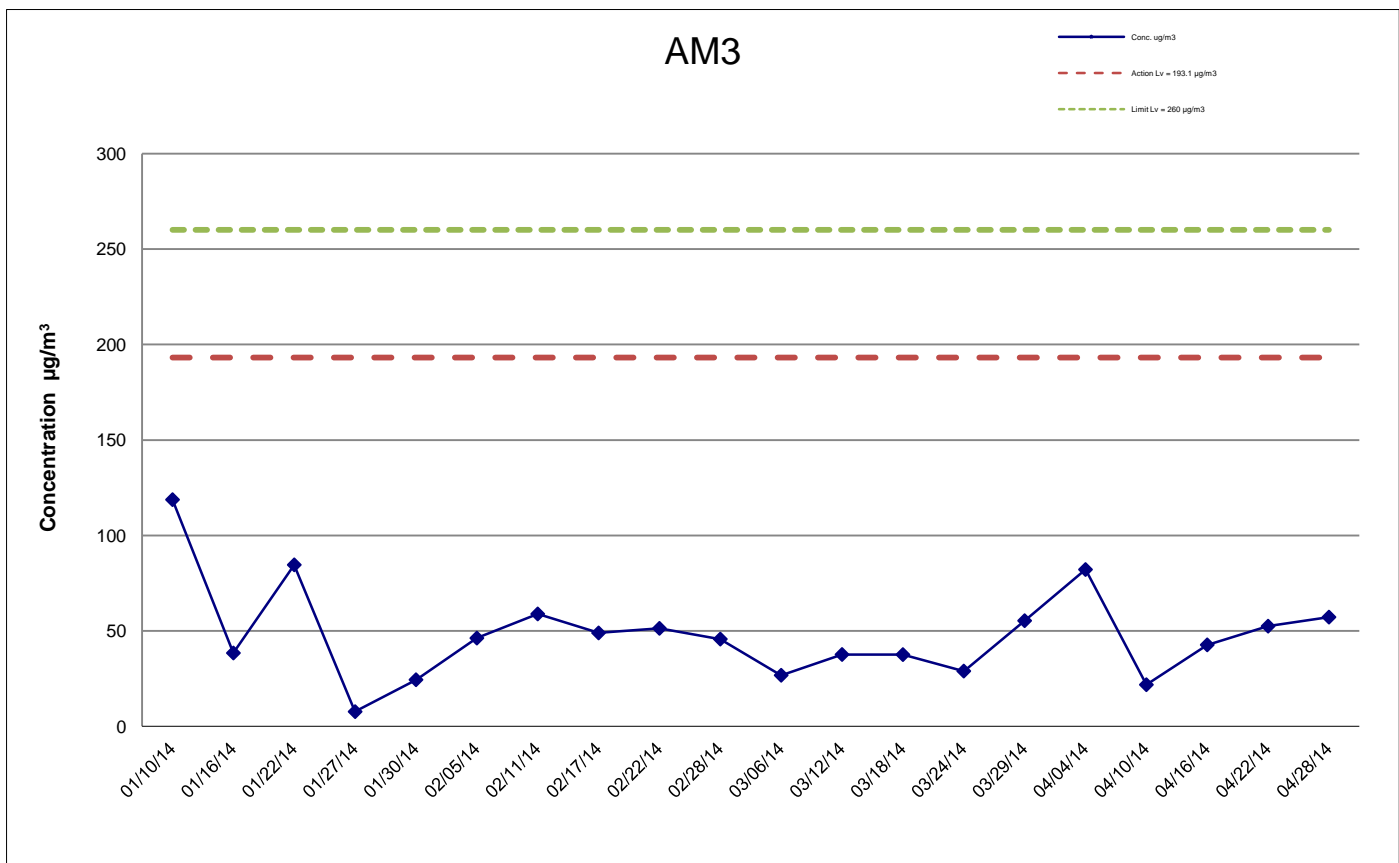


Remark: The monitoring station at Tai Kwong Secondary School (AM4) was relocated to 168 Shek Kwu Lung Village (AM4A) starting from 1 September 2011 due to the mentioned school was closed down.

AECOM	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	May-14
	Graphical Presentation of Impact 1-hour TSP Monitoring Results	CHECK	ENFL	DRAWN	JCYK
		JOB NO.	60102979	APPENDIX No. G	



	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	Apr-14
		CHECK	ENFL	DRAWN	JCYK
	Graphical Presentation of Impact 24-hour TSP Monitoring Results	JOB NO.	60102979	APPENDIX No. G	Rev. -

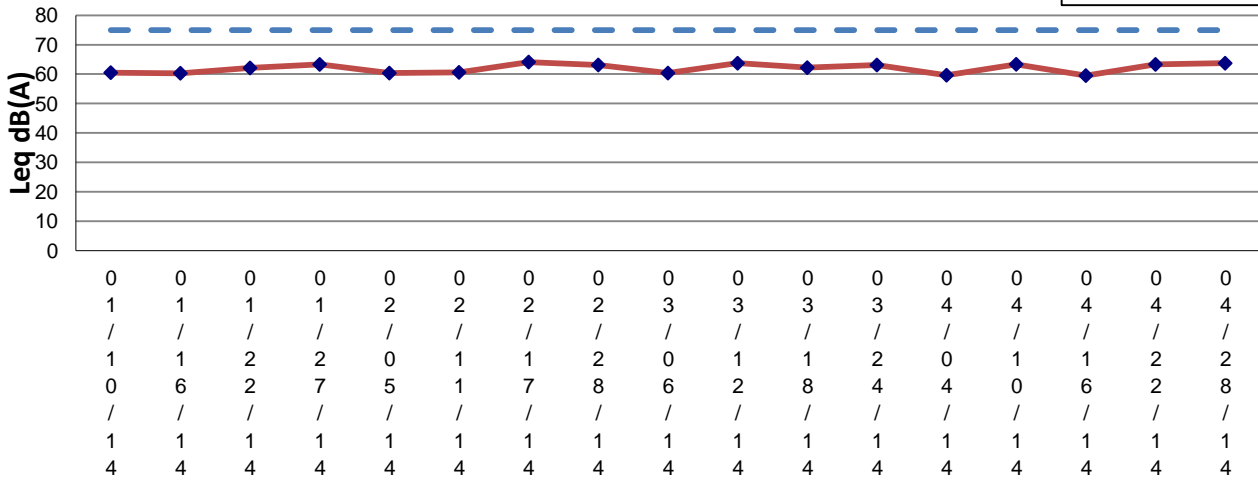


Remark: The monitoring station at Tai Kwong Secondary School (AM4) was relocated to 168 Shek Kwu Lung Village (AM4A) starting from 1 September 2011 due to the mentioned school was closed down.

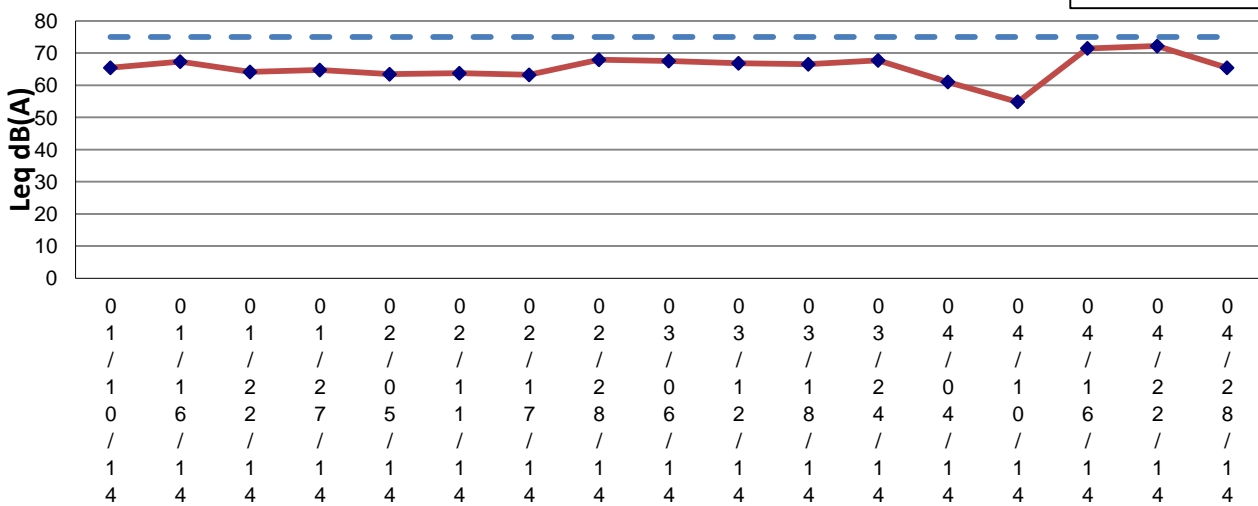
	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	May-14
	Graphical Presentation of Impact 24-hour TSP Monitoring Results	CHECK	ENFL	DRAWN	JCYK
		JOB NO.	60102979	APPENDIX No.	
				G	-

**APPENDIX F
GRAPHICAL PRESENTATION OF IMPACT
DAYTIME CONSTRUCTION NOISE
MONITORING RESULTS**

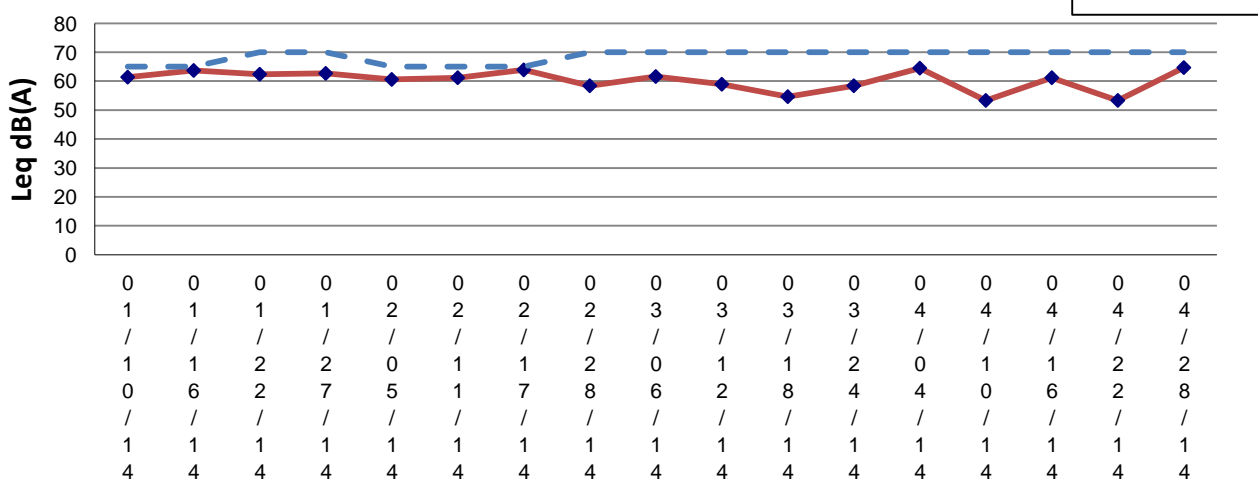
NM1A



NM2



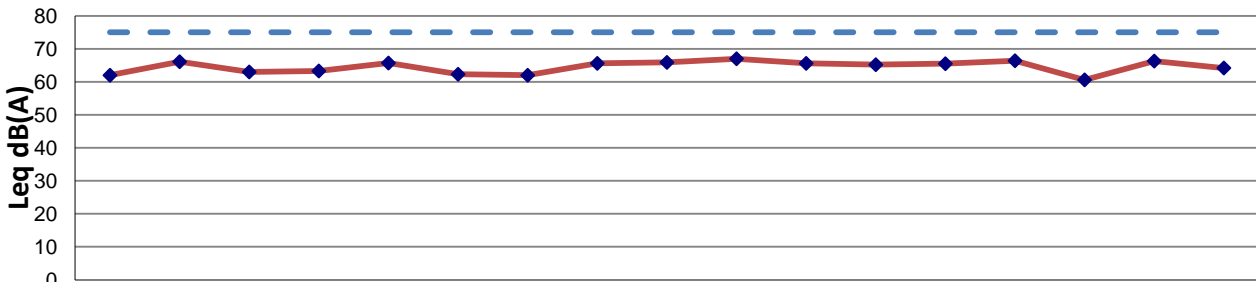
NM3



Remarks: (1) The monitoring station at Tai Kwong Secondary School (NM1) was relocated to 168 Shek Kwu Lung Village (NM1A) starting from 1 September 2011 due to the mentioned school was closed down;
 (2) Measured noise level would be shown if Measured noise level (Leq) <= Baseline noise level

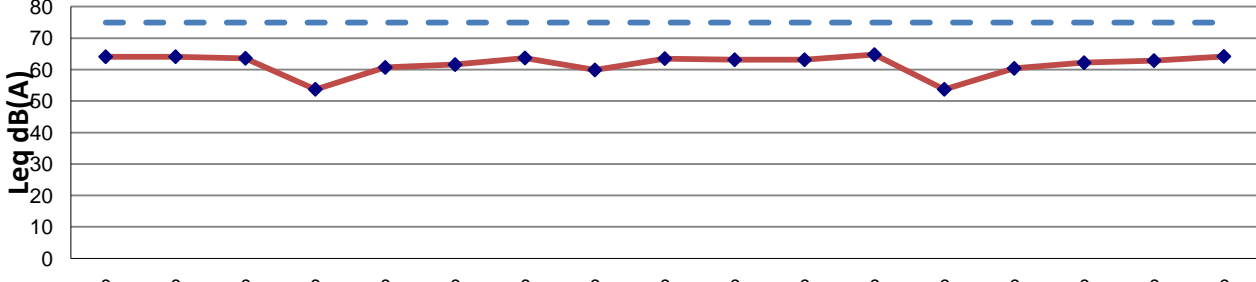
	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	May-14
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	Graphical Presentation of Impact Daytime Construction Noise Monitoring Results	JOB NO.	60102979	APPENDIX No.	Rev.

NM4



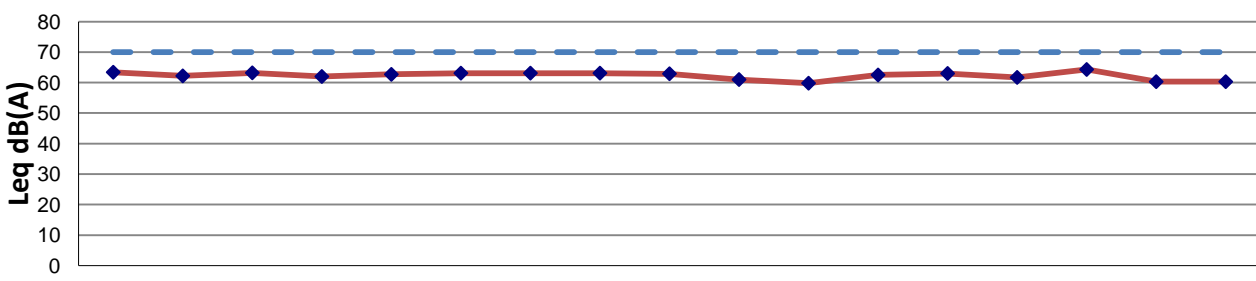
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/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	1	2	2	0	1	1	2	0	1	1	2	0	1	1	2	2
0	6	2	7	5	1	7	8	6	2	8	4	4	0	6	2	8
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

NM5




0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	1	2	2	0	1	1	2	0	1	1	2	0	1	1	2	2
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1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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NM6

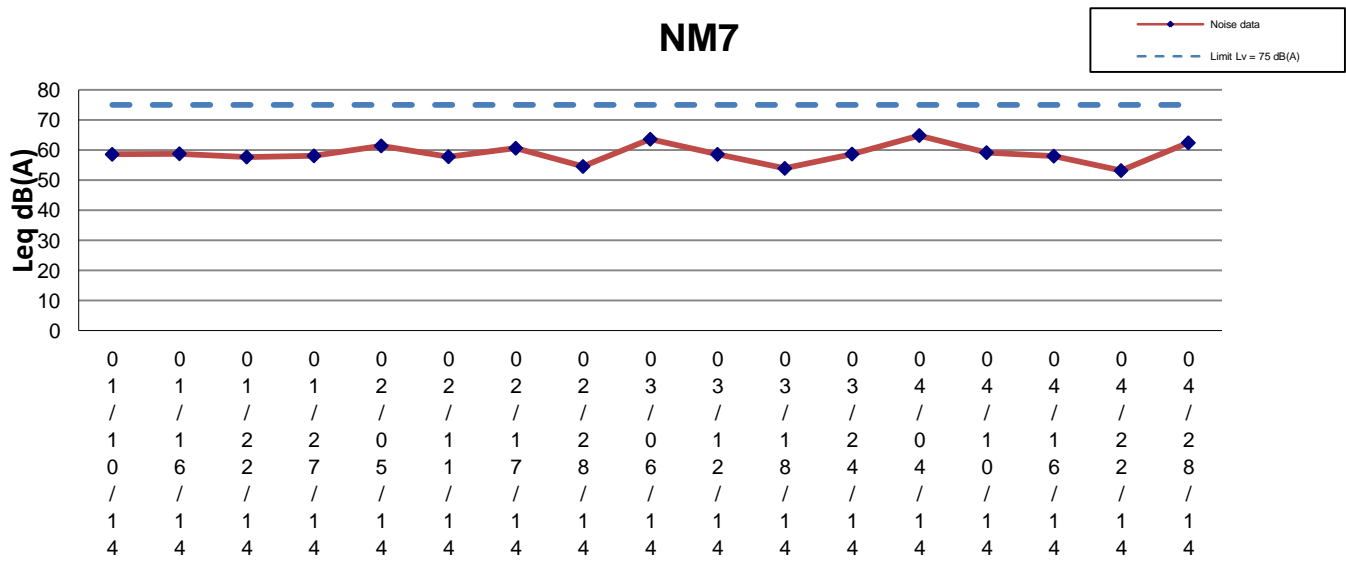


0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	6	2	7	5	1	7	8	6	2	8	4	4	0	6	2	8
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

Remark: Measured noise level would be shown if Measured noise level (Leq) <= Baseline noise level

	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	May-14	
		CHECK	ENFL	DRAWN	JCYK	
	Graphical Presentation of Impact Daytime Construction Noise Monitoring Results	JOB NO.	60102979	APPENDIX No.	I	Rev.

NM7



Remark: Measured noise level would be shown if Measured noise level (Leq) <= Baseline noise level

	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	May-14
		CHECK	ENFL	DRAWN	JCYK
	Graphical Presentation of Impact Daytime Construction Noise Monitoring Results	JOB NO.	60102979	APPENDIX No.	I
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**APPENDIX G
CUMULATIVE STATISTICS ON
COMPLAINTS, NOTIFICATIONS OF
SUMMONS AND SUCCESSFUL
PROSECUTIONS**

Appendix G

Statistics on Complaints, Notifications of Summons and Successful Prosecutions

	Date Received	Subject	Status	Total no. followed up by ET during this period	Total no. followed up by ET since project commencement
Environmental complaints	27 February 2014 (Follow-up)	EPD referred a follow-up complaint from a resident of Ma Wo on 27 February 2014. The complainant said that the Contractor caused serious noise nuisance at non-restricted hours.	Closed	3	38
	25 March 2014 (Follow-up)	EPD referred a follow-up complaint from a resident of Ma Wo Tsuen on 25 March 2014. The complaint is about the dust emission at the construction site of the Tolo Highway widening construction works at Ma Wo. The complainant complained that there was insufficient water spraying, so dust was generated and serious nuisance was caused. He expressed that he has complained for three years and no improvement has been observed.	Closed		

	Date Received	Subject	Status	Total no. followed up by ET during this period	Total no. followed up by ET since project commencement
	15 April 2014	EPD referred a complaint from a resident of Ma Wo Tsuen on 15 April 2014. The complaint was about the dust emission on 12 April 2014 at the construction site of the Tolo Highway widening construction works at Ma Wo. The complaint location was Ma Wo Tsuen near Northbound of Tolo Highway. The complainant complained that there was no water spraying or covering by tarpaulin sheets when the construction works were taking place. Serious dust nuisance has been caused. He claimed that no improvement has been observed. He requested the follow-up by the EPD.	Closed		
Notification of summons	Nil			0	0
Successful Prosecutions	Nil			0	0