

Highways Department

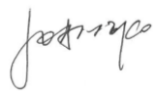

Agreement No. CE 20/2009 (EP)

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 August 2013 – October 2013

[11/2013]

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27 November 2013
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/A
Submission of Quarterly EM&A Summary Report for August to October 2013 (Stage 1)**

We refer to the Quarterly EM&A Summary Report for August to October 2013 for the captioned Project submitted by ET via email on 18 and 25 November 2013. We confirm we have no comment.

Yours faithfully
for MOTT MACDONALD HONG KONG LIMITED

A handwritten signature in black ink, appearing to read 'Terence Kong'.

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 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 were commenced on 23 November 2009 and will tentatively be completed in December 2013; while construction programme of Stage 2 is currently under review. 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 August 2013 and 31 October 2013. As informed by the Contract 1 Contractor (CSHK), construction activities in the reporting period were:-

- Temporary shoring, sheetpiling and excavation;
- Installation of soil nails;
- At-grade road construction;
- Widening and demolition of central dividers;
- Retaining wall construction;
- Noise barrier footing construction;
- Noise barrier panels installation;
- Asphalt laying;
- Installation of Drainage Pipes; and
- Modification of Edge coping;

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

- Condition survey of existing structures;
- Initial and record survey;
- Survey Setting out works for slopes and structures;
- Setting up the temporary traffic arrangement;
- Excavation of trial trenches to locate existing utilities;
- Construction of haul road;
- Extension of box culvert and subway;
- Structural works of bridges;
- Construction of Pilecap / Spread footing of Noise Barrier / Semi Noise Enclosure;
- Slope works, including installation of soil nails;
- NTHA mitigation works;
- Construction of retaining wall and associated mini-piles;
- Noise barrier construction;
- Modification / Demolition 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	17 sessions
1-hour TSP monitoring	51 sessions
Daytime Noise monitoring	15 regular sessions
Environmental Site inspection	13 sessions (Contract 1) / 14 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 (included one (1) air quality related complaint) followed up by the Environmental Team in the reporting quarter. Investigations were carried out. The findings and proposed mitigation measures of the complaint were submitted to all relevant parties.

No notification of summons and successful prosecution 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 Project is a designated project 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.
- 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 December 2013; while construction programme of Stage 2 is currently under review. 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 sixteenth 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 August 2013 and 31 October 2013.

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
Ao Ho Fo	9220 5848	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;
 - Pile cap construction (Noise Barrier);
 - Installation of soil nails;
 - At-grade road construction;
 - Widening and demolition of central dividers;
 - Retaining wall construction;
 - Noise barrier footing construction;
 - Noise barrier panels installation;
 - Asphalt laying;
 - Installation of Drainage Pipes; and
 - Modification of Edge coping;
- 1.15. The construction works carried out by the Contract 2 Contractor (GCL) in the reporting period were:-
- Condition survey of existing structures;
 - Initial and record survey;
 - Survey Setting out works for slopes and structures;
 - Setting up the temporary traffic arrangement;
 - Excavation of trial trenches to locate existing utilities;
 - Construction of haul road;
 - Extension of box culvert and subway;
 - Construction of Pilecap / Spread footing of Noise Barrier / Semi Noise Enclosure;
 - Slope works, including installation of soil nails;
 - NTHA mitigation works;
 - Construction of retaining wall and associated mini-piles;
 - Noise barrier construction;
 - Modification / Demolition 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 and EP-324/2008/A) 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		
		Aug 13	Sep 13	Oct 13
1-hr TSP	AM1A	18	15	18
	AM2	18	15	18
	AM3	18	15	18
	AM4A	18	15	18
24-hr TSP	AM1A	6	5	6
	AM2	6	5	6
	AM3	6	5	6
	AM4A	6	5	6

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

Monitoring Parameter	Location	Level of Exceedance	Level of Exceedance		
			Aug 13	Sep 13	Oct 13
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		
		Aug 13	Sep 13	Oct 13
	NM1A	5	5	5
	NM2	5	5	5
	NM3	5	5	5
	NM4	5	5	5
	NM5	5	5	5
	NM6	5	5	5
	NM7	5	5	5

Table 4.2 Summary of Number of Monitoring Exceedances for Construction Noise

Monitoring Parameter	Location	Level of Exceedance	Level of Exceedance		
			Aug 13	Sep 13	Oct 13
	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	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 14 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 remove the stagnant water within the construction site at Bridge 11.

Chemical and Waste Management

5.2.4. The Contractor was reminded to remove the general refuse at Bridge 11.

5.2.5. The Contractor was reminded to remove the construction waste within the construction area at Bridge 10.

5.2.6. Oil cans were observed at Gate 41. The Contractor was reminded to provide a drip tray to hold the oil cans or remove the oil cans.

Landscape and Visual Impact

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

Miscellaneous

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

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

Air Quality

5.3.1. Exposed cement bags were observed at Wall 59. The Contractor was reminded to cover the cement bags or remove them.

5.3.2. The Contractor was reminded to cover the soil stockpile at Wall 59.

5.3.3. The Contractor was reminded to cover the exposed soil stockpile at Lam Kam Bridge P2.

5.3.4. The Contractor was reminded to cover the cement bags with impervious sheet at Link Bridge 1.

5.3.5. Mud trails were observed at Gate 65. The Contractor was reminded to clear the mud trails and prevent vehicles from bringing the mud trails to the public roads.

Noise

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

Water Quality

5.3.7. The Contractor was reminded to remove the standing water within the construction site at W58B.

5.3.8. Sands and debris were observed along the U-channel at Bridge 13. The Contractor was reminded to remove the sands and debris so as to maintain the drainage properly.

5.3.9. The Contractor was reminded to remove the standing water held within the drip tray at Link Bridge 1.

Chemical and Waste Management

5.3.10. The Contractor was reminded to provide drip tray for holding the oil drum at Wall 74.

5.3.11. The Contractor was reminded to remove the general refuse within the construction site at W58B.

5.3.12. Oil drum was placed on bare ground at W58B. The Contractor was reminded to remove the oil drum or provide a drip tray for holding the oil drum.

5.3.13. The Contractor was reminded to remove the general refuse at NB 30.

5.3.14. The Contractor was reminded to remove the oil drum or provide a drip tray for holding the oil drum at NB 30.

5.3.15. The Contractor was reminded to provide drip tray for holding the oil cans at Link Bridge 1.

5.3.16. The contractor was reminded to remove the general refuse at W74.

5.3.17. The contractor was reminded to provide a larger drip try to hold oil drums at Lam Kam Bridge.

5.3.18. The contractor was reminded to provide a drip try to oil cans to prevent oil leakage at Lam Kam Bridge.

Landscape and Visual Impact

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

Miscellaneous

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

6 ADVICE ON THE SOLID AND LIQUID WASTE MANAGEMENT STATUS

- 6.1.1 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.
- 6.1.2 As advised by the Contract 1 Contractor (CSHK), 576m³ of inert C&D material was disposed as public fill to Tuen Mun 38 (of which 4m³ was broken concrete), while 332m³ of general refuse were disposed at NENT landfill. 25,437kg of metal, 300kg of paper/cardboard and 7,389kg of plastic were collected by recycling contractor in the reporting quarter. 5,216m³ and 1,354m³ 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.
- 6.1.3 As advised by the Contract 2 Contractor (GCL), 1,175m³ of inert C&D material were disposed to Tuen Mun 38 and 730m³ of general refuse was disposed to NENT landfill in the reporting period. 480m³ 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 month. No inert C&D material was reused on site or reused in NENT for backfilling purpose. No chemical waste was collected by the licensed contractor in the reporting period.
- 6.1.4 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 notification of summons and prosecution was received in the reporting quarter.
- 8.3. There was one (1) complaint followed up by the Environmental Team, including one (1) air quality related complaint in reporting period as follows:

Environmental Enquiry No.: EC-33

The air complaint, was received by EPD on 7 October 2013, and referred from EPD on 7 October 2013. The complaint is about dust emission in construction site of the Tolo Highway widening construction works at Ma Wo, causing nuisance to the complainant.

As informed by the Contractor (Gammon Construction Ltd) and confirmed by the Engineer of the Project, backfilling and compaction work of general fill material at W38 and delivery of fill material from W48 to W38 by dump truck on 7 October 2013 were being carried out at Ma Wo as shown in the layout plan below. Mitigation measures, including manual and sprinklers water spraying on haul road and exposed slope, covering non-working slope by tarpaulin sheet at a sight distance from complainant before the construction of permanent footpath, providing full-time manual water spray and setting a tarpaulin dust screen on the top of W45-47 along W44 & NB31, were taken by the Contractor. In case of any dump truck passing through W45-47, the mechanical covering would not open until they reach the unloading point.

With reference to the monitoring results recorded on days near to the day of complaint at the nearest EM&A monitoring station (AM1A- 3 Sheung Wun Yiu), the 24-hour TSP levels on 27 September 2013 and 2 October 2013 were found to be 39.2ug/m³ and 36.2ug/m³ respectively, which were below the action level of 198.5 ug/m³. Besides, the average 1-hour TSP levels on 27 September 2013 and 2 October 2013 at the nearest EM&A monitoring station (AM1A- 3 Sheung Wun Yiu) were found to be 81.8ug/m³ and 76.3ug/m³ respectively, which were also below the action level of 302.3ug/m³.

Nevertheless, the complaint was considered as project-related.

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

- Confirm the implementation of dust mitigation measures (watering for the haul roads and at work areas W38 and W48, covering of dusty materials carrying in dump trucks within the construction area and covering non-working slope by tarpaulin sheet) during all construction / dusty activities to prevent any fugitive dust generation;
- Increase the frequency of watering in the work areas (specially near site access and work areas W38 and W48) to maintain the surface of site haul roads and exposed surfaces in wet condition;
- Cover the backfilling surface after work;
- Maintain soil surface wet before loading and unloading activities;
- Maintain the frequency of the environmental supervision (by the Contractor) to regular review the adequacy and effectiveness of dust suppression measures to suit the construction progress; and
- Foster better public relations with the sensitive receivers / the complainant nearby.

8.4. 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

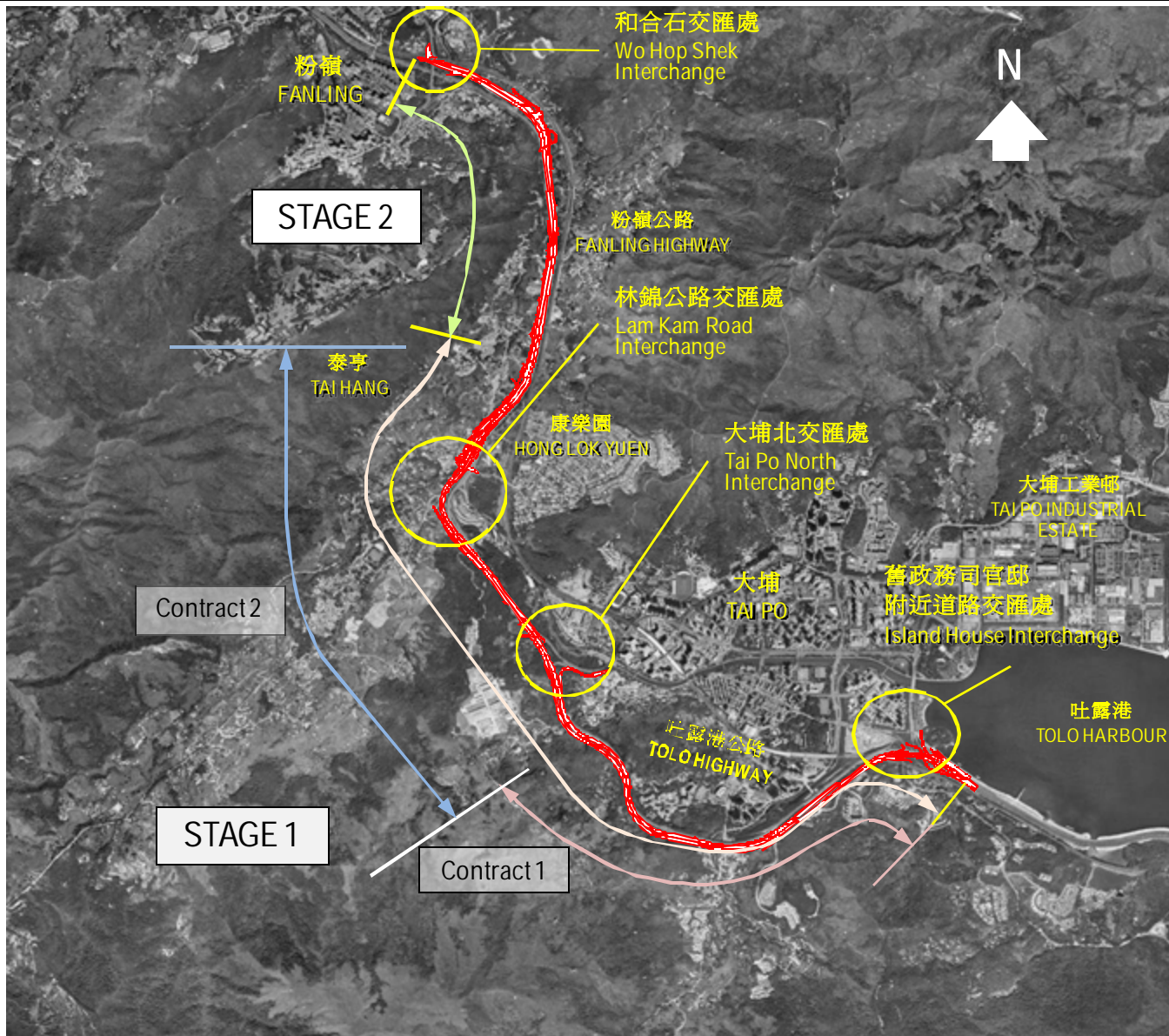
- 9.2. The impact air quality and noise monitoring programme ensured that any deterioration in environmental condition was readily detected and timely actions taken to rectify any non-compliance. Assessment and analysis of monitoring results collected demonstrated the environmental acceptability of Stage 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. The construction phase and EM&A programme of Stage 1 of the Project commenced on 23 November 2009.
- 9.5. Air quality and noise monitoring, weekly site inspections were carried out in the reporting quarter, in accordance with the updated EM&A manual.
- 9.6. All 1-hour TSP monitoring results complied with the Action / Limit Level in the reporting quarter.
- 9.7. All 24-hour TSP monitoring results complied with the Action / Limit Level in the reporting quarter.
- 9.8. No Action and Limit Level exceedance of construction noise monitoring was recorded in the reporting period.
- 9.9. There was one (1) complaint followed up by the Environmental Team, including one (1) air quality related complaint in the reporting quarter. The findings and proposed mitigation measures of the complaint were submitted to all relevant parties.
- 9.10. No notification of summons and prosecution was received in the reporting quarter.

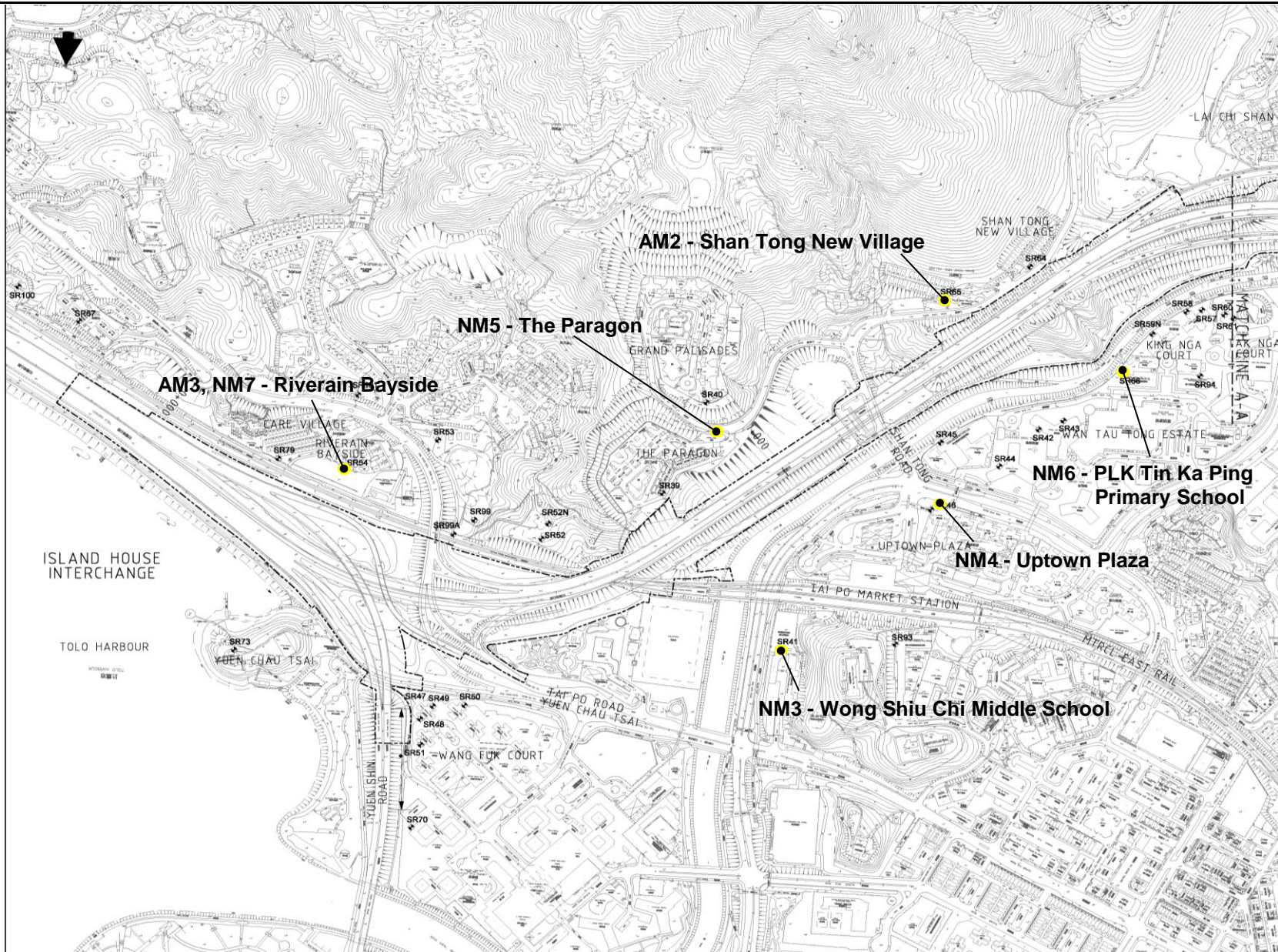
FIGURES



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

General Project Layout Plan

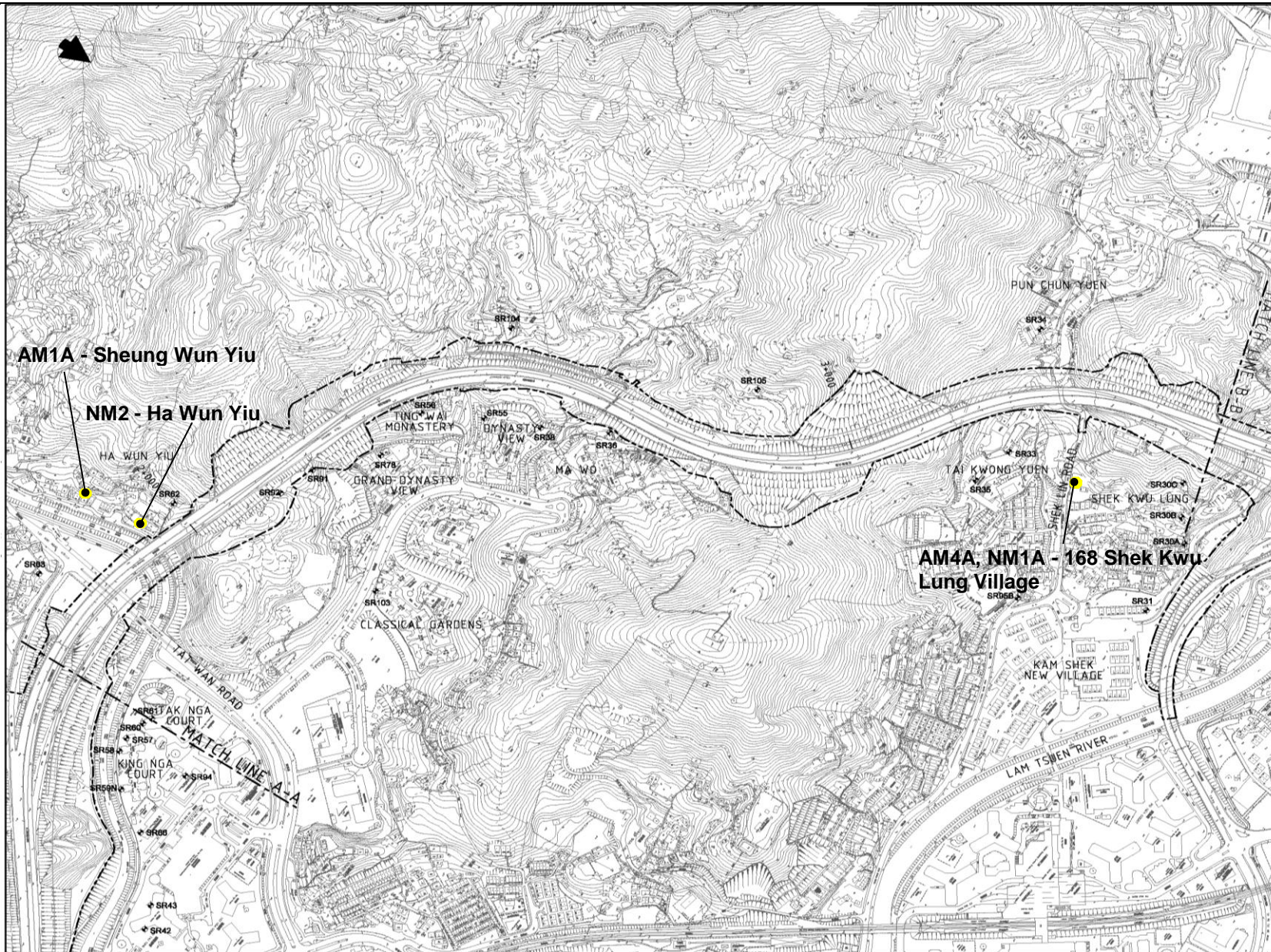
SCALE	N.T.S.	DATE	Dec-09
CHECK	ENFL	DRAWN	RWHW
JOB NO.	60102979	FIGURE NO.	1.1
			Rev 0



**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

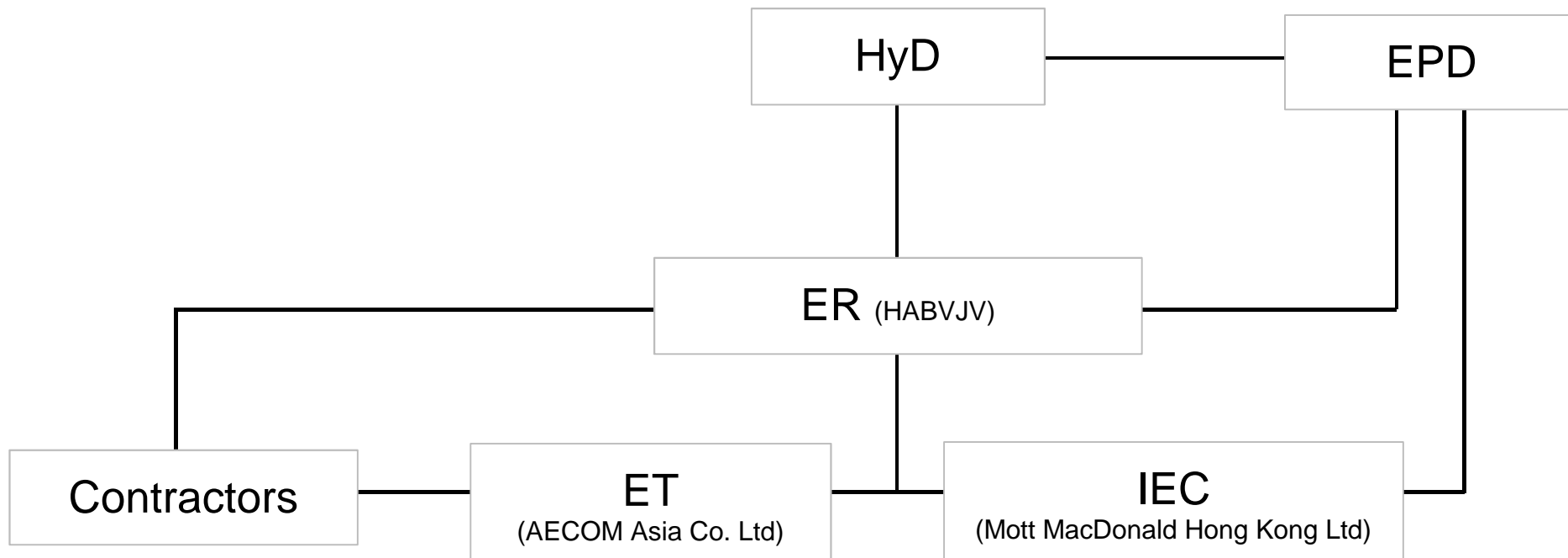


**Environmental Team for the Widening of Tolo Highway between
Island House Interchange and Tai Hang - Investigation**

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 Durat...	Start	Finish	2013															
					August					September				October			November			
					21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03
KEY DATES																				
Section Completion																				
Section Completion Date																				
Key Date																				
KD-300200	KD2 Section 2 Areas SA8,SA9 + SA9A Work (1052d)			0	22-Oct-13*			◆ KD2 Section 2 A												
PRELIMINARES & GENERAL REQUIREMENTS, PROCUREMENT																				
TCSS Works																				
General																				
Gantry Beam Procurement: Batch 2 (G11, 12, 14, 15, 65)																				
GS1193	Fabrication of Gantry Beam (G14)		81	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G14)												
GS1194	Fabrication of Gantry Beam (G15)		101	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G15)												
GS1195	Fabrication of Gantry Beam (G65)		101	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G65)												
Gantry Beam Procurement: Batch3 (G18, 20, 21, 22, 62, 63, 64)																				
GS1260	Fabrication of Gantry Beam (G18)		91	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G18)												
GS1261	Fabrication of Gantry Beam (G20)		91	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G20)												
GS1262	Fabrication of Gantry Beam (G21)		101	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G21)												
GS1263	Fabrication of Gantry Beam (G22)		101	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G22)												
GS1264	Fabrication of Gantry Beam (G62)		60	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G62)												
GS1265	Fabrication of Gantry Beam (G63)		60	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G63)												
GS1266	Fabrication of Gantry Beam (G64)		60	02-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G64)												
Gantry Beam Procurement: Batch 4 (G23, 61)																				
GS1330	Fabrication of Gantry Beam (G23 & G61)		60	15-May-13 A		10-Aug-13 A		Fabrication of Gantry Beam (G23 & G61)												
GS1340	Gantry Beam Available (G23 & G61)		0	10-Aug-13 A			◆ Gantry Beam Available (G23 & G61)													
Gantry Beam Procurement: Batch 5 (G75, 76)																				
GS1400	Fabrication of Gantry Beam		90	15-May-13 A		30-Sep-13		Fabrication of Gantry Beam												
GS1410	Gantry Beam Available (batch 5)		0	30-Sep-13			◆ Gantry Beam Available (batch 5)													
Gantry Beam Procurement: Batch 6 (G13, 66)																				
GS3800	Fabrication of Gantry Beam		90	15-May-13 A		30-Sep-13		Fabrication of Gantry Beam												
GS3810	Gantry Beam Available (batch 6)		0	30-Sep-13			◆ Gantry Beam Available (batch 6)													
Z1: CH 0 to CH 500: SECT. 1 WORKS																				
Banyan & Banyan West Bridge Construction																				
Demolition of Temporary Steel Bridge TB1																				
S1-197165	Remove Retaining Wall		124	21-Jan-13 A		07-Oct-13		Remove Retaining Wall												
New Banyan Bridge																				
Bridge Deck																				
S1-080870	Painting Bridge (after bridge opening)		177	20-Nov-12 A		26-Sep-13		Painting Bridge (after bridge opening)												
S1-080900	New Banyan Bridge Completion		0	26-Sep-13			◆ New Banyan Bridge Completion													
New Banyan Bridge West																				
Bridge Deck																				
S1-090860	Painting Bridge (w/ TTA & night works)		227	19-Sep-12 A		26-Sep-13		Painting Bridge (w/ TTA & night works)												
S1-090900	New Banyan West Bridge Completion		0	26-Sep-13			◆ New Banyan West Bridge Completion													
Noise Barrier at Kwong Fuk West																				
Noise Barrier at Kwong Fuk West Viaduct																				
Noise Barrier Foundation Works																				
S1-180510A020	Column PC2B,3B,4B,5A,5B,6A,6B(Steel formwork)		137	02-Jan-13 A		20-Aug-13 A		Column PC2B,3B,4B,5A,5B,6A,6B(Steel formwork)												
S1-180510A0000	Clarification of feasibility & issue VO of fixing design by Engineer		54	28-Mar-13 A		20-Aug-13 A		Clarification of feasibility & issue VO of fixing design by Engineer												
S1-180510b005	Column PC1A(trad form), 2A,3A,4A (steel form)		26	13-Jun-13 A		14-Sep-13		Column PC1A(trad form), 2A,3A,4A (steel form)												
S1-180510A030	Pier Head (incl. all cast-in item)-PC1B (Tradition formwork)		9	15-Jul-13 A		30-Jul-13 A		Pier Head (incl. all cast-in item)-PC1B (Tradition formwork)												
S1-180510A160	Pier Head (incl. all cast-in item)-PC6B (Steel formwork)		8	15-Jul-13 A		31-Jul-13 A		Pier Head (incl. all cast-in item)-PC6B (Steel formwork)												
S1-180410B	NB KFW Pile Cap. 4 nos. (after TB1 removal)		18	16-Jul-13 A		30-Jul-13 A		NB KFW Pile Cap. 4 nos. (after TB1 removal)												
S1-180510A0000	Pending for Cast In item fixing detail design info for PC7A- RFI-564		14	20-Jul-13 A		05-Aug-13 A		Pending for Cast In item fixing detail design info for PC7A- RFI-564												
S1-180510A040	Pier Head (incl. all cast-in item)-PC5A(Tradition formwork)		9	20-Aug-13		29-Aug-13		Pier Head (incl. all cast-in item)-PC5A(Tradition formwork)												
S1-180510A090	Pier Head (incl. all cast-in item)-PC2B(Steel formwork)		8	20-Aug-13		28-Aug-13		Pier Head (incl. all cast-in item)-PC2B(Steel formwork)												
S1-180510A120	Pier Head (incl. all cast-in item)-PC3B (Steel formwork)		8	29-Aug-13		06-Sep-13		Pier Head (incl. all cast-in item)-PC3B (Steel formwork)												
S1-180510A050	Pier Head (incl. all cast-in item)-PC5B (Tradition formwork)		9	30-Aug-13		09-Sep-13		Pier Head (incl. all cast-in item)-PC5B (Tradition formwork)												
S1-180510b020	Pier Head (incl. all cast-in item)-PC1A (Tradition formwork)		8	31-Aug-13		09-Sep-13		Pier Head (incl. all cast-in item)-PC1A (Tradition formwork)												
S1-180510A140	Pier Head (incl. all cast-in item)-PC4B (Steel formwork)		8	07-Sep-13		16-Sep-13		Pier Head (incl. all cast-in item)-PC4B (Steel formwork)												
S1-180510A060	Pier Head (incl. all cast-in item)-PC7A(Tradition formwork)		9	10-Sep-13		20-Sep-13		Pier Head (incl. all cast-in item)-PC7A(Tradition formwork)												
S1-180510b030	Pier Head (incl. all cast-in item)-PC2A (Steel formwork)		8	10-Sep-13		18-Sep-13		Pier Head (incl. all cast-in item)-PC2A (Steel formwork)												
S1-180510A150	Pier Head (incl. all cast-in item)-PC6A (Steel formwork)		8	17-Sep-13		26-Sep-13		Pier Head (incl. all cast-in item)-PC6A (Steel formwork)												



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 Aug 2013 to 20 Nov 2013**

Activity ID	Activity Name	Original Durat...	Start	Finish	2013															
					August					September				October				November		
					21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03
S1-180510b040	Pier Head (incl. all cast-in item)-PC3A (Steel formwork)	8	20-Sep-13	28-Sep-13																
S1-180510A070	Pier Head (incl. all cast-in item)-PC7B (Tradition formwork)	9	21-Sep-13	02-Oct-13																
S1-180510b050	Pier Head (incl. all cast-in item)-PC4A (Steel formwork)	8	30-Sep-13	09-Oct-13																
S1-180810	KFWV structural steel, (bay 5-7)	26	18-Nov-13	17-Dec-13																
TCSS Works																				
New Sign Gantry Construction																				
G18 (VO205 Slip Road)																				
GS1778	Footing besides Slip road (pending for Engineer design clarification)	45	21-Aug-13*	06-Dec-13																
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	19-Oct-13	08-Nov-13																
Noise Barrier NB6																				
S1-207055	NB production period	76	10-Apr-13 A	30-Aug-13																
S1-207060	NB6 Structural Steel	14	31-Aug-13	16-Sep-13																
S1-208060	NB6 NB Panels	14	12-Sep-13	28-Sep-13																
Road Lighting/ or High Mast																				
S1-203067	Relocate pillar box for high mast HM1 - HM10	14	07-Sep-13	24-Sep-13																
S1-700050	Cabling works for utilities/Lighting	30	12-Sep-13	19-Oct-13																
S1-700070	Pillar Box + MCB Board installation	18	27-Sep-13	19-Oct-13																
Cut Slope S4																				
S1-031060B	Cut Slope S4 - drainage/ u channels	20	20-Aug-13	11-Sep-13																
NB7 , Slope S3, Slip Rd C																				
Cut Slope S3																				
S1-031030A	Cut Slope S3- excavation	483	20-Dec-11 A	30-Aug-13																
S1-031030B	Cut Slope S3- u channels	411	20-Mar-12 A	20-Aug-13 A																
SB Road & Drain, Ch 0-300, after NB3																				
Road Drainage																				
S1-051165	Road Drainage - pipelayinng + manhole, L=100m	30	10-Jul-13 A	07-Aug-13 A																
TCSS Works/Other Utilities																				
S1-035045	TCSS P57 - footing	14	07-Sep-13	24-Sep-13																
S1-035055	TCSS S167 - footing	14	25-Sep-13	12-Oct-13																
Road Lighting/ or High Mast																				
S1-051215	Public Lighting - install Lamp Pole + Lamps	18	19-Oct-13	08-Nov-13																
S1-051215A	Public Lighting - cabling works	18	19-Oct-13	08-Nov-13																
S1-051215B	Public Lighting - power supply connection & test	18	19-Oct-13	08-Nov-13																
Roadworks																				
S1-051200	Roadworks- 1st TTA - Half fast lane	18	08-Aug-13 A	05-Sep-13																
S1-051205	Roadworks- 2nd TTA - Slow lane	26	06-Sep-13	08-Oct-13																
S1-051210	Roadworks- 3rd TTA - middle lane	26	09-Oct-13	08-Nov-13																
S1-051230	Roadworks- 4th TTA - fast lane	26	09-Nov-13	09-Dec-13																
NB6 and Slope S4A, after TB1 demolition																				
Noise Barrier NB6 (remaining 1 bay after TB1 removal)																				
S1-208126	NB6 Excavation & temp works, 1 bay	20	15-May-13 A	22-Jul-13 A																
S1-208128	NB6 footing & wall stem, 1 bay	30	24-Jun-13 A	29-Jul-13 A																
S1-208130	NB6 Structural Steel	10	11-Sep-13	23-Sep-13																
S1-208135	NB6 NB Panels	6	24-Sep-13	30-Sep-13																
Cut Slope S4A																				
S1-208140A	Cut Slope S4A - excavation	20	20-Aug-13	11-Sep-13																
S1-208140B	Cut Slope S4A - u channels	20	12-Sep-13	07-Oct-13																
NB11, Slope S4B & F124, after TB2 dem.																				
High Mast Lighting																				
S1-200112	High Mast HM5 - footing + relocation + lamp	30	20-Aug-13	24-Sep-13																
Noise Barrier NB11																				
S1-203130	NB11 Footing & Wall Stem	48	05-Jun-13 A	30-Aug-13																
S1-208120	W3A construction	14	11-Sep-13	27-Sep-13																
S1-207110	NB11 Structural Steel	10	18-Oct-13	29-Oct-13																
S1-208110	NB11 NB Panels	10	30-Oct-13	09-Nov-13																
Cut Slope S4B, S4C																				
S1-031040A	Cut Slope S4B, S4C - excavation	21	31-Aug-13	25-Sep-13																
S1-031040B	Cut Slope S4B, S4C - drainage/ channels	48	26-Sep-13	22-Nov-13																
South Bound Road and Drain, Ch 300-500																				
Road Drainage																				



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

Three Months Rolling Programme
for the Period of 21 Aug 2013 to 20 Nov 2013

Activity ID	Activity Name	Original Durat...	Start	Finish	2013																		
					August					September				October				November					
					21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	
S1-051347	Road Drainage - pipelayinng + manhole, L=200	26	31-Oct-13	29-Nov-13																			
Firemain																							
S1-051305	Firemain- excav, pipe install + pit/new hydrants	24	02-Nov-13	29-Nov-13																			
TCSS Works/Other Utilities																							
S1-051303	Civil prov. works (CPW)- TCSS Pillar Box A	18	31-Oct-13	20-Nov-13																			
S1-051325	Utilities & TCSS buried ducts	24	02-Nov-13	29-Nov-13																			
Road Lighting/ or High Mast																							
S1-051350A	Public Lighting - cabling works	18	31-Oct-13	20-Nov-13																			
S1-051350	Public Lighting - Lamp Pole + Lamps	18	09-Nov-13	29-Nov-13																			
Roadworks																							
S1-051335	Roadworks- 1st TTA - Temp lane about 500mm (Lane 4)	9	31-Aug-13	10-Sep-13																			
S1-051340	Roadworks- 2nd TTA - Slow lane	20	11-Sep-13	05-Oct-13																			
S1-051345	Roadworks- 3rd TTA - middle lane	20	07-Oct-13	30-Oct-13																			
TCSS HUB (near KFW Viaduct)																							
TCSS Hub																							
S1-700016	E&M procurement & delivery	90	09-Apr-13 A	21-Aug-13																			
S1-700010	TCSS HUB - ABWF	30	20-Jul-13 A	05-Sep-13																			
S1-700020	TCSS HUB - E&M	40	22-Aug-13	09-Oct-13																			
TCSS HUB (Ma Liu Shui)																							
TCSS Hub																							
S1-700180	E&M procurement & delivery	90	09-Apr-13 A	21-Aug-13																			
S1-700190	TCSS HUB - E&M	40	22-Aug-13	09-Oct-13																			
Central Median Work- Noise Barrier + Road/Drain																							
Noise Barrier NB3 CH0-357																							
Road Lighting/ or High Mast																							
S1-208040A	Public Lighting - cabling works	18	20-Aug-13	09-Sep-13																			
S1-208040	Public Lighting - Lamp Pole + Lamps	18	10-Sep-13	02-Oct-13																			
S1-208040B	Public Lighting - power supply connection & test	18	03-Oct-13	24-Oct-13																			
Noise Barrier Structural Steel & Panels																							
S1-207030	NB3 Structural Steel	10	21-Oct-13*	31-Oct-13																			
S1-208030	NB3 NB Panels	10	01-Nov-13	12-Nov-13																			
Noise Barrier NB3 CH357-381,after TB1 demolition																							
Noise Barrier Structural Steel & Panels																							
S1-208075	NB3 Structural Steel	6	15-Nov-13*	21-Nov-13																			
Noise Barrier NB10 CH444-500,after TB2 demolition																							
Noise Barrier Foundation Works																							
S1-200100	NB10 Excavation + Temp. works [Prebored H Piles, 30 nos.DELETED]	78	06-Mar-13 A	14-Aug-13 A																			
S1-203100	NB10 Footing + Wall stem [Pile cap, Plinth DELETED]	52	06-May-13 A	04-Sep-13																			
S1-200094	Pending VO for searching existing ducting for TCSS works	10	20-Aug-13	30-Aug-13																			
Noise Barrier Structural Steel & Panels																							
S1-207100	NB10 Structural Steel + Lighting	12	23-Oct-13	05-Nov-13																			
S1-208100	NB10 NB Panels	12	06-Nov-13	19-Nov-13																			
Northbound Work- Ret. Wall, Noise B, Rd																							
RW W1+ NB1+S1, NB2 Ch200-300																							
Noise Barrier NB1																							
S1-208015	Northbound work Complete	0	04-Nov-13																				
Cut Slope S1																							
S1-031015005	VO for footing modification & relocation of HM7	14	20-Jun-13 A	24-Aug-13																			
S1-031015015	Fill Slope S1- backfilling (remaining 50% after relocation of HM7)	31	26-Aug-13	02-Oct-13																			
S1-031015020	Fill Slope S1- drainage	26	03-Oct-13	02-Nov-13																			
Northbound Rd/ Dr, Ch 0-300, after NB3																							
Roadworks																							
S1-051105	Roadworks- 2nd TTA (Fast lane)	115	06-Feb-13 A	14-Sep-13																			
S1-051115	Roadworks- 3rd TTA (middle lane)	26	16-Sep-13	18-Oct-13																			
S1-051135	Drainage at Slow Lane	26	19-Oct-13	18-Nov-13																			
S1-051137	Roadworks- 4th TTA (Slow lane)	26	19-Nov-13	18-Dec-13																			
Slip Rd B after Banyan Br. Completion																							
Slip Rd B																							
S1-051150	Slip Road B - drainage + road reconstruction	193	11-Oct-12 A	20-Sep-13																			
Slip Rd A after Banyan West Completion																							
Slip Rd A																							
S1-051155	Slip Road A - drainage + road reconstruction	175	20-Oct-12 A	20-Sep-13																			
NB2 & Slope S2, after TB1 demolition																							
High Mast Lighting																							



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Widening of Tolo Highway / Fanling Highway
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Three Months Rolling Programme
for the Period of 21 Aug 2013 to 20 Nov 2013

Activity ID	Activity Name	Original Durat...	Start	Finish	2013														
					August					September				October				November	
					21	28	04	11	18	25	01	08	15	22	29	06	13	20	27
High Mast HM6 - footing, relocation + lamp																			
S1-031037	High Mast HM6 - footing, relocation + lamp	60	02-Sep-13	13-Nov-13	[Gantt chart bar]														
High Mast HM10 - install/delete lamps																			
S1-031039	High Mast HM10 - install/delete lamps	6	14-Nov-13	20-Nov-13	[Gantt chart bar]														
Noise Barrier NB2																			
S1-031054	NB2 footing & wall stem	24	02-Jul-13 A	31-Aug-13	[Gantt chart bar]														
S1-031055	NB2 Structural Steel	10	19-Oct-13	30-Oct-13	[Gantt chart bar]														
S1-031065	NB2 NB Panels	10	31-Oct-13	11-Nov-13	[Gantt chart bar]														
Cut Slope S2																			
S1-031025B	Cut Slope S2- channel	20	12-Nov-13	04-Dec-13	[Gantt chart bar]														
NB9, Slope F121, S5, (after TB2 demolition)																			
Noise Barrier NB9																			
S1-200128	NB9 footing & wall stem	67	18-Mar-13 A	30-Jul-13 A	[Gantt chart bar]														
S1-200130	NB9 Structural Steel	12	12-Sep-13	26-Sep-13	[Gantt chart bar]														
S1-200135	NB9 NB Panels	12	27-Sep-13	12-Oct-13	[Gantt chart bar]														
Cut Slope S5																			
S1-200140	Slope F121 + S5	40	20-Aug-13	07-Oct-13	[Gantt chart bar]														
North Bound Road and Drain, Ch 300-500																			
Road Drainage																			
S1-200155	Road Drainage - pipelaying + manhole	25	18-Sep-13	19-Oct-13	[Gantt chart bar]														
Firemain																			
S1-200170	Firemain- excav, pipe install + pit/new hydrants	24	18-Sep-13	18-Oct-13	[Gantt chart bar]														
TCSS Works/Other Utilities																			
S1-200180	Utilities & TCSS buried ducts	24	18-Sep-13	18-Oct-13	[Gantt chart bar]														
Road Lighting/ or High Mast																			
S1-200175	Public Lighting - buried ducts	24	18-Sep-13	18-Oct-13	[Gantt chart bar]														
S1-200205	Public Lighting - Lamp Pole + Lamps	24	19-Oct-13	15-Nov-13	[Gantt chart bar]														
Roadworks																			
S1-200154	Roadworks - 1st TTA - Half fast lane (Lane 4)	11	05-Sep-13	17-Sep-13	[Gantt chart bar]														
S1-200190	Roadworks - 2nd TTA - Slow lane	20	21-Oct-13	12-Nov-13	[Gantt chart bar]														
S1-200195	Roadworks - 3rd TTA - middle lane	20	13-Nov-13	05-Dec-13	[Gantt chart bar]														
Z2: CH 500 to CH 1100: SECT. 4 WORKS																			
Zone 2: CH500 to Ch1100 (Section 4 Works)																			
VO No.28 (VO 211) - Diversion of Existing Stormwater Drain in Kwong Fuk Park																			
VO28-1050	Construct manhole R to Half (25.7m) (sheet pile, trench excavation, pipelaying + backfill)	55	16-Apr-13 A	20-Jul-13 A	[Gantt chart bar]														
VO28-1060	Construct Half to manhole Q (25m) (sheet pile, trench excavation, pipelaying + backfill)	58	06-May-13 A	20-Jul-13 A	[Gantt chart bar]														
VO28-1070	Construct manhole Q to Half (18m) (sheet pile, trench excavation, pipelaying + backfill)	45	22-Jul-13 A	30-Sep-13	[Gantt chart bar]														
VO28-1080	Construct Half to manhole P (18m) (sheet pile, trench excavation, pipelaying + backfill)	50	19-Aug-13 A	09-Nov-13	[Gantt chart bar]														
VO28-1085	Town Gas installation works (from main to complete connection to MTRC) by TGC contractor	50	11-Nov-13	09-Jan-14	[Gantt chart bar]														
WM Test+Drain CCTV+ E&M Works																			
Drainage CCTV																			
S4-208380	Drainage CCTV	24	26-Oct-13	22-Nov-13	[Gantt chart bar]														
S4-208385	Drainage submit CCTV Report	18	09-Nov-13	29-Nov-13	[Gantt chart bar]														
TCSS E&M Works & Handover																			
S4-208355	Cabling works for Utilities/TCSS/Lighting	48	20-Aug-13	17-Oct-13	[Gantt chart bar]														
S4-208370	T&C - power supply system to TCSS/Lighting	36	18-Oct-13	28-Nov-13	[Gantt chart bar]														
TCSS Works																			
New Sign Gantry Construction																			
G20																			
GS1830	Footing for FL (NB17 bay 6)	20	03-Jul-13 A	23-Jul-13 A	[Gantt chart bar]														
GS1835	Erect Column FL	10	20-Aug-13	30-Aug-13	[Gantt chart bar]														
GS1820	Footing for SL (NB16 bay 11)	20	06-Nov-13	28-Nov-13	[Gantt chart bar]														
G63																			
GS2192	Erect column FL	4	15-Jul-13 A	13-Aug-13 A	[Gantt chart bar]														
GS2194	Erect column SL	2	15-Jul-13 A	07-Sep-13	[Gantt chart bar]														
G64																			
GS2250	Footing for FL (between NB14 bay 2 &3)	20	22-Jun-13 A	30-Jul-13 A	[Gantt chart bar]														
GS2255	Erect column (FL)	4	20-Aug-13	23-Aug-13	[Gantt chart bar]														
Stage 1: Southbound Work- Ret. Wall, Noise B, Rd																			
NLKR - Bridge Deck + Noise Barrier																			
Bridge Deck																			
S4-N01355	Wing Wall construction	63	02-Jul-13 A	07-Sep-13	[Gantt chart bar]														



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Activity ID	Activity Name	Original Durat...	Start	Finish	2013														
					August					September				October				November	
					21	28	04	11	18	25	01	08	15	22	29	06	13	20	27
S4-N100900	NLKRB Complete	0		07-Sep-13							◆ NLKRB Complete								
S4-N01365	NB footing besides Retaining wall	12	09-Sep-13	23-Sep-13							■ NB footing besides Retaining wall								
S4-N01375	Noise barrier Post	3	06-Nov-13	08-Nov-13															■ Noise
S4-N01385	Noise barrier panel	3	09-Nov-13	12-Nov-13															■ No
RW W4-W7+Slope S7+NB15, NB12+Slip Rd L																			
Noise Barrier NB12																			
S4-208120	NB12 NB Panels	454	01-Feb-12 A	13-Sep-13							■ NB12 NB Panels								
Cut Slope S6 and Slip Rd L																			
S1-203065A	Cut slope S6 - excavation	403	01-Feb-12 A	30-Aug-13							■ Cut slope S6 - excavation								
S1-203065B	Cut slope S6 - drainage/U-channels	6	31-Aug-13	06-Sep-13							■ Cut slope S6 - drainage/U-channels								
Retaining Wall W7																			
S4-035070A	Retaining Wall W7, excav + base slab + wall stem	37	20-Jul-13 A	31-Aug-13							■ Retaining Wall W7, excav + base slab + wall ste								
S4-035070B	Retaining Wall W7, backfill (assumed rockfill as VO No. 90)	68	02-Sep-13	22-Nov-13							■ Retaining Wall W7, backfill (assumed rockfill as VO No. 90)								
SB: CH500-1100, Road&Drain+Utilities																			
TCSS Works/Other Utilities																			
S4-031160	Power supply cable ducts	12	20-Aug-13	02-Sep-13							■ Power supply cable ducts								
S4-512850	Civil prov. works (CPW)- TCSS Pillar Box C	12	20-Aug-13	02-Sep-13							■ Civil prov. works (CPW)- TCSS Pillar Box C								
S4-512880	Utilities+ TCSS + CPW- SC 63/S63	24	03-Sep-13	02-Oct-13							■ Utilities+ TCSS + CPW- SC 63/S63								
Road Lighting/ or High Mast																			
S4-031178A10	Public Lighting - cabling works	18	20-Aug-13	09-Sep-13							■ Public Lighting - cabling works								
S4-031178A	Public Lighting - cabling works	6	24-Aug-13	30-Aug-13							■ Public Lighting - cabling works								
S4-031178	Public lighting - Lamp Pole + Lamps	12	31-Aug-13	13-Sep-13							■ Public lighting - Lamp Pole + Lamps								
S4-512930	Public lighting - Lamp Pole + Lamps	18	10-Sep-13	02-Oct-13							■ Public lighting - Lamp Pole + Lamps								
S4-031178B	Public Lighting - power supply connection & test	6	14-Sep-13	21-Sep-13							■ Public Lighting - power supply conn								
S4-031178B10	Public Lighting - power supply connection & test	18	18-Sep-13	10-Oct-13							■ Public Lighting - power								
Roadworks																			
S4-512900	Roadworks- subbase + subsoil drain + gully connect	48	20-Jun-13 A	30-Aug-13							■ Roadworks- subbase + subsoil drain + gully conn								
S4-512910	Roadworks - base course to friction course	12	31-Aug-13	13-Sep-13							■ Roadworks - base course to friction cour								
S4-512920	Roadworks - road marking + furnitures	12	14-Sep-13	28-Sep-13							■ Roadworks - road marking + fu								
S4-031185	Implement TTA - Divert to completed southbound (RW 8 Bay 1 - Bay 10)	5	30-Sep-13	05-Oct-13							■ Implement TTA - Divert to								
Stage 3: Central Median - Ret. Wall, Noise B, Rd																			
Noise Barrier NB10, NB14, NB17 Foundation Works																			
Noise Barrier NB10																			
S4-203182	NB10 (14-16 bays) Footing & wall stem	42	04-Jun-13 A	25-Jul-13 A							■ NB10 (14-16 bays) Footing & wall stem								
S4-203194	NB10 (5,6 bays) excavation & footing & wall stem	30	11-Jul-13 A	11-Sep-13							■ NB10 (5,6 bays) excavation & footing & w								
S4-203170B30	NB10 (7-13 bays) Steel Column & NB Panel	30	18-Jul-13 A	13-Aug-13 A							■ NB10 (7-13 bays) Steel Column & NB Panel								
S4-203170B35	Drainage & Roadwork for NB10 area (Bays 7-13)	24	01-Aug-13 A	10-Sep-13							■ Drainage & Roadwork for NB10 area (Bay								
S4-203202	Drainage & Roadwork for NB10 area (5,6,14-16 bays)	16	20-Aug-13	06-Sep-13							■ Drainage & Roadwork for NB10 area (5,6,14-								
S4-203192	NB10 (14-16 bays) Steel Column & NB Panel	30	07-Sep-13	15-Oct-13							■ NB10 (14-16 bays) S								
S4-203195	NB10 (5,6 bays) Steel Column & NB Panel	14	26-Oct-13	11-Nov-13							■ NB								
Noise Barrier NB14																			
S4-203170B50	NB14 (bay 1-8) Footing & wall stem	37	19-Jun-13 A	10-Sep-13							■ NB14 (bay 1-8) Footing & wall stem								
S4-203170B55	NB14 (bay 1-8) Backfilling	3	11-Sep-13	13-Sep-13							■ NB14 (bay 1-8) Backfilling								
S4-203170B60	NB14 (bay 1-8) Steel Column & NB Panel	30	29-Oct-13	02-Dec-13							■ NB14 (bay 1-8) Steel Column & NB Panel								
Noise Barrier NB17																			
S4-203170B120	NB17 (Bay 9-20) Steel Column & NB Panel	39	08-May-13 A	31-Jul-13 A							■ NB17 (Bay 9-20) Steel Column & NB Panel								
S4-203170B080	NB17 (Bay 1-8) Footing & wall stem	60	01-Jun-13 A	07-Sep-13							■ NB17 (Bay 1-8) Footing & wall stem								
S4-203170B085	NB17 (Bay 1-8) Backfilling	15	19-Aug-13 A	10-Sep-13							■ NB17 (Bay 1-8) Backfilling								
S4-203170B150	NB17 (Bay 21-26) Steel Column & NB Panel	12	27-Aug-13	09-Sep-13							■ NB17 (Bay 21-26) Steel Column & NB Pane								
S4-203170B090	NB17 (Bay 1-8) Steel Column & NB Panel	30	26-Oct-13	29-Nov-13							■ NB17 (Bay 1-8) Steel Column & NB Panel								
CM: CH500-1100, Road&Drain+Utilities																			
Road Drainage																			
S4-208285	Road Drainage - pipelaying + manhole	30	01-Aug-13 A	18-Sep-13							■ Road Drainage - pipelaying + manh								
Firemain																			
S4-208295	Firemain- excav, pipe install + pit/new hydrants	36	01-Aug-13 A	26-Sep-13							■ Firemain- excav, pipe install + pi								
TCSS Works/Other Utilities																			
S4-208305	Power supply cable ducts	36	14-Aug-13 A	26-Sep-13							■ Power supply cable ducts								
S4-208300	Utilities+TCSS buried ducts + civil prov. works	48	16-Aug-13 A	12-Oct-13							■ Utilities+TCSS buried								
Road Lighting/ or High Mast																			
S4-208325A	Public Lighting - cabling works	18	20-Aug-13	09-Sep-13							■ Public Lighting - cabling works								
S4-208325	Public lighting - Lamp Pole + Lamps	24	22-Oct-13	18-Nov-13							■ Public lighting - Lamp Pole + Lamps								



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Activity ID	Activity Name	Original Durat...	Start	Finish	2013																		
					August					September				October				November					
					21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	
GS1970	Erect Gantry Beam	1	21-Sep-13	21-Sep-13																			
G61																							
GS2080	Erect Column SL/FL	4	05-Aug-13 A	10-Aug-13 A																			
GS2090	Erect Gantry Beam	1	14-Sep-13*	14-Sep-13																			
G62																							
GS2135	Erect Column SL/FL	4	13-Aug-13 A	23-Aug-13																			
GS2140	Erect Gantry Beam	4	23-Sep-13	26-Sep-13																			
TCSS E&M Works & Handover																							
S4-0512765	Cabling works for Utilities/TCSS/Lighting	24	17-Sep-13	17-Oct-13																			
S4-0512780	T&C - power supply system to TCSS/Lighting	36	24-Sep-13	06-Nov-13																			
S4-0512785	Handover to TCSS Contractor	0		06-Nov-13																			
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	24-Sep-13																			
S4-031130D	Fill Slope S13- metal works + hand rails etc.	236	15-Aug-12 A	24-Sep-13																			
Stage 2 - Slip Rd L, Ret. Wall W11, W12																							
Slip Rd P																							
S4-208231	Slip Rd P- road reconstruction, Stage 2	265	13-Jul-12 A	28-Sep-13																			
SB: CH1260-1600, L=410m, Road&Drain+Utilities																							
Road Lighting/ or High Mast																							
S4-050785A	Public Lighting - cabling works	290	20-Jun-12 A	18-Sep-13																			
S4-050785B	Public Lighting - power supply connection & test	18	29-Aug-13	18-Sep-13																			
Roadworks																							
S4-0507845	Roadworks - base course to friction course	219	31-Aug-12 A	13-Sep-13																			
S4-0507850	Roadworks - road marking + furnitures	244	31-Aug-12 A	30-Sep-13																			
S4-0507865	Complete (divert SB traffic to RW10, B11A, RW8 area)	0	02-Oct-13																				
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	14-Sep-13																			
Road Lighting/ or High Mast																							
S4-051273A	Public Lighting - cabling works	91	20-Feb-13 A	30-Sep-13																			
S4-0512730	Public lighting - Lamp Pole + Lamps	23	06-Aug-13 A	30-Sep-13																			
S4-051273B	Public Lighting - power supply connection & test	12	16-Sep-13	30-Sep-13																			
Roadworks																							
S4-0512720	Roadworks - base course to friction course	106	18-Feb-13 A	30-Sep-13																			
S4-0512725	Roadworks - road marking + furnitures	18	25-Sep-13	17-Oct-13																			
S4-0512740	Road Works completed	0	17-Oct-13																				
Noise Barrier Structural Steel & Panels																							
S4-208200	NB20 & NB23 NB Panels	160	15-Dec-12 A	03-Oct-13																			
W20A + Slope S20																							
Cut Slope S20A																							
S4-03120AA	Cut Slope S20A - excavation	24	30-Sep-13	29-Oct-13																			
S4-03120AB	Cut Slope S20A - drainage/channels	10	30-Oct-13	09-Nov-13																			
Retaining Wall W20A																							
S4-03520BA	Ret. Wall W20A temp works + excav	59	18-Mar-13 A	15-Aug-13 A																			
S4-03520BB	Ret. Wall W20A wall stem + backfill/Roadworks	60	01-Aug-13 A	28-Sep-13																			
Stage 2: Northbound Work- Ret. Wall, Noise B, Rd																							
Modification of Existing Bridge No. 10 + Noise B																							
Bridge Roadworks & Furnitures																							
S4-194887	Modify Coping (2nd half to west end)	90	20-May-13 A	09-Oct-13																			
S4-194870	Modify Coping (1st half from east end)-after W20A complete	80	30-Sep-13	04-Jan-14																			
Modification of Existing Bridge No.11 + Noise B																							
Bridge Roadworks & Furnitures																							
S4-195890	MJ & Road Surfacing	93	25-Jan-13 A	22-Aug-13																			
S4-195845	Remove Road Surface & Preparation work	25	03-Jun-13 A	15-Aug-13 A																			
S4-195850	Stitching Beam & Decking	76	16-Aug-13 A	30-Oct-13																			
S4-195895	Road Surfacing & Furnitures after stitching	12	31-Oct-13	13-Nov-13																			
S4-195910	Install Noise barrier panel	7	31-Oct-13	07-Nov-13																			
S4-195900	Bridge No. 11 Modification Completion	0		13-Nov-13																			
Remaining Work after Road opening																							



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					August					September				October				November		
					21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03
S4-1958211	Greening works (Pending for VO of Deletion)	60	14-Nov-13	24-Jan-14																
RW W9, Slope S9, & Noise Barrier NB19, NB22																				
Noise Barrier NB19																				
S4-203190B	NB19 footings, 1-21 bays - temp work + excav+footing + wall stem	231	20-Sep-12 A	20-Aug-13 A																
S4-203190	NB19, 22-31 bays Footing + Wall stem [Pile cap, Plinth DELETED]	189	12-Nov-12 A	30-Sep-13																
S4-207190A	NB19 Structural Steel, 21 bays	24	05-Oct-13	02-Nov-13																
S4-208190A	NB19 NB Panels, 21 bays	18	04-Nov-13	23-Nov-13																
S4-207190	NB19 Structural Steel, 10 bays	24	16-Nov-13	13-Dec-13																
Noise Barrier NB22																				
S4-207220	NB22 Structural Steel	24	28-Aug-13	25-Sep-13																
S4-208220	NB22 NB Panels	24	14-Sep-13	15-Oct-13																
Fill Slope S9																				
S4-031095A	Fill Slope S9- backfilling	24	16-Sep-13	16-Oct-13																
S4-031095B	Fill Slope S9 - drainage	12	09-Oct-13	23-Oct-13																
NB: CH1260-1750, L=410m, Road&Drain+Utilities																				
Road Drainage																				
S4-0512620	Road Drainage - pipelaying + manhole	48	01-Aug-13 A	17-Oct-13																
Firemain																				
S4-0512630	Firemain- excav, pipe install+pit/new hydrants	24	17-Sep-13	17-Oct-13																
S4-0512632	Fire Hydrant Relocation - 3769	24	17-Sep-13	17-Oct-13																
TCSS Works/Other Utilities																				
S4-0512627	TCSS High mast M7/S117 - footing	24	17-Sep-13	17-Oct-13																
S4-0512635	Utilities +TCSS buried ducts + civil prov. works	24	17-Sep-13	17-Oct-13																
S4-0512640	Power supply cable ducts	24	17-Sep-13	17-Oct-13																
S4-0512623	Civil prov. works (CPW)- TCSS Pillar Box D	18	25-Sep-13	17-Oct-13																
Road Lighting/ or High Mast																				
S4-051266A	Public Lighting - cabling works	18	20-Aug-13	09-Sep-13																
S4-0512660	Public lighting - Lamp Pole + Lamps	24	17-Sep-13	17-Oct-13																
S4-051266B	Public Lighting - power supply connection & test	12	18-Oct-13	31-Oct-13																
Roadworks																				
S4-0512645	Roadworks +Slip Road N- Resurfacing	26	18-Oct-13	16-Nov-13																
S4-0512655	Roadworks +Slip Road N- road marking + furnitures	6	18-Nov-13	23-Nov-13																
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	30-Sep-13																
SB Road & Drain, Ch 2000-2200, L=200m																				
TCSS Works/Other Utilities																				
S2-031290	Utilities +TCSS buried ducts + civil prov. works	277	25-Jul-12 A	14-Sep-13																
S2-031295	Power supply cable ducts	277	25-Jul-12 A	14-Sep-13																
Cut Slope S14																				
S2-031140E10	Slope S14 - Soil nail & remaining drainage work	61	10-Jun-13 A	30-Sep-13																
Stage 1B: Northbound- S15-S19, RW31-33, Rd/Dr																				
Retaining Wall W30, W31, W32(Piled), W33																				
Retaining Wall W31,32, 33																				
S2-035325C10	RW W31,W32,33 - wall stem + backfill (5 months)	161	18-Mar-13 A	15-Oct-13																
S2-GCL026	Southbound Stage 7A - GCL's earliest interfacing work completion date	0		16-Sep-13*																
Stage 2A: Southbound- S17, RW 29-34, NB27-29																				
Noise Barrier NB27, NB29																				
Noise Barrier NB29																				
S2-035350	NB29 NB Panels	7	16-Sep-13	24-Sep-13																
Retaining Wall, W29 & NB27(@W29)																				
Retaining Wall W29A																				
S2-03529AB	RW W29A facing panel structure (bay 1)	30	20-Aug-13	24-Sep-13																
SB: CH2200-2400, L=200m, Road&Drain+Utilities																				
Road Drainage																				
S2-031250	W29A bay 1 road drainage after GCL TTA stage 6A	14	25-Sep-13	12-Oct-13																
TCSS Works/Other Utilities																				
S2-031287	TCSS S160 (VDS) - footing	23	14-Sep-13*	14-Oct-13																
Roadworks																				
S2-031255	W29A bay 1 road work after GCL TTA stage 6A	14	14-Oct-13	29-Oct-13																
S2-031265	Remaining roadwork to final pavement level after GCL TTA stage 6A	6	30-Oct-13	05-Nov-13																



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Activity ID	Activity Name	Original Durat...	Start	Finish	2013													
					August					September				October				November
					21	28	04	11	18	25	01	08	15	22	29	06	13	20
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	03-Oct-13	NB26 NB Structural Steel													
S2-208310	NB26 NB Panels	12	04-Oct-13	18-Oct-13	NB26 NB Panels													
S2-208395	Implement TTA- divert traffic to new SB, NB & CM	0	22-Oct-13		◆ Implement TTA-													
Stage 2B: Northbound- NB25																		
Noise Barrier NB25																		
S4-203250	NB25 NB Footing and plinth, 3 & 4 mW x 60mL	118	01-Feb-13 A	31-Aug-13	NB25 NB Footing and plinth, 3 & 4 mW x 60mL													
S4-207250	NB25 Structural Steel	3	16-Oct-13	18-Oct-13	■ NB25 Structural Steel													
S4-208250	NB25 NB Panels	3	19-Oct-13	22-Oct-13	■ NB25 NB Panel													
TCSS Works																		
New Sign Gantry Construction																		
G23																		
GS2020	Erect Column SL/FL	4	14-Sep-13*	18-Sep-13	■ Erect Column SL/FL													
GS2030	Erect Gantry Beam	1	20-Sep-13	20-Sep-13	■ Erect Gantry Beam													
TCSS E&M Works & Handover																		
S2-208420	Lighting & T&C	24	21-Sep-13	21-Oct-13	■ Lighting & T&C													
S2-208450	T&C - power supply system to TCSS	24	21-Sep-13	21-Oct-13	■ T&C - power supply													
S2-208425	Handover to TCSS Contractor	0		21-Oct-13	◆ Handover to TCSS													
Z6: TCSS IN PORTION SA11: SECT. 4 WORKS																		
TCSS Works																		
New Sign Gantry Construction																		
G12																		
GS1600	Erect Gantry Beam	7	20-Aug-13*	27-Aug-13	■ Erect Gantry Beam													
G14 (Outside Site Boundary)																		
GS1645	Shifting of traffic lane	26	20-Aug-13	18-Sep-13	■ Shifting of traffic lane													
GS1650	Footing for FL	52	20-Sep-13	21-Nov-13	■ Footing for FL													
G65																		
GS2300	Erection of gantry column (SL/FL)	52	20-Aug-13	22-Oct-13	■ Erection of gantry column													
GS2320	Erect Gantry Beam	4	23-Oct-13	26-Oct-13	■ Erect Gantry Beam													
Existing Sign Gantry Modification																		
G16																		
GS2490	Carry out Sign Gantry modification (LCS, TCSS etc)	52	25-Jul-13 A	30-Sep-13	■ Carry out Sign Gantry modification													
G17																		
GS2570	Carry out Sign Gantry modification (LCS, TCSS etc)	52	25-Jul-13 A	30-Sep-13	■ Carry out Sign Gantry modification													
G66 (Substantial Modification Works of Sign Gantries)																		
GS2730	Carry out Sign Gantry modification (LCS, TCSS etc)	43	02-Oct-13	21-Nov-13	■ Carry out Sign Gantry modification													
G68																		
GS2890	Carry out Sign Gantry modification (LCS, TCSS etc)	52	18-Jun-13 A	05-Nov-13	■ Carry out Sign Gantry modification													
G70																		
GS2970	Carry out Sign Gantry modification (LCS, TCSS etc)	52	18-Jun-13 A	05-Nov-13	■ Carry out Sign Gantry modification													
VO214, 223, 227 - Ground Works & Ducts Works for TCSS (Outside Site Boundary)																		
VO214 -Outside site Boundary- Install UPVC Ducts for TCSS Works-Road Side Work																		
GS3570	Road Side Works - SK1258 - G66	20	01-May-13 A	26-Aug-13	■ Road Side Works - SK1258 - G66													
GS3490	Road Side Works - SK1252, SK1253 - G11 LHS (Case 113/111-112)	26	20-Aug-13	18-Sep-13	■ Road Side Works - SK1252, SK1253													
GS3530	Cycle Track G73 - G74 Sk1253	26	20-Sep-13	22-Oct-13	■ Cycle Track G73													
VO214 -Outside site Boundary- Install UPVC Ducts for TCSS Works-Cross Road Work																		
GS3610	(Pending for VO for cancellation)Cross Road Ducts - SK1253 - P12 LHS	30	20-Aug-13	24-Sep-13	■ (Pending for VO for cancellation)													
GS3620	(Pending for VO for cancellation)Cross Road Ducts - SK1253 - P12 RHS (Case 113/111-112)	30	25-Sep-13	31-Oct-13	■ (Pending for VO for cancellation)													
GS3630	(Pending for VO for cancellation)Cross Road Ducts - SK1256 - P59 LHS (Case 113/301)	30	01-Nov-13	05-Dec-13	■ (Pending for VO for cancellation)													
SI-40 - 7 Nos of Trial Pits for P11, P12, S107 and P59																		
GS3680	Trial Pits for P11, P12, S107 and P59	30	20-Aug-13	24-Sep-13	■ Trial Pits for P11, P12, S107 and P59													



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 Aug 2013 to 20 Nov 2013

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013					2014					
							Q3			Q4		Q1					
							41	42	43	44	45	46	47	48	49	50	
HY/2009/08 TOLO HIGHWAY WIDENING, External July [20130726 CRE submission]																	
EXECUTIVE SUMMARY																	
Design																	
A1330	Alternative Design		100%	292	29-Mar-10 A	14-Jan-11 A											
Construction																	
Section 1																	
A1000	SA21 - North Bound	-69	93.34%	959	15-Oct-10 A	27-Sep-13	SA21 - North Bound										
A1010	SA21 - South Bound	-75	91.4%	814	15-Oct-10 A	03-Oct-13	SA21 - South Bound										
A1020	SA21 - Middle Lane	-120	58.09%	275	08-May-12 A	18-Nov-13	SA21 - Middle Lane										
Section 2																	
A1030	SA22 - North Bound	-6	90.92%	1016	26-Feb-10 A	26-Oct-13	SA22 - North Bound										
A1040	SA22 - South Bound	-73	84.67%	1037	01-Apr-10 A	31-Dec-13	SA22 - South Bound										
A1060	SA23 - South Bound	-47	65.75%	388	28-Dec-11 A	05-Dec-13	SA23 - South Bound										
A1070	SA24 - North Bound	-47	83.1%	787	25-Aug-10 A	05-Dec-13	SA24 - North Bound										
A1080	SA25 - South Bound	-41	87.77%	777	20-Oct-10 A	28-Oct-13	SA25 - South Bound										
A1090	SA26 - North Bound	-73	86.92%	1216	26-Feb-10 A	31-Dec-13	SA26 - North Bound										
A1100	SA26 - South Bound	-57	88.22%	1216	26-Feb-10 A	16-Dec-13	SA26 - South Bound										
Section 3																	
A1110	SA26A - North Bound	-22	86.8%	1191	26-Feb-10 A	30-Dec-13	SA26A - North Bound										
A1120	SA26A - South Bound	40	89.19%	879	26-Feb-10 A	28-Oct-13	SA26A - South Bound										
A1130	SA26A - North & South Bound	17	99.35%	612	26-Feb-11 A	29-Jul-13	SA26A - North & South Bound										
A1140	SA27 - South Bound	17	85.71%	826	27-Mar-10 A	20-Nov-13	SA27 - South Bound										
Section 4																	
A1150	SA28 - North Bound	-12	85.49%	1216	26-Feb-10 A	18-Jan-14	SA28 - North Bound										
A1160	SA28 - South Bound	-7	84.35%	1099	23-Jun-10 A	13-Jan-14	SA28 - South Bound										
A1170	SA29 - North Bound	-7	81.06%	909	26-Jan-11 A	14-Jan-14	SA29 - North Bound										
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											
Section 7																	
A1200	SA41 - Site Office	-327	58.07%	1581	26-Feb-10 A	19-May-15											
A1210	SA42 - Temporary Contractor's Works Area	0	78.82%	1582	25-Feb-10 A	25-Jun-14											
Section 17 (Subject to Excision, Engineer may instruct within 819 days)																	
A1300	Validity Period	319	97.9%	819	25-Feb-10 A	12-Aug-13	Validity Period										
A1310	SA28 - North Bound	318	47.65%	34	24-May-12 A	12-Aug-13	SA28 - North Bound										
A1320	SA30A - North Bound	318	88.52%	155	14-May-12 A	12-Aug-13	SA30A - North Bound										
KEY DATES/ MILESTONES																	
Portion Handover Dates																	
Section 1 (Site Area SA21)																	

Project ID: J3318-UPDATE 2013JUL-2
 Project Name: HY/2009/08 TOLO HIGHWAY WIDENING...
 Print Date: 07-Aug-13
 Data Date: 26-Jul-13
 Page 1 of 45

- Current Bar
- Level of Effort
- Critical
- Milestone

Highways Department - Contract No. HY/2009/08

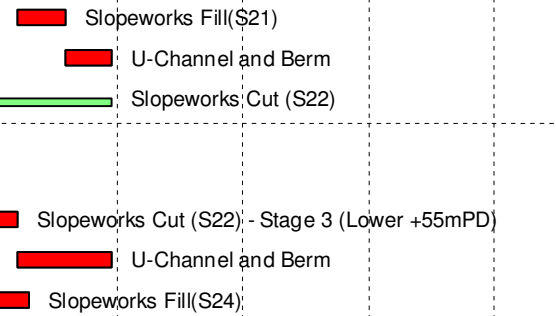
Widening of Tolo Highway/ Fanling Highway
Stage 1 - Between Ma Wo and Tai Hang

Updated Works Programme, 26 July 2013

UWP Revision			
Date	Revision	Checked	Approved
26-Jul-13	UWP July, 2013	WY	JC

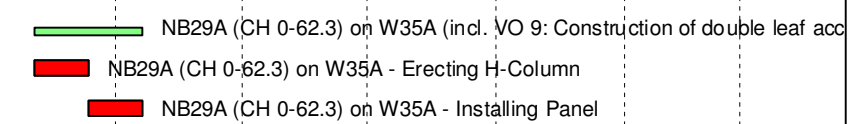
Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013					2014								
							Q3			Q4		Q1								
							41	42	43	44	45	46	47	48	49	50				
VO000830	VO. 83: Stormwater Drainage System MN18.1 to MN18.11 in Front of Reta...		100%	0	08-Feb-13 A															
VO000840	VO. 84: Removal and Storage of Remaining Parts of Existing Speed Enfor...		100%	0	08-Feb-13 A															
VO000860	VO. 86: Provision of Verge Tubular Railing Adjacent to Retaining Wall W67		100%	0	12-Apr-13 A															
VO000870	VO. 87: Existing Retaining Wall at Tai Po Tai Wo Road - Modification Works		100%	0	19-Apr-13 A															
VO000880	VO. 88: Additional Hospital Sign Plate for Existing Directional Signs DSX01...		100%	0	10-May-13 A															
VO000890	VO. 89: Change of Material of Southern Trunk Sewer Pipes between manh...		100%	0	10-May-13 A															
VO000900	VO. 90: Revised Southern Trunk Sewer Details		100%	0	10-May-13 A															
VO000910	VO. 91: Nosing Details at South Abutment of Bridge 13A - Modification Wo...		100%	0	02-Jul-13 A															
VO000920	VO. 92: Revised Noise Barrier Footing fro NB30 Bay 1		100%	0	14-Jun-13 A															
VO000930	VO. 93: Irrigation System for the Shrub Planting Area Adjacent to Fanling ...		100%	0	13-Jun-13 A															
VO000940	VO. 94: Irrigation System for the Shrub Planting Area Adjacent to Lam Ka...		100%	0	11-Jun-13 A															
VO000950	VO. 95: Revised Sign Gantry G101 Details		100%	0	07-Jun-13 A															
VO000970	VO. 97: Provision of Stormwater Drainage System for the Wai Tau Tsuen ...		100%	0	13-Jun-13 A															
VO000980	VO. 98: Revised Sign Gantry G101 Sign Face DS T8(B) Details		100%	0	11-Jun-13 A															
VO000990	VO. 99: Revised Sign Gantry G59 Details		100%	0	11-Jun-13 A															
VO001000	VO. 100: Revised Sign Gantry G58 Details		100%	0	11-Jun-13 A															
VO001010	VO. 101: Existing Bridges 12&13 - Revised Detail of the Strengthening Bea...		100%	0	02-Jul-13 A															
VO001030	VO. 103: Parapet Wall PW1 - Revised Drainage and Miscellaneous Details		100%	0	03-Jul-13 A															
VO001040	VO. 104: Revised Alignment and Layout of Noise Barrier NB38		100%	0	26-Jun-13 A															
VO001050	VO. 105: Additional Precast Concrete Cover for Catchpit No. CP1.1		100%	0	02-Jul-13 A															
VO001060	VO. 106: Revised Details fo Retaining Wall No. W71 and Slope S43 at CH...		100%	0	02-Jul-13 A															
VO001070	VO. 107: Revised Alignment of U-Channel at Interface of Retaining Wall W...		100%	0	02-Jul-13 A															
VO001080	VO. 108: Revision for Proposed Cut Slope S31A		100%	0	11-Jul-13 A															
VO001090	VO. 109: Revision for Proposed Cut Slope S45		100%	0	19-Jul-13 A															
Milestones of Temporary Traffic Arrangement																				
TTA000	TTA Stage 0 - Divert the traffic to new Slip Road J & K		100%	0	07-Oct-12 A															
TTA010	TTA Stage 1 - divert the traffic to new bridge 18a		100%	0	23-Jun-13 A															
TTA050	TTA Stage 5 - Full enclosure of Tai Wo Road (CH3350 - CH3540)		100%	0	27-Sep-12 A															
TTA060	TTA Stage 6 - Open the new Northbound but reserve one lane & close the ...		100%	0	25-Feb-12 A															
TTA070	TTA Stage 7 - Close the existing southbound and temporary divert the traffi...		100%	0	25-Feb-12 A															
TTA090	TTA Stage 9 - NLK Open the new Northbound but reserve one lane & clos...	-11	0%	0	03-Aug-13															
TTA110	TTA Stage 11 - Open the new LB2 and link up the LB1 & LB3	39	0%	0	31-Aug-13															
TTA310	TTA Stage 5A-1 Diversion the traffic to B13A and B15A		100%	0	23-Jun-13 A															
TTA320	TTA Stage 4B-1 Diversion the traffic to (CH2600 - CH3000) N/B		100%	0	05-May-13 A															
TTA330	TTA Shift Lane for C1/C2 interface Final Stage (N/B)	-38	0%	0	04-Sep-13															
TTA340	TTA Shift Lane for C1/C2 interface Final Stage (S/B)	-58	0%	0	28-Sep-13															
TTA350	TTA Shift Lane for C2/C3 interface at TWSRW Road (Transition)	117	0%	0	16-Aug-13															
TTA360	TTA Shift Lane for C2/C3 interface (N/B)	85	0%	0	24-Sep-13															
TTA370	TTA Shift Lane for C2/C3 interface (S/B)	6	0%	0	30-Dec-13															
Section 1																				
Site Area SA21																				
PHSA2120	Possession of SA21 (Day141)		100%	0	16-Jul-10 A															
SA210000	Site Area SA21 Works Period	244	91.43%	1076	16-Jul-10 A	26-Oct-13														Site Area SA21 Works Period
SA210010	Site Area SA21 Works Completion	244	0%	0		26-Oct-13														Site Area SA21 Works Completion
SA210020	Temporary Traffic Management (Detail shall refer to supplementary inform...	197	91.26%	872	16-Jul-10 A	26-Oct-13														Temporary Traffic Management (Detail shall refer to supplementa
SA210030	Overall Utilities Diversion (Detail shall refer to supplementary information)	197	91.26%	872	16-Jul-10 A	26-Oct-13														Overall Utilities Diversion (Detail shall refer to supplementary info
North Bound																				

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013							2014					
							Q3			Q4				Q1					
							41	42	43	44	45	46	47	48	49	50			
Preliminaries																			
S21N0000	Site Clearance/Access Rd & acquisition of Sub-con		100%	63	15-Oct-10 A	30-Dec-10 A													
Slopeworks																			
S21N5000	Slopeworks Fill(S21)	-50	0%	10	07-Aug-13	19-Aug-13													
S21N5010	U-Channel and Berm	-35	0%	10	19-Aug-13	30-Aug-13													
S21N5100	Slopeworks Cut (S22)	-35	88.42%	266	17-Feb-11 A	30-Aug-13													
S21N5110	Slopeworks Cut (S22) - Stage 1 (Upper +59mPD)		100%	72	17-Feb-11 A	20-May-11 A													
S21N5120	Slopeworks Cut (S22) - Stage 2 (Middle +57mPD)		100%	72	26-Oct-11 A	20-Jan-12 A													
S21N5130	Slopeworks Cut (S22) - Stage 3 (Lower +55mPD)	-50	85%	72	28-May-12 A	07-Aug-13													
S21N5140	U-Channel and Berm	-35	0%	20	07-Aug-13	30-Aug-13													
S21N5210	Slopeworks Fill(S24)	-58	75%	55	14-Jan-13 A	10-Aug-13													
Extension of Culverts																			
S21N1000	Extension of Box Culvert (N581)		100%	148	08-Nov-10 A	21-Mar-11 A													
S21N1010	Temporary Water Diversion		100%	23	08-Nov-10 A	11-Dec-10 A													
S21N1020	Construction of Base Slab		100%	75	13-Dec-10 A	02-Mar-11 A													
S21N1030	Construction of Wall Stem		100%	50	13-Dec-10 A	21-Mar-11 A													
S21N1040	Construction of Top Slab		100%	45	19-Jan-11 A	21-Mar-11 A													
S21N1050	Extension of Box Culvert (TP9), Upstream (CSD 3) (incl. VO.22)		100%	0	26-Mar-11 A	31-Dec-11 A													
S21N1060	Temporary Water Diversion		100%	16	26-Mar-11 A	15-Apr-11 A													
S21N1070	Construction of Base Slab		100%	75	30-Mar-11 A	05-Jul-11 A													
S21N1080	Construction of Wall Stem		100%	72	01-Jul-11 A	31-Dec-11 A													
S21N1090	Construction of Top Slab		100%	0	01-Dec-11 A	31-Dec-11 A													
Construction of Retaining Wall																			
Retaining Wall W35																			
S21N2000	Sheet Pile/Excavate & Construct W35		100%	53	26-Mar-11 A	02-Jun-11 A													
S21N2010	Opencut excavation		100%	18	26-Mar-11 A	16-Apr-11 A													
S21N2020	Construction of W35 Structure		100%	30	26-May-11 A	18-Jun-11 A													
S21N2030	Backfilling		100%	14	26-Jul-11 A	10-Aug-11 A													
Retaining Wall W36																			
S21N2100	Sheet Pile/Excavate & Construct W36		100%	85	11-Aug-11 A	23-Apr-12 A													
S21N2110	Opencut excavation		100%	12	11-Aug-11 A	24-Aug-11 A													
S21N2120	Construction of W36 Structure		100%	50	19-Sep-11 A	23-Apr-12 A													
S21N2130	Backfilling		100%	0	06-Feb-12 A	18-Feb-12 A													
S21N2140	Backfilling behind W36 and drainage works	-39	50%	70	04-Mar-13 A	04-Sep-13													
Retaining Wall W38 (AD4)																			
S21N2210	Pre-drilling		100%	24	26-Feb-11 A	25-Mar-11 A													
S21N2220	Prepare Piling Platform for W38		100%	30	26-Feb-11 A	01-Apr-11 A													
S21N2225	COD: Mobilization of 1 no. rig from W56B to W38 for piling work		100%	60	14-Mar-11 A	27-Jun-11 A													
S21N2230	Pile for W38 (2 rig)		100%	141	26-Mar-11 A	22-Jun-11 A													
S21N2231	Installation of Piles - Stage 1 (CH2470-2545)		100%	69	26-Mar-11 A	22-Jun-11 A													
S21N2232	Installation of Piles - Stage 2 (Remain)		100%	72	12-Apr-11 A	22-Jun-11 A													
S21N2240	Retaining Wall & Drainage W38		100%	230	27-Jun-11 A	24-Dec-12 A													
S21N2242	Excavation to +54.5mPD		100%	60	27-Jun-11 A	05-Sep-11 A													
S21N2244	Excavation to formation		100%	60	26-Sep-11 A	06-Dec-11 A													
S21N2250	Construction of Base & Wall - Stage 1 (CH2470 - 2520)		100%	75	07-Dec-11 A	31-Jan-12 A													
S21N2252	Backfilling to road formation - Stage 1 (CH2470 - 2520)		100%	50	21-Jan-12 A	18-Feb-12 A													
S21N2254	Construction of Base & Wall - Stage 2 (Ch2520 - 2600)		100%	75	20-Feb-12 A	29-Sep-12 A													
S21N2256	Backfilling to formation level - Stage 2 (CH2520 - 2600)		100%	30	01-Oct-12 A	24-Dec-12 A													



Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013										2014		
							Q3			Q4			Q1						
							41	42	43	44	45	46	47	48	49	50			
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	NB31: Drainage details at W48												
S21N4130	Utilities (incl. VO 26: Permanent Diversion of existing DN80 WSD Watermain at Ma WO Sub)	-28	5%	25	08-Jul-13 A	22-Aug-13	Utilities (incl. VO 26: Permanent Diversion of existing DN80 WSD Watermain at Ma WO Sub)												
S21N4135	Road Surface (Stage 1: CH2400 - CH2520)		100%	75	26-Dec-11 A	24-Feb-12 A													
S21N4140	Road Surface (Stage 2 : CH2520 - CH2840)	-99	65%	75	08-Jan-13 A	26-Aug-13	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	-38	5%	36	08-Jul-13 A	04-Sep-13	Road Construction Works for C1/ C2 Interface Final stage												
S21N4150	Shift lane for C1/ C2 Interface (Stage 1)		100%	0	27-Feb-12 A														
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	-38	0%	0	04-Sep-13		◆ 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													
S21N3060	NB31 : Excavation and Footing (Bay 1-4)		100%	24	07-Nov-12 A	05-Jan-13 A													
S21N3070	NB31 : Excavation and Footing (Bay 5 - 7)		100%	24	01-Dec-12 A	08-Jan-13 A													
S21N3080	NB31 : Erecting H-Column		100%	18	02-Jan-13 A	10-Jan-13 A													
S21N3090	NB31 (CH 90-183.6) : Installation Panel		100%	18	11-Jan-13 A	17-Jan-13 A													
S21N3100	Remaining NB31 Installation of Panel	-11	0%	7	26-Jul-13	02-Aug-13	Remaining NB31 Installation of Panel												
Traffic Control & Surveillance System																			
S21N4800	TCSS (Gantry G23A) (incl. VO73 Revised Sign Gantry Details)	-12	85%	50	10-Jan-13 A	03-Aug-13	TCSS (Gantry G23A) (incl. VO73 Revised Sign Gantry Details)												
Landscaping																			
S21N6000	Landscaping Works	-58	0%	40	10-Aug-13	27-Sep-13	Landscaping Works												
South Bound																			
Preliminaries																			
S21S0000	Site Clearance/Access Rd		100%	48	15-Oct-10 A	10-Dec-10 A													
S21S0010	Site Clearance		100%	36	15-Oct-10 A	26-Nov-10 A													
S21S0030	Access Road		100%	34	02-Nov-10 A	10-Dec-10 A													
Slopeworks																			
S21S5000	Slopeworks Fill(S26)	-60	60.63%	40	25-Mar-13 A	13-Aug-13	Slopeworks Fill(S26)												
S21S5010	Slopeworks Fill(S26) - Lower +50mPD		100%	15	25-Mar-13 A	10-May-13 A	Slopeworks Fill(S26) - Lower +50mPD												
S21S5020	Slopeworks Fill(S26) - Upper +55mPD	-60	30%	23	13-May-13 A	13-Aug-13	Slopeworks Fill(S26) - Upper +55mPD												
S21S5100	Slopeworks Fill(S27)	-62	85%	120	09-Jan-13 A	15-Aug-13	Slopeworks Fill(S27)												
S21S5110	Slopeworks Fill(S27) - Lower +50mPD		100%	60	09-Jan-13 A	17-Jan-13 A													
S21S5120	Slopeworks Fill(S27) - Lower +55mPD	-62	70%	60	18-Jan-13 A	15-Aug-13	Slopeworks Fill(S27) - Lower +55mPD												
Extension of Culverts																			
S21S1100	Extension of Box Culvert (TP9), Downstream		100%	60	20-Dec-12 A	06-Feb-13 A													
S21S5130	Temporary Water Diversion		100%	12	20-Dec-12 A	28-Dec-12 A													
S21S5140	Construction of Base Slab, Wall & Top Slab		100%	48	29-Dec-12 A	06-Feb-13 A													
Construction of Retaining Wall																			
Retaining Wall W50																			
S21S2000	Sheet Pile/Excavate & Construct W50 (w/SP)		100%	215	21-May-12 A	23-Apr-13 A	Excavate & Construct W50 (w/SP)												

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013							2014					
							Q3			Q4				Q1					
							41	42	43	44	45	46	47	48	49	50			
S21S2010	Sheet Pile & ELS Works		100%	24	21-May-12 A	07-Sep-12 A													
S21S2020	Construction of W50 Structure		100%	75	02-Jan-13 A	19-Mar-13 A													
S21S2030	Backfilling		100%	50	20-Mar-13 A	23-Apr-13 A													
Retaining Wall W51-56 (CSD 3)																			
S21S2100	Sheet Pile / Excavate & Construct W51-56 (w/SP)		100%	216	25-Feb-11 A	27-Dec-12 A													
S21S2110	Sheet Pile & ELS Works (W51)		100%	24	25-Feb-11 A	11-May-11 A													
S21S2120	Construction of W51 Structure		100%	42	19-Apr-11 A	14-Jun-11 A													
S21S2130	Sheet Pile & ELS Works (W52 & W53)		100%	24	28-Jul-11 A	16-Sep-11 A													
S21S2140	Construction of W52 & W53 Structure		100%	42	17-Oct-11 A	05-Dec-11 A													
S21S2150	Backfilling of W51, W52 & W53		100%	24	17-Jan-12 A	27-Dec-12 A													
S21S2160	Sheet Pile & ELS Works (W54, 55 & 56)		100%	24	17-Feb-12 A	03-Mar-12 A													
S21S2170	Construction of W54, 55 & 56 Structure		100%	75	15-Feb-12 A	06-Jul-12 A													
S21S2180	Backfilling of W54, 55 & 56		100%	30	02-Aug-12 A	27-Dec-12 A													
S21S2190	Backfilling behind W51 to W56 and drainage works	-39	50%	70	04-Mar-13 A	04-Sep-13													
Retaining Wall W51A (CSD 3)																			
S21S2163	Excavate to cut-off level		100%	8	17-Jan-11 A	25-Jan-11 A													
S21S2164	Capping/Walling for W51A		100%	18	12-Jul-11 A	01-Aug-11 A													
S21S2165	Backfilling		100%	30	28-Dec-11 A	04-Feb-12 A													
Retaining Wall W35A, (CSD 2)																			
S21S2211	Construction of W35A (w/MP)		100%	198	13-Apr-12 A	05-Dec-12 A													
S21S2212	Removal of existing concrete structure at W35A		100%	35	13-Apr-12 A	03-Jul-12 A													
S21S2218	Mini Piles for W35A (8 nos.)		100%	30	25-Jul-12 A	14-Aug-12 A													
S21S2230	Excavation and tie back installation		100%	25	15-Aug-12 A	09-Oct-12 A													
S21S2240	Capping/Walling for W35A		100%	40	10-Oct-12 A	24-Nov-12 A													
S21S2250	Backfilling		100%	6	29-Nov-12 A	05-Dec-12 A													
Road Re-construction Works, Roadworks & Drainage																			
S21S3895	Roadwork (South Bound slow lane along W35A)		100%	6	06-Dec-12 A	09-Dec-12 A													
S21S3896	Roadwork (South Bound slow lane along W50 - W56)		100%	30	01-Feb-13 A	29-Apr-13 A													
S21S3900	Roadworks, Drainages & Utilities (CH 2400 - 2840)	-58	63.83%	150	25-Jan-13 A	28-Sep-13													
S21S4001	Removal of Existing Paving	-58	60%	40	25-Jan-13 A	13-Aug-13													
S21S4002	Drainages (incl. VO33: Drainage details at W48)	-64	0%	30	26-Jul-13	29-Aug-13													
S21S4003	Utilities (incl. VO 26 & VO69)	-64	0%	30	30-Aug-13	05-Oct-13													
S21S4010	Road Surface (CH2400 - CH2840)	-58	20%	65	04-Mar-13 A	16-Oct-13													
S21S4011	Road Construction Works (Fast Lane) for C1/ C2 Interface stage 4A		100%	40	21-Jan-13 A	13-Apr-13 A													
S21S4012	Road Construction Works (Mid Lane) for C1/ C2 Interface stage 5A		100%	27	15-Apr-13 A	25-May-13 A													
S21S4013	Road Construction Works (Slow Lane) for C1/ C2 Interface stage 6A		100%	39	27-May-13 A	30-Jun-13 A													
S21S4014	Road Construction Works for C1/ C2 Interface Final stage	-58	15%	45	02-Jul-13 A	28-Sep-13													
S21S4030	Shift lane for C1/ C2 interface (South Bound along W35A)		100%	0	09-Dec-12 A														
S21S4031	Shift lane for C1/ C2 Interface stage 4A		100%	0	14-Apr-13 A														
S21S4032	Shift lane for C1/ C2 Interface stage 5A		100%	0	26-May-13 A														
S21S4033	Shift lane for C1/ C2 Interface stage 6A		100%	0	30-Jun-13 A														
S21S4050	Shift lane for C1/ C2 interface (Final stage)	-58	0%	0	28-Sep-13														
Noise Barriers																			
Noise Barrier NB29																			
S21S3010	NB29A (CH 0-62.3) on W35A (incl. VO 9: Construction of double leaf acce...	-65	0%	20	11-Sep-13	07-Oct-13													
S21S3011	NB29A (CH 0-62.3) on W35A - Erecting H-Column	-65	0%	10	11-Sep-13	24-Sep-13													
S21S3012	NB29A (CH 0-62.3) on W35A - Installing Panel	-65	0%	10	24-Sep-13	07-Oct-13													
Noise barrier NB30																			



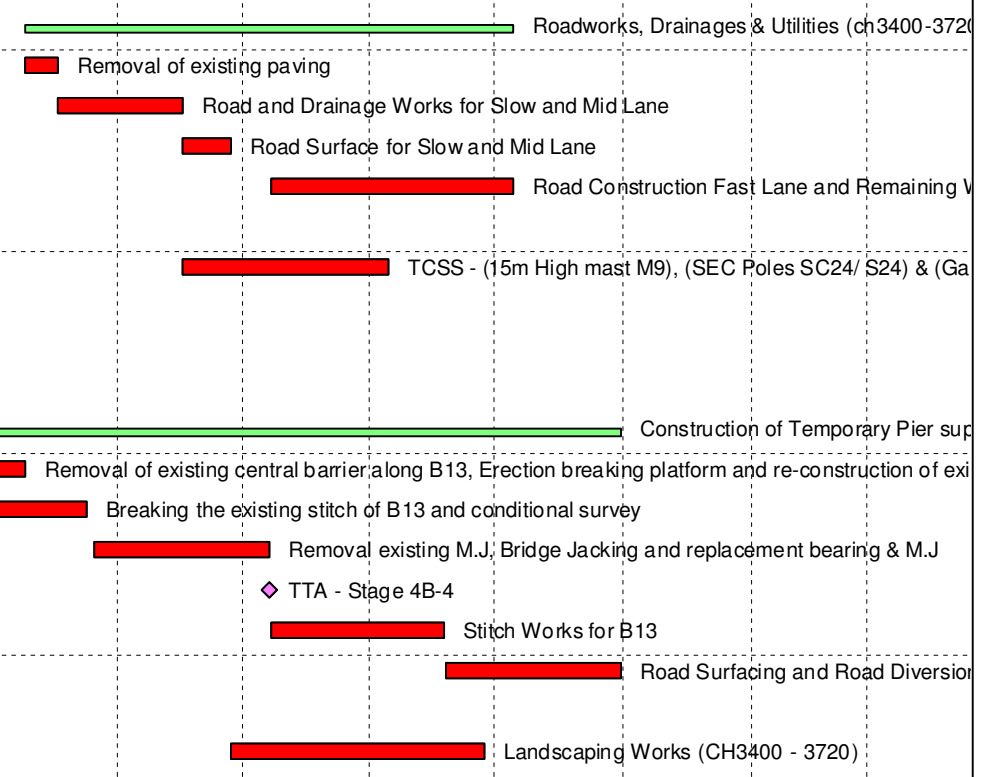
Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013										2014		
							Q3			Q4			Q1						
							41	42	43	44	45	46	47	48	49	50			
S21S3020	NB30 (CH 0-201.9) (incl. VO 9: Construction of double leaf access door for...	-65	41.69%	104	01-Aug-12 A	07-Oct-13	NB30 (CH 0-201.9) (incl. VO 9: Construction of double leaf access door for...												
S21S3021	NB30 - Excavation and Footing (bay 1 - bay 3)		100%	75	01-Aug-12 A	22-Nov-12 A	NB30 - Excavation and Footing (bay 1 - bay 3)												
S21S3026	NB30 - Excavation and Footing (bay 13 - bay 15)		100%	25	02-May-13 A	14-Jun-13 A	NB30 - Excavation and Footing (bay 13 - bay 15)												
S21S3027	NB30 - Excavation and Footing (bay 4 - bay 12)	-65	10%	45	02-Jul-13 A	11-Sep-13	NB30 - Excavation and Footing (bay 4 - bay 12)												
S21S3028	NB30 : Erecting H-Column	-65	0%	10	11-Sep-13	24-Sep-13	NB30 : Erecting H-Column												
S21S3029	NB30 : Installing Panel	-65	0%	10	24-Sep-13	07-Oct-13	NB30 : Installing Panel												
Noise Barrier NB33																			
S21S3030	NB33 (CH 0-143) (incl. VO 9: Construction of double leaf access door for n...	-11	93.14%	102	01-Sep-12 A	02-Aug-13	NB33 (CH 0-143) (incl. VO 9: Construction of double leaf access door for noise barrier)												
S21S3031	NB33 : Excavation, construction of Footing & Backfilling (bay 3 - bay 13)		100%	75	01-Sep-12 A	10-Jan-13 A	NB33 : Excavation, construction of Footing & Backfilling (bay 3 - bay 13)												
S21S3032	NB33 : Erecting H-Column (bay 3 - bay 13)		100%	15	14-Jan-13 A	17-Jan-13 A	NB33 : Erecting H-Column (bay 3 - bay 13)												
S21S3033	NB33 : Installing Panel (bay 3 - bay 13)		100%	12	25-Jan-13 A	02-Mar-13 A	NB33 : Installing Panel (bay 3 - bay 13)												
S21S3034	NB33 : Excavation, construction of Footing & Backfilling (bay 1 - bay 2)		100%	15	07-Mar-13 A	21-Mar-13 A	NB33 : Excavation, construction of Footing & Backfilling (bay 1 - bay 2)												
S21S3035	NB33 : Erecting H-Column (bay 1 - bay 2)		100%	7	26-Apr-13 A	27-Apr-13 A	NB33 : Erecting H-Column (bay 1 - bay 2)												
S21S3036	NB33 : Installing Panel (bay 1 - bay 2)	-11	0%	7	26-Jul-13	02-Aug-13	NB33 : Installing Panel (bay 1 - bay 2)												
Traffic Control & Surveillance System																			
S21S4800	TCSS (Gantry G60A) (incl. VO73 Revised Sign Gantry Details)	-58	15%	45	02-Jul-13 A	28-Sep-13	TCSS (Gantry G60A) (incl. VO73 Revised Sign Gantry Details)												
Landscaping																			
S21S6000	Landscaping Works	-62	0%	40	16-Aug-13	03-Oct-13	Landscaping Works												
Middle Lane																			
Road Re-construction Works																			
S21M4030	Roadworks, Drainage & Utilities (CH 2400 - 2840)	-99	0%	65	08-May-12 A	18-Nov-13	Roadworks, Drainage & Utilities (CH 2400 - 2840)												
S21M4035	Removal of Central barrier & Roadmark		100%	25	08-May-12 A	06-Jun-13 A	Removal of Central barrier & Roadmark												
S21M4040	Removal of Existing Paving		100%	25	18-May-12 A	06-Jun-13 A	Removal of Existing Paving												
Noise Barriers																			
Noise barrier NB32, G23A & G60A																			
S21M380	Excavate to cut-off level (Stage 1: Bay 1 - Bay 2)		100%	7	31-Jan-13 A	25-Feb-13 A	Excavate to cut-off level (Stage 1: Bay 1 - Bay 2)												
S21M390	Construction for NB32 (Stage 1: Bay 1 - Bay 2)		100%	15	25-Feb-13 A	16-Mar-13 A	Construction for NB32 (Stage 1: Bay 1 - Bay 2)												
S21M391	Excavate to cut-off level (Stage 2: Bay 3 - Bay 26)	-99	85%	15	18-May-13 A	29-Jul-13	Excavate to cut-off level (Stage 2: Bay 3 - Bay 26)												
S21M392	Construction for NB32 (Stage 2: Bay 3 - Bay 26 with G23A and G60A)	-99	52%	50	31-May-13 A	26-Aug-13	Construction for NB32 (Stage 2: Bay 3 - Bay 26 with G23A and G60A)												
S21M393	Erecting H-Column, NB32	-80	0%	20	26-Aug-13	18-Sep-13	Erecting H-Column, NB32												
S21M394	Installing Panel & Road Barrier, NB32	-80	0%	30	18-Sep-13	26-Oct-13	Installing Panel & Road Barrier, NB32												
S21M400	Backfilling (Stage 1: Bay 1 - Bay 2)		100%	10	18-Mar-13 A	20-Apr-13 A	Backfilling (Stage 1: Bay 1 - Bay 2)												
S21M401	Backfilling (Stage 2: Bay 3 - Bay 26)	-99	5%	20	15-Jul-13 A	17-Sep-13	Backfilling (Stage 2: Bay 3 - Bay 26)												
S21M403	Road Lighting Works	-99	0%	10	17-Sep-13	30-Sep-13	Road Lighting Works												
S21M404	Remaining Roadworks & Road Surfacing	-99	0%	40	30-Sep-13	18-Nov-13	Remaining Roadworks & Road Surfacing												
Ready For Pre-Handover Retaining Wall of Section 1																			
HRW0010	Ready For Pre-Handover Retaining Wall W35, W36, W38, W39, W40, W4...	-11	0%	7	26-Jul-13	02-Aug-13	Ready For Pre-Handover Retaining Wall W35, W36, W38, W39, W40, W44, W45, W46, W47, W48, W...												
HRW0011	Ready For Pre-Handover Retaining Wall W35A, W50, W51, W52, W53, W...	-11	0%	7	26-Jul-13	02-Aug-13	Ready For Pre-Handover Retaining Wall W35A, W50, W51, W52, W53, W54, W55, W56												
Section 2																			
Site Area SA22																			
PHSA2220	Possession of SA22 (Day0)		100%	0	26-Feb-10 A		PHSA2220												
SA220000	Site Area SA22 Works Period (incl. VO 28: Provision of hoarding at site bo...	177	86.92%	1216	26-Feb-10 A	31-Dec-13	Site Area SA22 Works Period (incl. VO 28: Provision of hoarding at site bo...)										Site Area SA22 Works Period (incl. VO 28: Provision of hoarding at site bo...)		
SA220010	Site Area SA22 Works Completion	177	0%	0		31-Dec-13	Site Area SA22 Works Completion										Site Area SA22 Works Completion		
SA220020	Temporary Traffic Management (Detail shall refer to supplementary inform...	177	83.86%	985	25-Feb-10 A	31-Dec-13	Temporary Traffic Management (Detail shall refer to supplementary inform...)										Temporary Traffic Management (Detail shall refer to supplementary inform...)		
SA220030	Overall Utilities Diversion (Detail shall refer to supplementary information)	177	83.86%	985	25-Feb-10 A	31-Dec-13	Overall Utilities Diversion (Detail shall refer to supplementary information)										Overall Utilities Diversion (Detail shall refer to supplementary information)		
North Bound																			
Preliminaries																			

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013							2014		
							Q3			Q4				Q1		
							41	42	43	44	45	46	47	48	49	50
S22N2270	Wall Stem (W56B), (Bay 1 - 3, Total 18 pours)		100%	75	01-Nov-12 A	06-Apr-13 A	Bay 1 - 3, Total 18 pours)									
S22N2274	Wall Stem (W56B), (Bay 4 - 8, Total 30 pours)		100%	75	12-Nov-12 A	06-Apr-13 A	Bay 4 - 8, Total 30 pours)									
S22N2276	Wall Stem (W56B), (Bay 9 - 10, Total 12 pours)		100%	75	24-Nov-12 A	06-Apr-13 A	Bay 9 - 10, Total 12 pours)									
S22N2290	Backfilling (Bay 1 to Bay 3)		100%	15	10-Jan-13 A	19-Jan-13 A										
S22N2292	Backfilling (Bay 4 to Bay 10)		100%	30	14-Jan-13 A	05-Mar-13 A										
Roadworks & Drainage																
S22N4000	Roadworks, Drainages & Utilities (CH 2840 - 3140)	-5	40.89%	129	15-Jan-13 A	26-Oct-13	Roadworks, Drainages & Utilities (CH 2840 - 3140)									
S22N4010	Roadworks Stage 1 (CH 2840 - 3000)		100%	30	15-Jan-13 A	29-Mar-13 A	Roadworks Stage 1 (CH 2840 - 3000)									
S22N4030	Drainages Stage 1 (CH2840 - 3000)		100%	30	15-Jan-13 A	05-Mar-13 A	Drainages Stage 1 (CH2840 - 3000)									
S22N4040	Road Surface Works		100%	30	21-Mar-13 A	23-Apr-13 A	Road Surface Works									
S22N4042	Roadworks Stage 2 (CH3000 - 3140)	3	90%	30	18-Mar-13 A	29-Jul-13	Roadworks Stage 2 (CH3000 - 3140)									
S22N4044	Drainages Stage 2 (CH3000 - 3140)		100%	30	20-Feb-13 A	11-Apr-13 A	Drainages Stage 2 (CH3000 - 3140)									
S22N4046	Road Surface Works	3	50%	30	17-May-13 A	15-Aug-13	Road Surface Works									
S22N4048	Road Construction Works Remain Fast Lane (along CH2840 - 3140)	-5	0%	50	26-Aug-13	26-Oct-13	Road Construction Works Remain Fast Lane (along CH2840 - 3140)									
Noise Barriers																
Noise Barrier NB31A																
S22N3020	NB31A (CH 0-21.9) on W56A (incl. VO 9: Construction of double leaf acce...		100%	74	15-Oct-12 A	22-Nov-12 A	Preparation for noise barrier)									
S22N3021	NB31A (CH 0-21.9) on W56A : Erecting H-Column		100%	38	15-Oct-12 A	19-Oct-12 A										
S22N3022	NB31A (CH 0-21.9) on W56A : Installing Panel		100%	36	22-Oct-12 A	22-Nov-12 A										
South Bound																
Preliminaries																
S22S0000	Site Clearance/Access Rd		100%	84	01-Apr-10 A	16-Jul-10 A										
S22S0010	Site Clearance		100%	72	01-Apr-10 A	02-Jul-10 A										
S22S0020	Access Road		100%	72	20-Apr-10 A	16-Jul-10 A										
Slopeworks																
S22S5000	Slopeworks Cut(S28-sn) (incl. VO15: Revised Layout of Slope S28)		100%	198	21-Oct-10 A	17-Aug-11 A										
S22S5010	Slopeworks Cut(S28) - Stage 1 (Cutslope)		100%	23	21-Oct-10 A	16-Nov-10 A										
S22S5030	Slopeworks Cut(S28) - Stage 1 (Soil Nail Installation : IJKL)		100%	23	17-Nov-10 A	08-Feb-11 A										
S22S5040	Slopeworks Cut(S28) - Stage 2 (Cutslope)		100%	37	11-Dec-10 A	03-Jan-11 A										
S22S5060	Slopeworks Cut(S28) - Stage 2 (Soil Nail Installation : EFGH)		100%	37	08-Feb-11 A	23-Mar-11 A										
S22S5070	Slopeworks Cut(S28) - Stage 3 (Cutslope)		100%	36	06-Jul-11 A	17-Aug-11 A										
S22S5090	Slopeworks Cut(S28) - Stage 3 (Soil Nail Installation : ABCD)		100%	36	20-Aug-11 A	04-Oct-11 A										
S22S5100	Slope Reinstatement Works (Bridge 12B)	-48	0%	40	29-Aug-13	17-Oct-13	Slope Reinstatement Works (Bridge 12B)									
Construction of Retaining Wall																
Retaining Wall RWB12B																
S22S2110	Pre-drilling for RWB12B		100%	24	16-Jul-10 A	12-Aug-10 A										
S22S2120	Piles for RWB12B		100%	116	13-Aug-10 A	20-Nov-10 A										
S22S2130	Excavate to cut-off level		100%	60	26-Jan-11 A	09-Apr-11 A										
S22S2140	Capping/Walling for Bay 1-2, RWB12B		100%	60	28-Mar-11 A	10-May-12 A										
S22S2142	Capping/Walling for Bay 3-6, RWB12B		100%	75	11-May-12 A	03-Sep-12 A										
S22S2150	Backfilling		100%	60	04-Sep-12 A	22-Jun-13 A	Backfilling									
Road Re-construction Works, Roadworks & Drainage																
S22S4000	Road Re-construction Works (CH 2840 - 3450)	-60	29.09%	185	06-May-13 A	31-Dec-13	Road Re-construction Works (CH 2840 - 3450)									
S22S4405	Road and Drainages Works for Fast Lane (CH2840 - 3000)	-40	85%	45	06-May-13 A	02-Aug-13	Road and Drainages Works for Fast Lane (CH2840 - 3000)									
S22S4410	Road Surface Works for Fast Lane (CH2840 - 3000)	-40	0%	12	02-Aug-13	16-Aug-13	Road Surface Works for Fast Lane (CH2840 - 3000)									
S22S4415	Road Re-Construction Works for Mid 2 Lane (CH2840 - 3000)	-40	0%	30	16-Aug-13	21-Sep-13	Road Re-Construction Works for Mid 2 Lane (CH2840 - 3000)									
S22S4420	Road and Drainages Works for Fast and Mid Lane (CH3000 - 3450)	-40	0%	30	16-Aug-13	21-Sep-13	Road and Drainages Works for Fast and Mid Lane (CH3000 - 3450)									
S22S4425	Road Surface Works for Fast Lane and Mid Lane (CH3000 - 3450)	-40	0%	12	21-Sep-13	07-Oct-13	Road Surface Works for Fast Lane and Mid Lane (CH3000 - 3450)									

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013						2014					
							Q3			Q4			Q1					
							41	42	43	44	45	46	47	48	49	50		
S24N5020	Slopeworks Cut (S31A) & Soil Nail : Stage 2 (Lower +72mPD)		100%	60	08-Aug-11 A	22-Oct-11 A												
S24N5030	Slopeworks Cut (S31A) : Shortcreting		100%	30	24-Oct-11 A	25-Nov-11 A												
S24N5810	Erect Scaffolding & Soil Nail Installation (Area 4)		100%	60	19-Mar-13 A	08-May-13 A	Scaffolding & Soil Nail Installation (Area 4)											
S24N5831	Slope Reinstatement Works (Bridge 12ASA incl. VO74)	24	45%	75	30-Apr-13 A	19-Sep-13	Slope Reinstatement Works (Bridge 12ASA incl. VO74)											
Construction of Retaining Wall																		
Retaining Wall W56B-2 (Bay 12) (AD)																		
S24N2110	Prepare Piling Platform for W56B-2		100%	24	02-Oct-10 A	07-Feb-11 A												
S24N2120	Pre-drilling for W56B-2		100%	18	28-Oct-10 A	18-Nov-10 A												
S24N2130	Retaining Wall W56B-2		100%	255	21-Jan-11 A	01-Dec-11 A												
S24N2140	Piles for W56B-2 (Stage 2)		100%	75	21-Jan-11 A	23-Sep-11 A												
S24N2150	Excavation, upper		100%	75	26-Sep-11 A	13-Jan-12 A												
S24N2152	Excavation, Middle		100%	60	26-Sep-11 A	19-Apr-12 A												
S24N2155	Excavation, Bottom		100%	75	11-May-12 A	26-Jul-12 A												
S24N2160	Construction of Base Slab (Bay 12)		100%	75	27-Jul-12 A	25-Aug-12 A												
S24N2162	Retaining Wall Structure (Bay 12B)		100%	40	01-Oct-12 A	23-Nov-12 A												
S24N2170	Drainage & Backfilling W56B-2		100%	75	27-Feb-13 A	22-May-13 A	Drainage & Backfilling W56B-2											
Retaining Wall W57A																		
S24N2200	Construction of W57A	-59	96%	35	26-Jun-13 A	27-Jul-13	Construction of W57A											
S24N2202	Construction of Structure W57A (W57B - bay1 to bay2)		100%	20	26-Jun-13 A	23-Jul-13 A	Construction of Structure W57A (W57B - bay1 to bay2)											
S24N2203	Backfilling	-59	80%	7	22-Jul-13 A	27-Jul-13	Backfilling											
Retaining Wall W57B (AD 2)																		
S24N2310	Prepare Piling Platform for W57B		100%	18	11-Jan-11 A	31-Jan-11 A												
S24N2320	Pre-drill for W57B		100%	20	01-Apr-11 A	13-Apr-11 A												
S24N2330	Piles for W57B		100%	45	01-Apr-11 A	14-May-11 A												
S24N2340	Excavate at W57B		100%	75	26-May-11 A	23-Aug-11 A												
S24N2360	Retaining Wall W57B		100%	75	19-Apr-12 A	11-Dec-12 A												
S24N2370	Backfilling & Drainage W57B	-60	97%	60	25-Jan-13 A	27-Jul-13	Backfilling & Drainage W57B											
Retaining Wall W57C, (CSD 2)																		
S24N2402	Pre-drilling for W57C		100%	20	26-Mar-11 A	19-Apr-11 A												
S24N2404	Piles for W57C		100%	45	01-Apr-11 A	14-May-11 A												
S24N2407	Excavate to cut-off level		100%	75	26-May-11 A	23-Aug-11 A												
S24N2408	Retaining Wall, W57C		100%	75	19-Apr-12 A	13-Dec-12 A												
S24N2420	Backfilling & Drainage for W57C	-60	97%	54	25-Jan-13 A	27-Jul-13	Backfilling & Drainage for W57C											
Retaining Wall RWB12A																		
S24N1500	Piling & Construct RWB12A		100%	195	04-Jun-11 A	31-Jan-12 A												
S24N1510	Piling of RWB12A, Stage 1 (28/34 nos)		100%	60	04-Jun-11 A	31-Aug-11 A												
S24N1515	Piling of RWB12A, Stage 2 (6nos)		100%	24	01-Sep-11 A	23-Sep-11 A												
S24N1517	Piles Load Test		100%	36	26-Nov-11 A	10-Jan-12 A												
S24N1520	Construction of Base Slab, RWB12A		100%	60	23-Apr-12 A	17-Apr-13 A	Base Slab, RWB12A											
S24N1522	Construction of Wall, RWB12A		100%	40	18-Apr-13 A	07-Jun-13 A	Construction of Wall, RWB12A											
S24N1530	Backfilling		100%	20	09-May-13 A	25-Jun-13 A	Backfilling											
S24N1540	Construction the wing slab of RWB12A	-35	0%	30	24-Aug-13	30-Sep-13	Construction the wing slab of RWB12A											
Roadworks, Drainage & Utilities																		
S24N4000	Roadworks, Drainages & Utilities (ch3140-3400, exclude B12A)	-40	0%	109	27-Jul-13	05-Dec-13	Roadworks, Drainages & Utilities (ch3140-3400)											
S24N4015	Road and Drainage Works	-60	0%	10	27-Jul-13	08-Aug-13	Road and Drainage Works											
S24N4025	Road Surface Works for Mid and Slow Lane	-60	0%	14	08-Aug-13	24-Aug-13	Road Surface Works for Mid and Slow Lane											
S24N4026	TTA - Stage 4B-3	-60	0%	0		24-Aug-13	TTA - Stage 4B-3											
S24N4035	Road Construction Fast Lane and Remaining Works (along CH3140 - 3400)	-40	0%	50	08-Oct-13	05-Dec-13	Road Construction Fast Lane and Remaining Works											

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013					2014						
							Q3		Q4			Q1						
							41	42	43	44	45	46	47	48	49	50		
SA260040	Additional work to existing ball valves, HKCG	19	0%	52	26-Jul-13	25-Sep-13												
North Bound																		
Preliminaries																		
S26N0000	Site Clearance/Access Rd (Tai Wo Road)		100%	150	26-Feb-10 A	28-Aug-10 A												
S26N0010	Site Clearance (Tai Wo Road)		100%	75	26-Feb-10 A	31-May-10 A												
S26N0020	Access Road (Tai Wo Road)		100%	75	01-Jun-10 A	28-Aug-10 A												
Slopeworks																		
S26N5000	Slopeworks Cut(S31A-sn)		100%	150	01-Jun-11 A	25-Nov-11 A												
S26N5010	Slopeworks Cut(S31A-sn) - Stage 1 (Upper +65mPD)		100%	50	01-Jun-11 A	06-Aug-11 A												
S26N5020	Slopeworks Cut(S31A-sn) - Stage 2 (Middle +60mPD)		100%	50	08-Aug-11 A	22-Oct-11 A												
S26N5030	Slopeworks Cut(S31A-sn) - Stage 3 (Lower +55mPD)		100%	50	24-Oct-11 A	25-Nov-11 A												
S26N5040	Remaining Works of S31A	-14	0%	40	16-Sep-13	05-Nov-13												
Construction of Retaining Wall																		
Retaining Wall W59																		
S26N2000	Excavate & Construct W59 (w/SP)		100%	286	01-Mar-12 A	22-Mar-13 A												
S26N2002	W59: Base Slab of Bay 1-3		100%	60	01-Mar-12 A	04-Jun-12 A												
S26N2004	W59: Wall of Bay 1-3		100%	60	02-Jul-12 A	24-Dec-12 A												
S26N2006	W59: Base Slab & Wall of Bay 9-12a		100%	56	19-Apr-12 A	12-Jan-13 A												
S26N2008	W59: Excavation + Soil Nail for Bay 4-8		100%	45	19-Apr-12 A	09-Jul-12 A												
S26N2012	W59: Base Slab of Bay 4-8		100%	40	16-Jul-12 A	24-Dec-12 A												
S26N2014	W59: Wall of Bay 4-8		100%	75	27-Aug-12 A	02-Feb-13 A												
S26N2020	Backfilling		100%	24	23-Apr-12 A	22-Mar-13 A												
Roadworks, Drainage & Utilities																		
S26N4000	Roadworks, Drainages & Utilities (ch3400-3720)	-40	0%	98	09-Aug-13	05-Dec-13												
S26N4035	Removal of existing paving	-34	0%	7	09-Aug-13	17-Aug-13												
S26N4055	Road and Drainage Works for Slow and Mid Lane	-34	0%	25	17-Aug-13	16-Sep-13												
S26N4065	Road Surface for Slow and Mid Lane	-34	0%	10	16-Sep-13	28-Sep-13												
S26N4075	Road Construction Fast Lane and Remaining Works (along CH3400 - 3720)	-40	0%	50	08-Oct-13	05-Dec-13												
Traffic Control & Survelance System																		
S26N4810	TCSS - (15m High mast M9), (SEC Poles SC24/ S24) & (Gantry 24) (incl. ...	-14	0%	40	16-Sep-13	05-Nov-13												
Modification of Existing Bridge																		
Modification of Existing Bridge 13																		
S26N1200	VO 27: Temporary access and lighting for inspection on Bridge Deck interi...		100%	10	02-Jan-12 A	17-Jan-12 A												
S26N1210	Construction of Temporary Pier supports & Installation of Jacks	-60	2.24%	134	22-Jul-13 A	31-Dec-13												
S26N1260	Removal of existing central barrier along B13, Erection breaking platform a...	-60	10%	14	22-Jul-13 A	09-Aug-13												
S26N1270	Breaking the existing stitch of B13 and conditional survey	-60	0%	25	27-Jul-13	24-Aug-13												
S26N1330	Removal existing M.J, Bridge Jacking and replacement bearing & M.J	-60	0%	35	26-Aug-13	07-Oct-13												
S26N1340	TTA - Stage 4B-4	-60	0%	0		07-Oct-13												
S26N1350	Stitch Works for B13	-60	0%	35	08-Oct-13	18-Nov-13												
S26N1360	Road Surfacing and Road Diversion	-60	0%	35	19-Nov-13	31-Dec-13												
Landscaping																		
S26N6040	Landscaping Works (CH3400 - 3720)	-34	0%	50	28-Sep-13	28-Nov-13												
South Bound																		
Preliminaries																		
S26S0000	Site Clearance/Access Rd (Tai Wo Road)		100%	129	26-Feb-10 A	04-Aug-10 A												
S26S10	Site Clearance (Tai Wo Road)		100%	80	26-Feb-10 A	05-Jun-10 A												
S26S20	Access Rd (Tai Wo Road)		100%	80	29-Apr-10 A	04-Aug-10 A												
Slopeworks																		

(w/SP)



Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013										2014		
							Q3			Q4			Q1						
							41	42	43	44	45	46	47	48	49	50			
S26S5000	Slopeworks Fill(S32)	-48	0%	24	18-Feb-13 A	05-Oct-13	Slopeworks Fill(S32)												
S26S5010	Slopeworks Fill (S32) - Stage 1 (Lower +42mPD)		100%	20	18-Feb-13 A	30-May-13 A	Slopeworks Fill (S32) - Stage 1 (Lower +42mPD)												
S26S5020	Slopeworks Fill (S32) - Stage 2 (Upper +45mPD)	-48	10%	20	08-Jun-13 A	05-Oct-13	Slopeworks Fill (S32) -Stage 2 (Upper +45mPD)												
S26S5110	Slope Reinstatement Works (besides LB3)	24	0%	24	04-Mar-13 A	18-Sep-13	Slope Reinstatement Works (besides LB3)												
S26S5120	Slope Reinstatement Works (besides LB3) - Lower: below +24mPD	24	50%	20	04-Mar-13 A	26-Aug-13	Slope Reinstatement Works (besides LB3) - Lower: below +24mPD												
S26S5130	Slope Reinstatement Works (besides LB3) - Upper: above +24mPD	24	0%	20	27-Aug-13	18-Sep-13	Slope Reinstatement Works (besides LB3) - Upper: above +24mPD												
Construction of Retaining Wall																			
Retaining Wall RWTW1, (CSD 1)																			
S26S1289	Pre-drilling for RWTW1 part 1		100%	11	26-May-11 A	08-Jun-11 A													
S26S1290	Construct RWTW1N & RWTW1S	-47	90.77%	325	26-Nov-11 A	29-Aug-13	Construct RWTW1N & RWTW1S												
S26S1391	Temp. Working Platform		100%	30	26-Nov-11 A	17-Dec-11 A													
S26S1392	Construction of Structure (mini piles)		100%	60	04-Jan-12 A	31-Jan-12 A													
S26S1394	Construction of Structure (part 1, Half of North & South RW)		100%	50	29-Dec-11 A	17-Feb-12 A													
S26S1395	Backfilling (part 1, Half of North & South RW)		100%	30	18-Feb-12 A	23-Feb-13 A	h RW)												
S26S1401	ELS Works, Excavation and Protection Existing Gas Main		100%	20	25-Mar-13 A	21-Jun-13 A	ELS Works, Excavation and Protection Existing Gas Main												
S26S1402	Construction of Structure (part 2, Remaining RW)		100%	35	19-Apr-13 A	17-Jul-13 A	Construction of Structure (part 2, Remaining RW)												
S26S1403	Backfilling (part 2, Remaining RW)	-47	20%	15	21-Jun-13 A	08-Aug-13	Backfilling (part 2, Remaining RW)												
S26S1404	Roadworks	-47	0%	18	09-Aug-13	29-Aug-13	Roadworks												
Retaining Wall RWTW2, (CSD 1)																			
S26S1379	Pre-drilling for RWTW2		100%	12	12-Jan-11 A	25-Jan-11 A													
S26S1380	Piling/Excavate & Construct RWTW2	-37	96.71%	609	26-May-11 A	17-Aug-13	Piling/Excavate & Construct RWTW2												
S26S1381	Minipile Piling works, Stage 1 (Half Bay 1)		100%	50	26-May-11 A	24-Sep-11 A													
S26S1382	Piling platform for Stage 2 (Bay 2-4)		100%	9	19-Apr-12 A	04-Jun-12 A													
S26S1383	Minipile piling works, stage 2 (31 nos.)		100%	58	04-Jun-12 A	08-Aug-12 A													
S26S1384	Base slab of RWTW2 (stage 1 & 2: half Bay1 & Bay 2-4)		100%	75	26-Nov-11 A	10-Nov-12 A													
S26S1386	Wall of RWTW2 (stage 1 & 2: half Bay1 & Bay 2-4)		100%	48	12-Nov-12 A	22-Jan-13 A													
S26S1520	Construction of Remain of RWTW2 (stage 3: Remaining Half Bay 1, Conn...		100%	50	18-Feb-13 A	04-Jun-13 A	Construction of Remain of RWTW2 (stage 3: Remaining Half Bay 1, Connection to LB2)												
S26S1530	Backfilling of RWTW2		100%	20	02-May-13 A	18-Jun-13 A	Backfilling of RWTW2												
S26S1540	Roadworks	-37	0%	20	26-Jul-13	17-Aug-13	Roadworks												
Retaining Wall RWTW3, (VO)																			
S26S1389	Pre-drilling for RWTW3		100%	12	28-Dec-10 A	11-Jan-11 A													
S26S1390	Piling/Excavate & Construct RWTW3	-41	96.61%	708	01-Aug-11 A	22-Aug-13	Piling/Excavate & Construct RWTW3												
S26S1591	Piling for RWTW3		100%	24	01-Aug-11 A	23-Sep-11 A													
S26S1592	ELS Works & Excavation		100%	24	28-Dec-11 A	28-Jan-12 A													
S26S1593	VO 51.1: Modification works of ELS		100%	20	03-Jul-12 A	31-Jul-12 A													
S26S1596	VO 51.1: Construction RWTW Base Slab (Bay2-8)		100%	60	20-Aug-12 A	10-Nov-12 A													
S26S1598	VO 51.1: Construction RWTW Wall Stem (Bay 2-8)		100%	60	17-Sep-12 A	14-Jan-13 A													
S26S1600	VO 51.1: Temporary cut to slope toe		100%	25	22-Jan-13 A	12-Apr-13 A	ary cut to slope toe												
S26S1602	VO 51.1: Rockfill Slope (Bay 1 -Bay 7)		100%	40	13-Apr-13 A	17-Jun-13 A	VO 51.1: Rockfill Slope (Bay 1 -Bay 7)												
S26S1604	VO 51.1: Construction RWTW3 (Bay 1)		100%	40	12-Nov-12 A	12-Dec-12 A													
S26S1606	VO 51.1: Remaining Rockfill below LB3	-41	50%	20	19-Jun-13 A	06-Aug-13	VO 51.1: Remaining Rockfill below LB3												
S26S1608	VO 51.1: Roadworks	-41	20%	30	26-Jun-13 A	22-Aug-13	VO 51.1: Roadworks												
Retaining Wall RWTW3A																			
S26S1614	Construction of RWTW 3A	59	92.85%	168	01-Oct-12 A	08-Aug-13	Construction of RWTW 3A												
S26S1628	ELS works RWTW3A		100%	32	01-Oct-12 A	15-Nov-12 A													
S26S1638	Excavation works RWTW 3A		100%	25	16-Nov-12 A	24-Nov-12 A													
S26S1648	RC wall construction RWTW 3A		100%	70	26-Nov-12 A	27-Apr-13 A	nstruction RWTW 3A												
S26S1658	Backfill RWTW 3A		100%	20	06-May-13 A	15-Jun-13 A	Backfill RWTW 3A												

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013										2014			
							Q3			Q4			Q1							
							41	42	43	44	45	46	47	48	49	50				
S22S1340	VO 17.2: Pilecap construction of C9		100%	60	06-Mar-12 A	02-Jun-12 A														
S22S1350	VO 17.2: Pilecap construction of C10		100%	54	01-Jun-12 A	21-Aug-12 A														
S22S1400	VO 17.2: Backfilling & Site Formation		100%	24	11-May-12 A	05-Jan-13 A														
S22S1410	VO 17.2: Pier Construction of C9 & C10		100%	94	01-Jun-12 A	20-Sep-12 A														
S22S1420	VO 17.2: Pier Construction of C9		100%	60	01-Jun-12 A	31-Jul-12 A														
S22S1430	VO 17.2: Pier Construction of C10		100%	75	28-Aug-12 A	13-Oct-12 A														
S22S1440	Construction of 12B North Abutment		100%	75	26-Aug-11 A	31-Oct-11 A														
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 (Bearings, Drainage & MJ included)													
S22S1460	VO 17.2: Scaffolding & Falsework		100%	35	20-Dec-12 A	28-Mar-13 A	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 Fixing and Concreting - C9 -C10 (Stage 1)													
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 Fixing and Concreting - NA to C9 (Stage 2)													
S22S1500	Stressing		100%	5	15-Jul-13 A	20-Jul-13 A	Stressing													
S22S1520	Parapet (Steel Barrier)	-48	0%	15	26-Jul-13	12-Aug-13	Parapet (Steel Barrier)													
S22S1540	Road surface & road work	-48	0%	14	13-Aug-13	28-Aug-13	Road surface & road work													
Construction of Bridge 12A																				
S24S1280	Construction of Bridge 12A (incl. VO29 & VO37: revised piling details and ...	52	95.68%	451	25-Aug-10 A	17-Aug-13	Construction of Bridge 12A (incl. VO29 & VO37: revised piling details and pile caps sleeving det													
Preparatory and Enabling Works																				
S24N1210	Site Clearance		100%	42	25-Aug-10 A	14-Oct-10 A														
S24N1220	Haul Road		100%	42	25-Aug-10 A	14-Oct-10 A														
S24N1230	Gas main Diversion, HKCG		100%	55	25-Aug-10 A	22-Apr-11 A														
S24N1240	11 KV Cable Diversion		100%	55	25-Aug-10 A	30-Oct-10 A														
S24N1250	Telephone Cable Diversion		100%	55	25-Aug-10 A	30-Oct-10 A														
Substructure and Pier Construction																				
South Abutment																				
S24N1260	Piling-South Abutment		100%	29	15-Oct-10 A	19-Jan-11 A														
S24N1261	Preparing piling platform		100%	18	15-Oct-10 A	05-Nov-10 A														
S24N1262	Pre-drilling		100%	18	15-Oct-10 A	05-Nov-10 A														
S24N1263	Piling (21nos)		100%	43	27-Nov-10 A	19-Jan-11 A														
S24N1310	Excavation & Cap-South Abutment		100%	35	04-May-11 A	04-Jun-11 A														
S24N1360	Pier & backfill, South Abutment		100%	36	27-Jun-11 A	17-Aug-11 A														
Pier 1																				
S24N1270	Piling-Pier 1 (15nos)		100%	30	02-Mar-11 A	07-Apr-11 A														
S24N1320	Cap-Pier 1 & Backfill		100%	36	23-May-11 A	05-Jul-11 A														
S24N1370	Pier 1 (Pierhead included)		100%	96	26-Sep-11 A	17-Dec-11 A														
Pier 2																				
S24N1280	Piling-Pier 2 (15nos)		100%	38	02-Aug-10 A	15-Sep-10 A														
S24N1330	Cap-Pier 2 & Backfill		100%	38	20-Nov-10 A	19-Jan-11 A														
S24N1380	Pier 2 (Pierhead included)		100%	96	14-Apr-11 A	12-Aug-11 A														
Pier 3																				
S24N1290	Piling-Pier 3 (15nos)		100%	38	16-Feb-11 A	27-Apr-11 A														
S24N1340	Cap-Pier 3 & Backfill		100%	32	26-May-11 A	04-Jul-11 A														
S24N1390	Pier 3 (pierhead included)		100%	96	11-Jul-11 A	02-Nov-11 A														
North Abutment																				
S24N1300	Pre-drilling & Preparation for Piling (incl. VO 39: Revised Foundation for N...		100%	24	26-May-11 A	23-Jun-11 A														
S24N1302	ELS for North abutment		100%	75	19-Jan-12 A	07-Nov-12 A														
S24N1350	Cap-North Abutment		100%	25	08-Nov-12 A	20-Nov-12 A														
S24N1400	Abutment, Drainage & backfill, North Abutment		100%	75	21-Nov-12 A	25-Jun-13 A	Abutment, Drainage & backfill, North Abutment													
Decking and Finishing																				

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013							2014						
							Q3			Q4				Q1						
							41	42	43	44	45	46	47	48	49	50				
S26S1432	Cap & Backfill - TW3		100%	45	26-May-11 A	19-Jul-11 A														
S26S1442	Pier-TW3 (Pierhead included)		100%	75	08-Aug-11 A	17-Dec-11 A														
TW1																				
S26S1460	Piling-TW1		100%	70	21-Oct-10 A	11-Nov-10 A														
S26S1470	Cap & Backfill - TW1		100%	36	27-Jan-11 A	19-Feb-11 A														
S26S1480	Pier-TW1 (Pierhead included)		100%	75	23-May-11 A	08-Jul-11 A														
TW2																				
S26S1462	Piling-TW2		100%	41	28-Mar-11 A	15-Apr-11 A														
S26S1472	Cap & Backfill - TW2		100%	45	21-Jun-11 A	15-Jul-11 A														
S26S1482	Pier-TW2 (Pierhead included)		100%	75	26-Jul-11 A	11-Feb-12 A														
Decking and Finishing																				
S26S560	Decking (Bearings, Drainage & MJ included) (incl. VO 45: Details Drainage...		100%	199	27-Jul-11 A	12-Jul-12 A														
S26S570	Balanced Cantilever at TW1		100%	63	27-Jul-11 A	12-Oct-11 A														
S26S580	Preparing of Travelling Form		100%	18	27-Jul-11 A	17-Aug-11 A														
S26S590	Construction of Cantiliver Deck, TW1		100%	40	30-Sep-11 A	17-Dec-11 A														
S26S610	South End Span		100%	40	28-Dec-11 A	16-Feb-12 A														
S26S630	Balanced Cantilever at TW2 & Stitching (TW1-TW2)		100%	58	01-Feb-12 A	15-May-12 A														
S26S640	Preparing of Travelling Form		100%	12	01-Feb-12 A	29-Feb-12 A														
S26S650	Construction of Cantiliver Deck, TW2		100%	40	19-Apr-12 A	15-May-12 A														
S26S660	Stitching TW1-TW2		100%	18	11-May-12 A	11-Jun-12 A														
S26S670	Balanced Cantilever at TW3 & Stitching (TW2-TW3)		100%	52	28-Dec-11 A	19-Apr-12 A														
S26S680	Preparing of Travelling Form		100%	12	28-Dec-11 A	11-Jan-12 A														
S26S690	Construction of Cantiliver Deck, TW3		100%	40	12-Jan-12 A	19-Apr-12 A														
S26S700	Stitching TW2-TW3		100%	22	18-May-12 A	22-Jun-12 A														
S26S720	North End Span		100%	50	18-May-12 A	12-Jul-12 A														
S26S740	Parapet (icl, precast concrete skin)	42	63.85%	52	05-Nov-12 A	16-Aug-13														
S26S750	Erecting of Precast Parapet	42	60%	32	05-Nov-12 A	09-Aug-13														
S26S760	Installing M-Barrier	42	0%	6	09-Aug-13	16-Aug-13														
S26S770	Noise Barrier	42	0%	6	09-Aug-13	16-Aug-13														
S26S780	Surfacing	42	0%	7	16-Aug-13	24-Aug-13														
S26S790	Road Lighting	42	0%	7	16-Aug-13	24-Aug-13														
S26S800	Handover Inspection of LB1	42	0%	3	24-Aug-13	28-Aug-13														
Construction of Bridge 13A																				
S26S1300	Construction of Bridge 13A (incl. VO29 & VO37: revised piling details and ...		100%	744	03-May-10 A	22-Jun-13 A														
Preparatory and Enabling Works																				
S26S1610	Site Clearance		100%	24	03-May-10 A	31-May-10 A														
S26S1611	Access Road		100%	63	03-May-10 A	17-Jul-10 A														
S26S1620	Gas main Diversion at North/South Abutment, HKCG		100%	37	01-Jun-10 A	15-Jul-10 A														
S26S1690	SA25-Site Clearance		100%	25	26-Feb-11 A	26-Mar-11 A														
S26S1700	SA25 Haul Road		100%	25	26-Feb-11 A	26-Mar-11 A														
S26S1710	SA25-Gas Main diversion at South Abutment & P1		100%	25	26-Feb-11 A	26-Mar-11 A														
Substructure and Pier Construction																				
North Abutment																				
S26S1630	Piling-North Abutment		100%	65	16-Jul-10 A	30-Sep-10 A														
S26S1631	Pre-drilling & Preparing of piling platform		100%	20	16-Jul-10 A	07-Aug-10 A														
S26S1632	Piling		100%	45	09-Aug-10 A	30-Nov-10 A														
S26S1650	Excavation & Cap-Nouth Abutment		100%	50	04-Jan-11 A	04-Apr-11 A														

- Parapet (icl, precast concrete skin)
- Erecting of Precast Parapet
- Installing M-Barrier
- Noise Barrier
- Surfacing
- Road Lighting
- Handover Inspection of LB1

Construction of Bridge 13A (incl. VO29 & VO37: revised piling details and pile caps sleeving details)

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013														
							Q3			Q4				2014							
							41	42	43	44	45	46	47	48	49	50					
S26AN433	Slip Road R (From W70 to B18A) Stage 1.1 pavement & roadworks		100%	15	04-Jul-12 A	26-Jul-12 A															
S26AN435	Slip Road R (From W70 to B18A) Stage 2	67	80.65%	93	18-May-12 A	15-Aug-13	Slip Road R (From W70 to B18A) Stage 2														
S26AN436	Slip Road R (From W70 to B18A) Stage 2, formation (Remaining)	67	90%	30	18-May-12 A	06-Aug-13	Slip Road R (From W70 to B18A) Stage 2, formation (Remaining)														
S26AN437	Slip Road R (From W70 to B18A) Stage 2, Drainage & utilities (Remaining)	67	90%	30	27-Jun-12 A	09-Aug-13	Slip Road R (From W70 to B18A) Stage 2, Drainage & utilities (Remaining)														
S26AN438	Slip Road R (From W70 to B18A) Stage 2, pavement & roadworks (Remai...	67	90%	50	14-Jul-12 A	15-Aug-13	Slip Road R (From W70 to B18A) Stage 2, pavement & roadworks (Remaining)														
S26AN447	Construction Slip Road J (Under Bridge 15A)	19	0%	45	23-Sep-13	16-Nov-13	Construction Slip Road J (Under Bridge 15A)														
S26AN448	Construction Slip Road Q (At W65C)	19	0%	45	23-Sep-13	16-Nov-13	Construction Slip Road Q (At W65C)														
S26AN451	Road and Drainage Works (CH 3720 - 4550)	-16	23.18%	168	24-Jun-13 A	30-Dec-13	Road and Drainage Works (CH 3720 - 4550)														
S26AN452	Removal of existing central barrier and forming temporary road (CH3720-4...		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)	16	40%	20	08-Jul-13 A	08-Aug-13	Road and Drainage Works for Slow and Mid Lane (CH3720 - 3850)														
S26AN454	Road Surface Works for Slow and Mid Lane (CH3720 - 3850)	16	0%	10	09-Aug-13	20-Aug-13	Road Surface Works for Slow and Mid Lane (CH3720 - 3850)														
S26AN455	Removal of existing central barrier (CH4100-4550)	-16	0%	8	08-Aug-13	17-Aug-13	Removal of existing central barrier (CH4100-4550)														
S26AN456	Road Works for Fast and Mid Lane (CH3850 - CH4550)	-16	0%	20	17-Aug-13	10-Sep-13	Road Works for Fast and Mid Lane (CH3850 - CH4550)														
S26AN457	Road Surface Works for Fast and Mid Lane (CH3850 - 4550)	-16	0%	10	10-Sep-13	23-Sep-13	Road Surface Works for Fast and Mid Lane (CH3850 - 4550)														
S26AN458	Road Works for Fast Lane (CH3720 - 3850)	-11	0%	20	23-Sep-13	18-Oct-13	Road Works for Fast Lane (CH3720 - 3850)														
S26AN459	Road Surface Works for Fast Lane (CH3720 - 3850)	-11	0%	10	18-Oct-13	30-Oct-13	Road Surface Works for Fast Lane (CH3720 - 3850)														
S26AN460	Road and Drainage Works for Slow Lane (CH4250 - 4550)	-16	0%	35	23-Sep-13	05-Nov-13	Road and Drainage Works for Slow Lane (CH4250 - 4550)														
S26AN461	Road Surface Works for Slow Lane (CH4250 - 4550)	-16	0%	10	05-Nov-13	16-Nov-13	Road Surface Works for Slow Lane (CH4250 - 4550)														
S26AN462	Road Construction and Remaining Works (along CH 3720 - 4550)	-16	0%	35	16-Nov-13	30-Dec-13	Road Construction and Remaining Works (along CH 3720 - 4550)														
S26AN470	Road and Drainage Works (CH 4550 - 4720)	17	0%	88	03-Aug-13	18-Nov-13	Road and Drainage Works (CH 4550 - 4720)														
S26AN471	Road and Drainage Works for Fast Lane (CH 4550 - 4720)	17	0%	35	03-Aug-13	13-Sep-13	Road and Drainage Works for Fast Lane (CH 4550 - 4720)														
S26AN472	Road Surface Works for Fast Lane (CH4550 - 4720)	17	0%	8	13-Sep-13	24-Sep-13	Road Surface Works for Fast Lane (CH4550 - 4720)														
S26AN482	Road Construction and Remaining Works (along CH 4550 - 4720)	17	0%	45	24-Sep-13	18-Nov-13	Road Construction and Remaining Works (along CH 4550 - 4720)														
Traffic Control & Survelance System																					
S26AN480	TCSS (G25, G26, G27, G28 & SEC Poles SC58/S58) (incl. VO73 Revised ...	51	0%	50	09-Aug-13	08-Oct-13	TCSS (G25, G26, G27, G28 & SEC Poles SC58/S58) (incl. VO73 Revised ...)														
Modification of Existing Bridge																					
S26AN200	Modification of Existing Bridge 15	9	0%	104	24-Jun-13 A	28-Nov-13	Modification of Existing Bridge 15														
S26AN230	Demolish of Central Barrier	29	50%	12	24-Jun-13 A	01-Aug-13	Demolish of Central Barrier														
S26AN240	Raising of Concrete Edge for N/B (CH3800 -3900)	29	0%	15	02-Aug-13	19-Aug-13	Raising of Concrete Edge for N/B (CH3800-3900)														
S26AN250	Removal existing M.J and install new M.J for Slow and Mid Lane (S/B)	29	0%	8	20-Aug-13	28-Aug-13	Removal existing M.J and install new M.J for Slow and Mid Lane (S/B)														
S26AN260	Raising of Concrete Edge for S/B (CH3800 - 4020) and N/B (CH3900 - 4020)	9	0%	25	23-Sep-13	24-Oct-13	Raising of Concrete Edge for S/B (CH3800 - 4020) and N/B (CH3900 - 4020)														
S26AN270	Removal existing M.J and install new M.J for Fast Lane (S/B and N/B)	9	0%	10	24-Oct-13	05-Nov-13	Removal existing M.J and install new M.J for Fast Lane (S/B and N/B)														
S26AN280	Removal existing M.J and install new M.J for Slow and Mid Lane (N/B)	9	0%	20	05-Nov-13	28-Nov-13	Removal existing M.J and install new M.J for Slow and Mid Lane (N/B)														
Landscaping																					
S26AN610	Landscaping Works	87	20%	29	15-Mar-13 A	26-Aug-13	Landscaping Works														
South Bound																					
Preliminaries																					
S26AS000	Site Clearance/Access Rd		100%	164	26-Feb-10 A	14-Sep-10 A															
S26AS010	Site Clearance		100%	75	26-Feb-10 A	18-Jun-10 A															
S26AS020	Access Road		100%	75	31-May-10 A	14-Sep-10 A															
Slopeworks																					
S26AS510	Slope Reinstatement Works (Bridge 15A)	18	0%	95	26-Jul-13	16-Nov-13	Slope Reinstatement Works (Bridge 15A)														
S26AS515	Backfilling Slope	18	0%	30	26-Jul-13	29-Aug-13	Backfilling Slope														
S26AS520	Soil Nail Installation	18	0%	50	30-Aug-13	30-Oct-13	Soil Nail Installation														
S26AS540	Slope Surface Treatment	18	0%	15	31-Oct-13	16-Nov-13	Slope Surface Treatment														
Construction of Retaining Wall																					
Retaining Wall W65A																					

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013										2014			
							Q3			Q4			Q1							
							41	42	43	44	45	46	47	48	49	50				
S27S1000	Sheet Pile/Excavate & Construct W65A		100%	83	28-Dec-10 A	08-Apr-11 A														
S27S1001	Sheet Pile & Excavation		100%	32	28-Dec-10 A	07-Feb-11 A														
S27S1002	Construction of Structure W65A		100%	50	11-Apr-11 A	13-Aug-11 A														
S27S1012	Backfilling behind W65A and drainage works	43	0%	40	30-Aug-13	18-Oct-13														
Retaining Wall W65B, (CSD 1)																				
S27S1040	WSD 1220 dia Diversion		100%	36	26-Jul-11 A	17-Dec-12 A														
S27S1041	HyD Lighting relocation		100%	36	26-May-11 A	18-Jun-11 A														
S27S1042	Excavate to cut-off level		100%	42	15-Oct-10 A	03-Dec-10 A														
S27S1043	COD: CLP overhead cable		100%	75	15-Jan-11 A	11-Apr-11 A														
S27S1044	Relocation of Existing Electric Poles, CLP		100%	24	15-Feb-11 A	11-Apr-11 A														
S27S1060	Capping/Walling for W65B		100%	42	06-Apr-11 A	20-Aug-11 A														
S27S1070	Backfilling for W65A & B		100%	75	10-Sep-11 A	21-Jul-12 A														
S27S1090	COD: DAN 273- revised thrust box detail and additional works for DN1220		100%	30	17-Dec-12 A	24-Jan-13 A														
S27S1110	Backfilling behind W65B and drainage works	43	0%	40	30-Aug-13	18-Oct-13														
Road Re-Construction Works, Roadworks, Drainage & Utilities																				
S26AS400	Roadworks, Drainages & Utilities (CH 4020 - 4500)	35	80.47%	399	14-Feb-12 A	28-Oct-13														
S26AS410	Roadworks, Drainages & Utilities Stage 1 (ch4020-ch4200 & Tai Po Tai W...)		100%	110	14-Feb-12 A	11-Dec-12 A														
S26AS411	Removal of existing paving		100%	25	14-Feb-12 A	02-Jul-12 A														
S26AS412	Utilities		100%	75	14-Feb-12 A	31-Jul-12 A														
S26AS416	Drainages		100%	75	27-Jun-12 A	31-Jul-12 A														
S26AS418	Road Surface & Roadmark - Stage 1		100%	5	14-Jul-12 A	11-Dec-12 A														
S26AS420	Roadworks, Drainages & Utilities Stage 2(ch4200-ch4500)		100%	737	14-Feb-12 A	28-Sep-12 A														
S26AS422	Removal of existing paving		100%	50	14-Feb-12 A	12-Jan-13 A														
S26AS424	Utilities		100%	75	14-Feb-12 A	28-May-12 A														
S26AS426	Drainages		100%	75	27-Jun-12 A	11-Aug-12 A														
S26AS428	Road Surface & Roadmark - Stage 2		100%	8	10-Sep-12 A	28-Sep-12 A														
S26AS430	Roadworks Stage 3 (ch4020-ch4200 & Tai Po Tai Wo Road)		100%	35	28-Jan-13 A	21-Jun-13 A														
S26AS440	Road Construction and Remaining Works (along CH4020 - 4500)	-16	85%	75	28-Jan-13 A	08-Aug-13														
S27S4090	HyD/Lighting (Existing Street Light removal by HyD Lightings)		100%	52	26-May-11 A	25-Jun-11 A														
S27S4100	Slip Road K (utilities & drainage), Stage 1 (excl. WSD connection)		100%	75	14-Feb-12 A	19-Apr-12 A														
S27S4102	Slip Road K (utilities & drainage roadwork), Stage 2 (incl. WSD connection)		100%	50	18-May-12 A	15-Oct-12 A														
S27S4110	Slip Road S (utilities, drainage & roadwork)	35	0%	50	28-Aug-13	28-Oct-13														
S27S4160	TTA Stage 0		100%	0	07-Oct-12 A															
Noise Barriers & Road Barriers																				
Noise Barrier NB36 & NB37																				
S26AS300	Construct Noise Barrier & Beam Barrier, NB36 & NB37		100%	255	28-Dec-11 A	05-Jul-12 A														
S26AS310	Noise Barrier : Foundation Works		100%	75	28-Dec-11 A	31-Jan-12 A														
S26AS320	Noise Barrier : Installation of H-column & Panel		100%	60	01-Feb-12 A	05-Jul-12 A														
S26AS330	Remaining NB36 installation of panel		100%	7	25-May-13 A	15-Jun-13 A														
Traffic Control & Surveillance System																				
S26AS480	TCSS (ch3720 - ch4820)	92	62.41%	56	30-Nov-12 A	20-Aug-13														
S26AS481	TCSS - Stage 1 (ch3720 - ch3900)		100%	24	11-Mar-13 A	19-Apr-13 A														
S26AS482	TCSS - Stage 2 (ch3900 - ch4080)		100%	24	19-Apr-13 A	06-Jun-13 A														
S26AS483	TCSS - Stage 3 (ch4080 - ch4260), (Gantry G59) (incl. VO73 Revised Sign...)		100%	24	22-Jan-13 A	06-Jun-13 A														
S26AS484	TCSS - Stage 4 (ch4260 - ch4440), (Gantry G58) (incl. VO73 Revised Sign...)		100%	24	30-Nov-12 A	21-Dec-12 A														
S26AS485	TCSS - Stage 5 (ch4440 - ch4620)	92	50%	24	24-Dec-12 A	08-Aug-13														
S26AS486	TCSS - Stage 6 (ch4620 - ch4820), (Gantry G57) (incl. VO73 Revised Sign...)	92	20%	24	07-Jan-13 A	20-Aug-13														

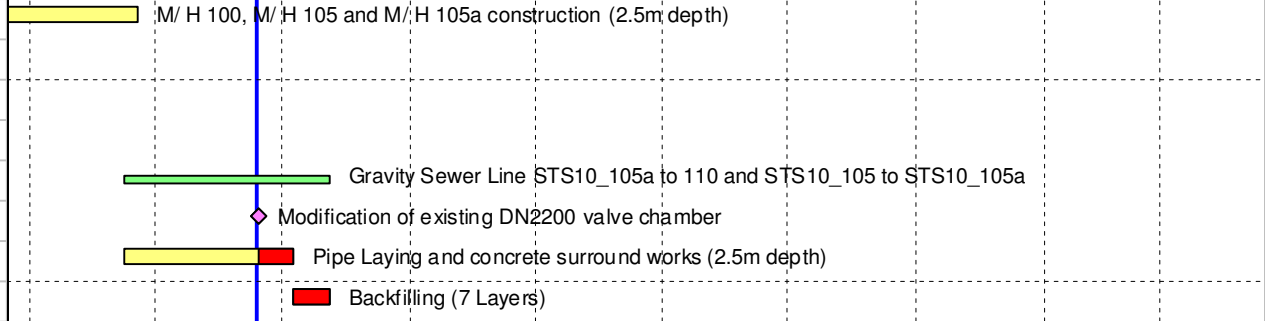
Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013					2014					
							Q3		Q4			Q1					
							41	42	43	44	45	46	47	48	49	50	
S27S5132	Slopeworks Cut(S39) - Stage 2, +35mPD		100%	46	13-Aug-10 A	07-Oct-10 A											
S27S5133	Slopeworks Cut(S39) - Stage 3, formation level		100%	46	28-Dec-10 A	23-Feb-11 A											
S27S5150	Slope Reinstatement Works (S42)	70	0%	40	30-Jul-13	13-Sep-13											
Construction of Retaining Wall W66/67 (CSD 2) & W71																	
S27S1100	W66 & W67 (CSD 2)		100%	45	02-Oct-10 A	19-Mar-11 A											
S27S1101	Base Slab (W66)		100%	30	02-Oct-10 A	01-Nov-10 A											
S27S1102	Wall Stem (W66)		100%	30	02-Nov-10 A	26-Dec-10 A											
S27S1103	Base Slab (W67)		100%	30	08-Nov-10 A	25-Dec-10 A											
S27S1113	Wall Stem (W67)		100%	24	28-Feb-11 A	19-Mar-11 A											
S27S1115	Backfill for W66&67		100%	61	27-Jun-11 A	15-Oct-11 A											
S27S1200	Retaining Wall W71 (Bay1 - Bay5)		100%	110	02-Jun-10 A	12-Oct-10 A											
S27S1210	Retaining Wall W71 : Base Slab		100%	55	02-Jun-10 A	06-Aug-10 A											
S27S1220	Retaining Wall W71 : Wall Stem		100%	55	07-Aug-10 A	12-Oct-10 A											
S27S1230	Backfill for W71		100%	50	27-Jun-11 A	24-Aug-11 A											
Roadworks, Drainage & Utilities																	
S27S4000	Roadworks, Drainages & Utilities - Stage 1 (CH 3900 - 4740)	15	72.57%	357	13-Apr-12 A	20-Nov-13											
S27S4004	Utilities - Stage 1 (W66 & W67)		100%	60	13-Apr-12 A	19-Apr-12 A											
S27S4006	Road and Drainages Works - Stage 1		100%	60	11-May-12 A	31-Jul-12 A											
S27S4010	Road Surface - Stage 1		100%	50	28-Jul-12 A	11-Dec-12 A											
S27S4012	Roadmark and Lane Shifting - Stage 1		100%	30	12-Dec-12 A	27-Dec-12 A											
S27S4018	Removal of existing paving - Stage 2 (Remaining CH4500 - 4740)	15	0%	25	30-Jul-13	27-Aug-13											
S27S4035	Road and Drainage Works for Slow Lane - Stage 2 (incl. VO 55: Provision ...)	15	0%	30	28-Aug-13	03-Oct-13											
S27S4045	Road Surface Works for Slow Lane	15	0%	10	04-Oct-13	16-Oct-13											
S27S4055	Road Construction and Remaining Works (along CH4500 - 4740)	15	0%	30	17-Oct-13	20-Nov-13											
Construction of Bridge 15A																	
Preparatory and Enabling Works																	
S26AS205	Site Clearance		100%	102	01-Jun-10 A	30-Sep-10 A											
S26AS210	Hual Road		100%	102	01-Jun-10 A	30-Sep-10 A											
S26AS215	11KV Diversion, CLP		100%	102	01-Jun-10 A	30-Sep-10 A											
S26AS225	2 nos. Existing fresh water mains diversion		100%	36	26-Jan-11 A	11-Mar-11 A											
S26AS235	Existing tel cable diversion, PCCW		100%	36	26-Jan-11 A	11-Mar-11 A											
S26AS245	HyD/Lighting		100%	60	26-Jan-11 A	09-Apr-11 A											
Substructure and Pier Construction																	
South Abutment, P1 to P5																	
S26AS220	Piling - South Abutment, P1 to P5 (incl. VO29: revised piling details)		100%	335	02-Jul-10 A	16-Aug-11 A											
S26AS230	Excavation & Cap-South Abutment, P1 to P5 (incl. VO6: Bridge 15A cap sl...)		100%	173	07-Feb-11 A	05-Sep-11 A											
S26AS240	Pier & backfill, South Abutment, P1 to P5		100%	112	13-Jun-11 A	26-Oct-11 A											
South Abutment																	
S26AS770	Piling - South Abutment		100%	71	02-Jul-10 A	07-Feb-11 A											
S26AS780	Cap & Backfill - South Abutment		100%	37	07-Feb-11 A	22-Mar-11 A											
S26AS790	South Abutment		100%	21	13-Jun-11 A	14-Jul-11 A											
S26AS800	COD: 15ASA Wingwall		100%	14	13-Jun-11 A	14-Jul-11 A											
P1																	
S26AS610	Piling - P1		100%	66	18-Jan-11 A	09-Apr-11 A											
S26AS620	Cap & Backfill - P1		100%	37	26-May-11 A	09-Jul-11 A											
S26AS630	Pier - P1		100%	36	11-Jul-11 A	22-Sep-11 A											
P2																	

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013						2014						
							Q3			Q4			Q1						
							41	42	43	44	45	46	47	48	49	50			
S26AS640	Piling - P2		100%	66	26-Apr-11 A	27-May-11 A													
S26AS650	Cap & Backfill - P2		100%	37	09-Jun-11 A	23-Jul-11 A													
S26AS660	Pier - P2		100%	36	26-Aug-11 A	22-Oct-11 A													
P3																			
S26AS670	Piling - P3		100%	66	28-Dec-10 A	01-Feb-11 A													
S26AS680	Cap & Backfill - P3		100%	37	26-Mar-11 A	14-May-11 A													
S26AS700	Pier - P3		100%	36	09-May-11 A	21-Jun-11 A													
P4																			
S26AS548	Piling - P4		100%	63	09-Feb-11 A	26-Mar-11 A													
S26AS550	Cap & Backfill - P4		100%	46	07-Apr-11 A	16-May-11 A													
S26AS560	Pier - P4		100%	36	27-Jun-11 A	08-Aug-11 A													
P5																			
S26AS570	Piling - P5		100%	54	23-May-11 A	23-Jul-11 A													
S26AS580	Cap & Backfill - P5		100%	36	04-Aug-11 A	16-Sep-11 A													
S26AS590	Pier - P5		100%	36	18-Nov-11 A	29-Feb-12 A													
P6																			
S26AS222	Piling-P6 Stage 1 (6 no.)		100%	20	26-Nov-11 A	19-Dec-11 A													
S26AS226	Piling-P6 Stage 2 (Remain, 9 no.)		100%	30	18-May-12 A	26-May-12 A													
S26AS232	Cap & Backfill - P6		100%	36	05-Oct-12 A	09-Nov-12 A													
S26AS242	Pier-P6		100%	12	20-Nov-12 A	13-Dec-12 A													
North Abutment																			
S26AS224	Piling-North Abutment, Stage 1 (11no.)		100%	36	07-Oct-11 A	17-Nov-11 A													
S26AS228	Piling-North Abutment, Stage 2 (Remain, 16 no.)		100%	60	11-May-12 A	16-Jul-12 A													
S26AS234	Excavation & Cap-North Abutment		100%	30	08-Aug-12 A	18-Dec-12 A													
S26AS236	Abutment		100%	20	24-Dec-12 A	18-Jan-13 A													
S26AS244	Backfilling		100%	50	22-Jan-13 A	15-May-13 A													
Decking and Finishing																			
S26AS250	Bridge Deck (7 spans) (Bearing, Drainage & MJ included) (incl. VO 44: Re...		100%	314	26-Nov-11 A	28-Mar-13 A	Bearing, Drainage & MJ included) (incl. VO 44: Revised Drainage Arrangement for Bridge 15A Deck)												
S26AS251	Bridge Deck - Pier 1 to South Abutment		100%	75	26-Nov-11 A	26-May-12 A													
S26AS252	Bridge Deck - Pier 2 to Pier 1		100%	75	11-May-12 A	29-Aug-12 A													
S26AS253	Bridge Deck - Pier 3 to Pier 2		100%	75	01-Jun-12 A	06-Nov-12 A													
S26AS254	Falsework dismantling of deck - Pier 3 to Pier 2		100%	18	03-Dec-12 A	22-Feb-13 A													
S26AS255	Bridge Deck - Pier 4 to Pier 3		100%	75	11-Aug-12 A	22-Dec-12 A													
S26AS256	Falsework dismantling of deck - Pier 4 to Pier 3		100%	18	25-Feb-13 A	03-May-13 A													
S26AS257	Bridge Deck - Pier 5 to Pier 4		100%	75	27-Aug-12 A	31-Jan-13 A													
S26AS258	Falsework dismantling of deck - Pier 5 to Pier 4		100%	18	11-Mar-13 A	30-May-13 A													
S26AS259	Falsework Erection of deck - Pier 6 to Pier 5		100%	18	03-Dec-12 A	23-Feb-13 A													
S26AS260	Bridge Deck - Pier 6 to Pier 5		100%	75	29-Dec-12 A	19-Apr-13 A													
S26AS261	Falsework dismantling of deck - Pier 6 to Pier 5		100%	18	06-May-13 A	14-Jun-13 A													
S26AS262	Falsework Erection of deck - North Abutment to Pier 6		100%	18	31-Dec-12 A	04-Feb-13 A													
S26AS263	Bridge Deck - North Abutment to Pier 6		100%	50	14-Jan-13 A	28-Mar-13 A													
S26AS264	Falsework dismantling of deck - North Abutment to Pier 6		100%	18	13-May-13 A	14-Jun-13 A													
S26AS269	Parapet (icl, precast concrete skin)		100%	50	06-Dec-12 A	08-Jun-13 A													
S26AS270	Noise Barrier for Bridge 15A		100%	25	27-Mar-13 A	12-Jun-13 A													
S26AS272	Surfacing		100%	10	10-May-13 A	20-Jun-13 A													
S26AS275	Lighting		100%	7	04-May-13 A	07-Jun-13 A													
S26AS280	Handover Inspection of Bridge 15A		100%	3	20-Jun-13 A	22-Jun-13 A													

Ready For Pre-Handover Retaining Wall of Section 3

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013										2014			
							Q3			Q4			Q1							
							41	42	43	44	45	46	47	48	49	50				
S31G7000	Tentative Start Date for SA31 Route Maintenance Works		100%	0	26-Feb-10 A															
Section 17 (Subject to Excision and Instruct by Engineer within 819 days)																				
General																				
SC150025	Validity Period	327	99%	819	25-Feb-10 A	03-Aug-13	Validity Period													
SC150030	Latest Date for the Engineer to Issue EI	327	0%	0		03-Aug-13	Latest Date for the Engineer to Issue EI													
Site Area SA28 & SA30																				
PHSA2840	Possession of SA28 & SA30		100%	0	26-Feb-10 A															
SA280005	Site Area SA28 Works Period	318	0%	0	24-May-12 A	12-Aug-13	Site Area SA28 Works Period													
SA280020	Site Area SA28 & SA30 Works Completion	318	0%	0		12-Aug-13	Site Area SA28 & SA30 Works Completion													
All Area																				
Preliminaries																				
S28N1000	Site Clearance/TTM/Access Rd/Utility Diversion	265	99%	45	24-May-12 A	03-Aug-13	Site Clearance/TTM/Access Rd/Utility Diversion													
Site Area SA30A																				
PHSA30A5	Possession of SA30A		100%	0	27-Jul-10 A															
SA30A005	Site Area SA30A Works Period	318	88.52%	155	23-May-12 A	12-Aug-13	Site Area SA30A Works Period													
SA30A020	Site Area SA30A Works Completion	318	0%	0		12-Aug-13	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														
Roadworks, Drainage & Utilities																				
S30AN415	Section 17 subject to Excision Works Instruction date (Trunk Sewer Line)	-23	93.96%	245	23-May-12 A	12-Aug-13	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														
S30AN430	Procurement & delivery of Trunk Sewer pipe (Stage 1)		100%	75	06-Sep-12 A	17-Sep-12 A														
S30AN440	Design clarification period	-10	98%	60	06-Sep-12 A	27-Jul-13	Design clarification period													
S30AN450	Procurement & delivery of Trunk Sewer pipe (Stage 2)	-10	99%	75	01-Nov-12 A	27-Jul-13	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														
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														
S30AN490	Pipe laying and concrete surround works		100%	60	05-Dec-12 A	07-Jan-13 A														
S30AN500	Backfilling (2 Layers + Temp fill)		100%	30	08-Jan-13 A	06-Feb-13 A														
S30AN510	Gravity Sewer Line STS10_160 to 150 (40m Long)	-22	84.95%	95	27-Feb-13 A	12-Aug-13	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														
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)	-22	70%	21	13-May-13 A	02-Aug-13	Pipe Laying and concrete works (Stage 2)													
S30AN560	Backfilling (15 Layers)	-22	0%	8	02-Aug-13	12-Aug-13	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														
S30AN585	Pipe Laying & concrete surround works		100%	30	14-Nov-12 A	20-Nov-12 A														
S30AN590	Backfilling (15 Layers)		100%	20	21-Nov-12 A	03-Jan-13 A														
S30AN600	Gravity Sewer Line STS10_130 to 140 (40m Long)		100%	88	08-Jan-13 A	18-Mar-13 A	Gravity Sewer Line STS10_130 to 140 (40m Long)													
S30AN610	M/H 140 construction (4.5m depth)		100%	40	08-Jan-13 A	19-Jan-13 A														
S30AN620	Pipe Laying & concrete Surround works		100%	40	14-Jan-13 A	28-Jan-13 A														
S30AN630	Backfilling (12 Layers)		100%	25	01-Mar-13 A	18-Mar-13 A														
S30AN640	Gravity Sewer Line STS10_140 to 150 (38m Long)		100%	80	28-Feb-13 A	18-May-13 A	Gravity Sewer Line STS10_140 to 150 (38m Long)													
S30AN650	Pipe Laying and concrete surround works		100%	50	28-Feb-13 A	18-Mar-13 A	Pipe Laying and concrete surround works													
S30AN660	Backfilling (15 Layers)		100%	30	22-Mar-13 A	18-May-13 A	Backfilling (15 Layers)													

Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish	2013							2014				
							Q3			Q4				Q1				
							41	42	43	44	45	46	47	48	49	50		
S30AN670	Gravity Sewer Line STS10_120 to 110 (33m Long)		100%	205	03-Aug-12 A	17-Nov-12 A												
S30AN680	M/H 110 construction (2.7m depth)		100%	30	03-Aug-12 A	15-Sep-12 A												
S30AN690	Pipe laying and concrete surround works		100%	40	06-Oct-12 A	26-Oct-12 A												
S30AN700	Backfilling (9 Layers)		100%	20	01-Nov-12 A	17-Nov-12 A												
S30AN710	Gravity Sewer Line STS10_100 to 105a (56.5m Long)		100%	75	03-Aug-12 A	15-Dec-12 A												
S30AN720	M/ H 100, M/ H 105 and M/ H 105a construction (2.5m depth)		100%	45	03-Aug-12 A	27-Jun-13 A												
S30AN730	Pipe Laying and concrete surround works		100%	50	17-Sep-12 A	06-Oct-12 A												
S30AN740	Construction of temporary access for Villager		100%	30	08-Oct-12 A	22-Oct-12 A												
S30AN750	Backfilling (5 Layers)		100%	25	24-Oct-12 A	15-Dec-12 A												
S30AN760	Gravity Sewer Line STS10_105a to 110 and STS10_105 to STS10_105a	-23	0%	8	24-Jun-13 A	12-Aug-13												
S30AN770	Modification of existing DN2200 valve chamber	-23	0%	0	26-Jul-13													
S30AN780	Pipe Laying and concrete surround works (2.5m depth)	-23	70%	26	24-Jun-13 A	03-Aug-13												
S30AN790	Backfilling (7 Layers)	-23	0%	7	03-Aug-13	12-Aug-13												



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

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

Air Quality - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 13	Sep 13	Oct 13
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
	<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	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	@

Noise - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 13	Sep 13	Oct 13
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		
			Aug 13	Sep 13	Oct 13
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
	<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		
			Aug 13	Sep 13	Oct 13
Waste Management during Construction	General Waste	During construction			
	<ul style="list-style-type: none"> Transport of wastes off site as soon as possible. 		@	@	@
	<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				
<ul style="list-style-type: none"> Segregation of materials to facilitate disposal. 	V	V	V		

	<ul style="list-style-type: none"> • Appropriate stockpile management. 		V	V	V
	Excavated Materials				
	<ul style="list-style-type: none"> • Segregation of materials to facilitate disposal / reuse. 		V	V	V
	<ul style="list-style-type: none"> • Appropriate stockpile management. 		V	V	V
	<ul style="list-style-type: none"> • Re-use of excavated material on or off site (where possible). 		V	V	V
	<ul style="list-style-type: none"> • Special handling and disposal procedures in the event that contaminated materials are excavated. 		N/A	N/A	N/A
	Construction Wastes				
	<ul style="list-style-type: none"> • Segregation of materials to facilitate recycling/reuse (within designated area in appropriate containers/stockpiles). 		V	V	V
	<ul style="list-style-type: none"> • Appropriate stockpile management. 		V	V	V
	<ul style="list-style-type: none"> • Planning to reduce over ordering and waste generation. 		V	V	V
	<ul style="list-style-type: none"> • Recycling and re-use of materials where possible (e.g. metal, wood from formwork) 		V	V	V
	<ul style="list-style-type: none"> • For material which cannot be re-used/recycled, collection should be carried out by an approved waste contractor for landfill disposal. 		V	V	V
	Bentonite Slurries				
	<ul style="list-style-type: none"> • Bentonite slurries should be reused as far as possible. 		N/A	N/A	N/A
	<ul style="list-style-type: none"> • Disposal in accordance with <i>Practice Note For Professional Persons ProPECC PN 1/94</i>. 		N/A	N/A	N/A
	Chemical Wastes				
	<ul style="list-style-type: none"> • Storage within locked, covered and bunded area. 		V	V	V
	<ul style="list-style-type: none"> • The storage area shall not be located adjacent to sensitive receivers e.g. drains. 		V	V	V
	<ul style="list-style-type: none"> • Minimize waste production and recycle oils/solvents where possible. 		V	V	V
	<ul style="list-style-type: none"> • A spill response procedure shall be in place and absorption material available for minor spillages. 		@	@	@
	<ul style="list-style-type: none"> • Use appropriate and labelled containers. 		V	V	V
	<ul style="list-style-type: none"> • Educate site workers on site cleanliness/waste management procedures. 		V	V	V
	<ul style="list-style-type: none"> • If chemical wastes are to be generated, the contractor must register with EPD as a Chemical Waste Producer. 		V	V	V
	<ul style="list-style-type: none"> • The chemical wastes shall be collected by a licensed chemical waste collector. 		V	V	V
	Municipal Wastes				
	<ul style="list-style-type: none"> • Waste shall be stored within a temporary refuse collection facility, in appropriate containers prior to collection and disposal. 		V	V	V
	<ul style="list-style-type: none"> • Regular, daily collections are required by an approved waste collector. 		V	V	V

Ecology - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status		
			Aug 13	Sep 13	Oct 13
Ecology during Construction	Accurate Delineation of Works Area	During construction			
	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • 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				
	<ul style="list-style-type: none"> • No fires shall be lit within the works area for the purpose of burning cleared vegetation. 		V	V	V
	<ul style="list-style-type: none"> • The Contractor shall give consideration to mulching the cleared vegetation for recycling within the works area / 		V	V	V

adjacent land.			
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		
			Aug 13	Sep 13	Oct 13
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	V	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

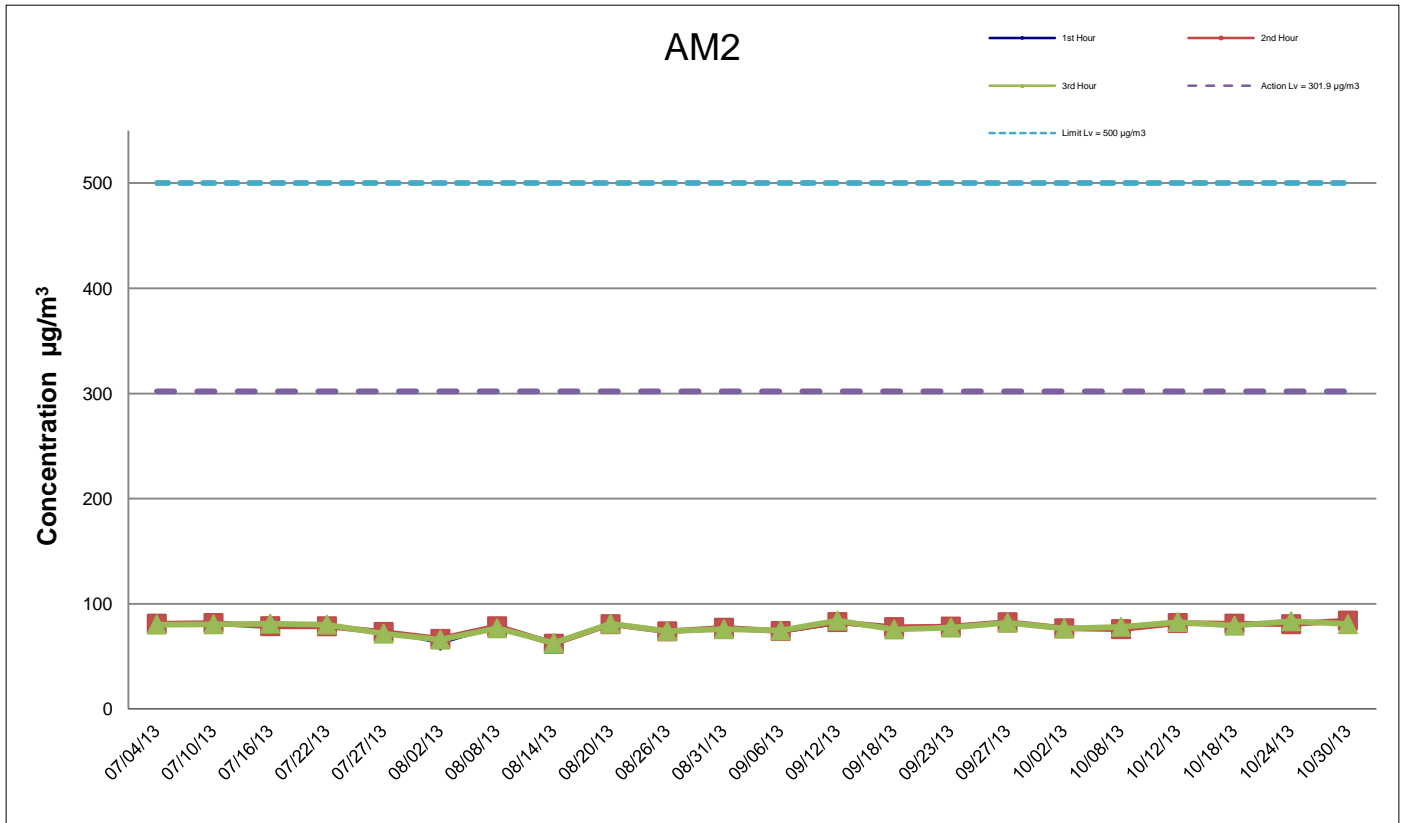
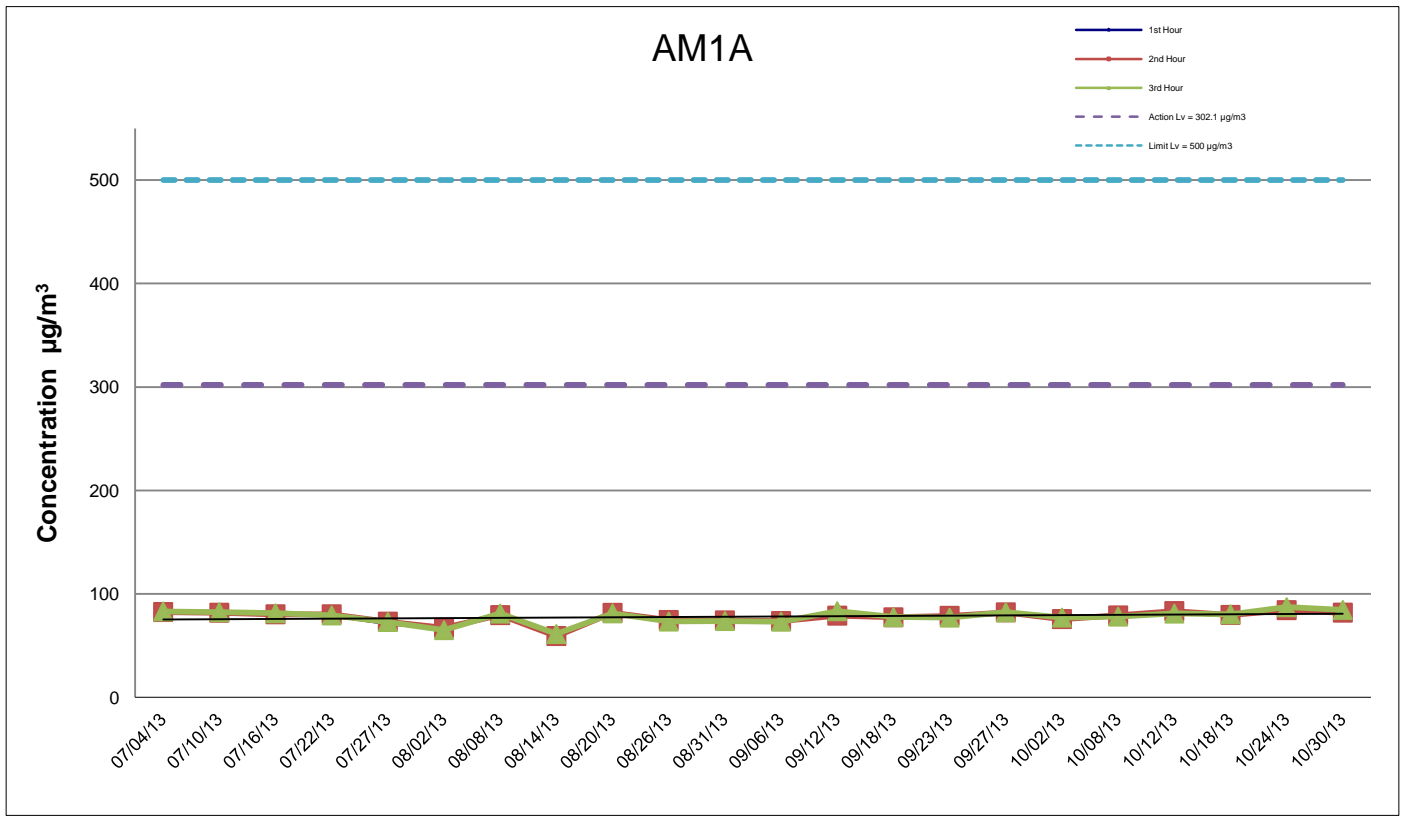
Location	Action Level	Limit Level
AM1A	176.6 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$
AM2	178.6 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$
AM3	193.1 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$
AM4A	198.5 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$

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

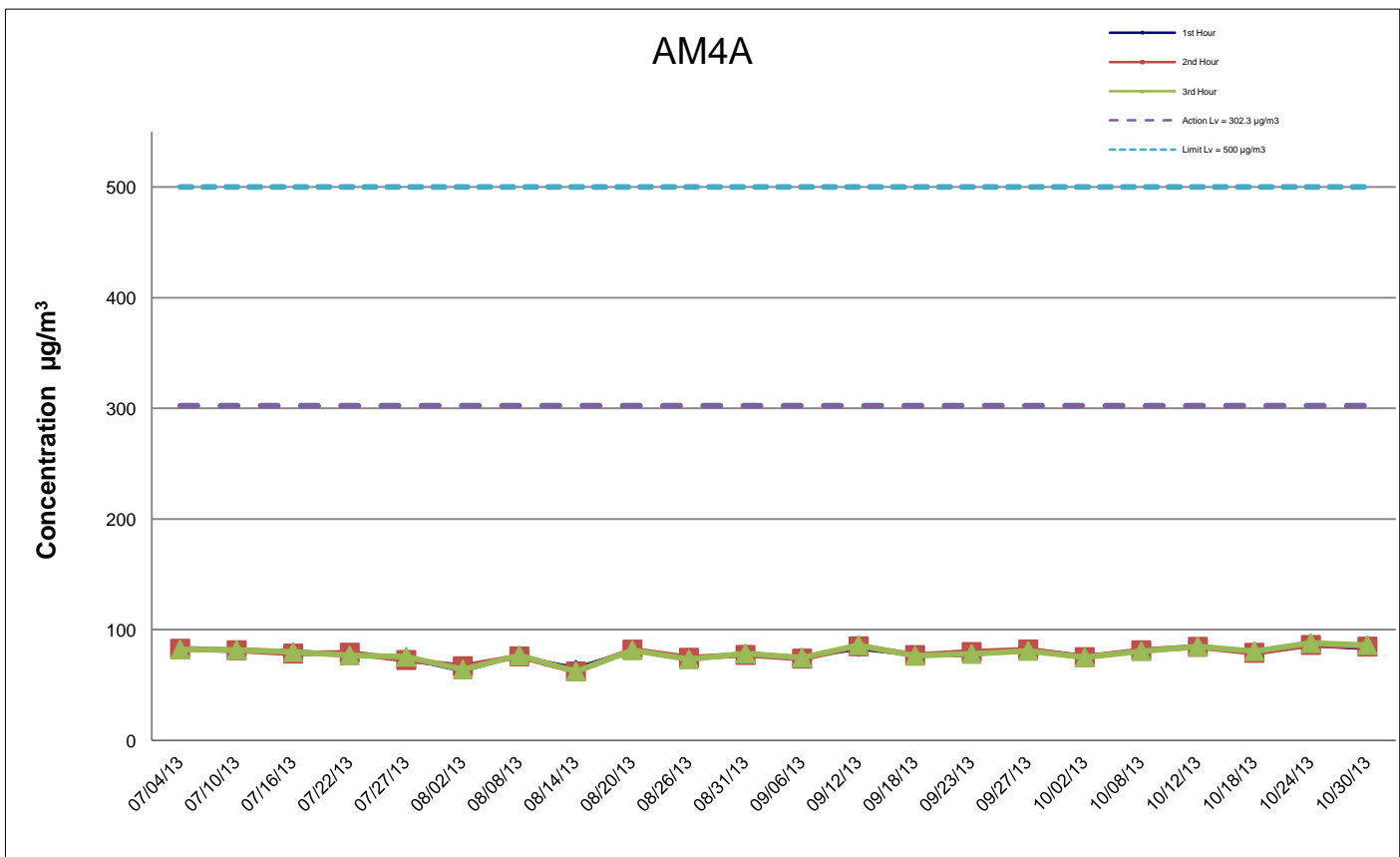
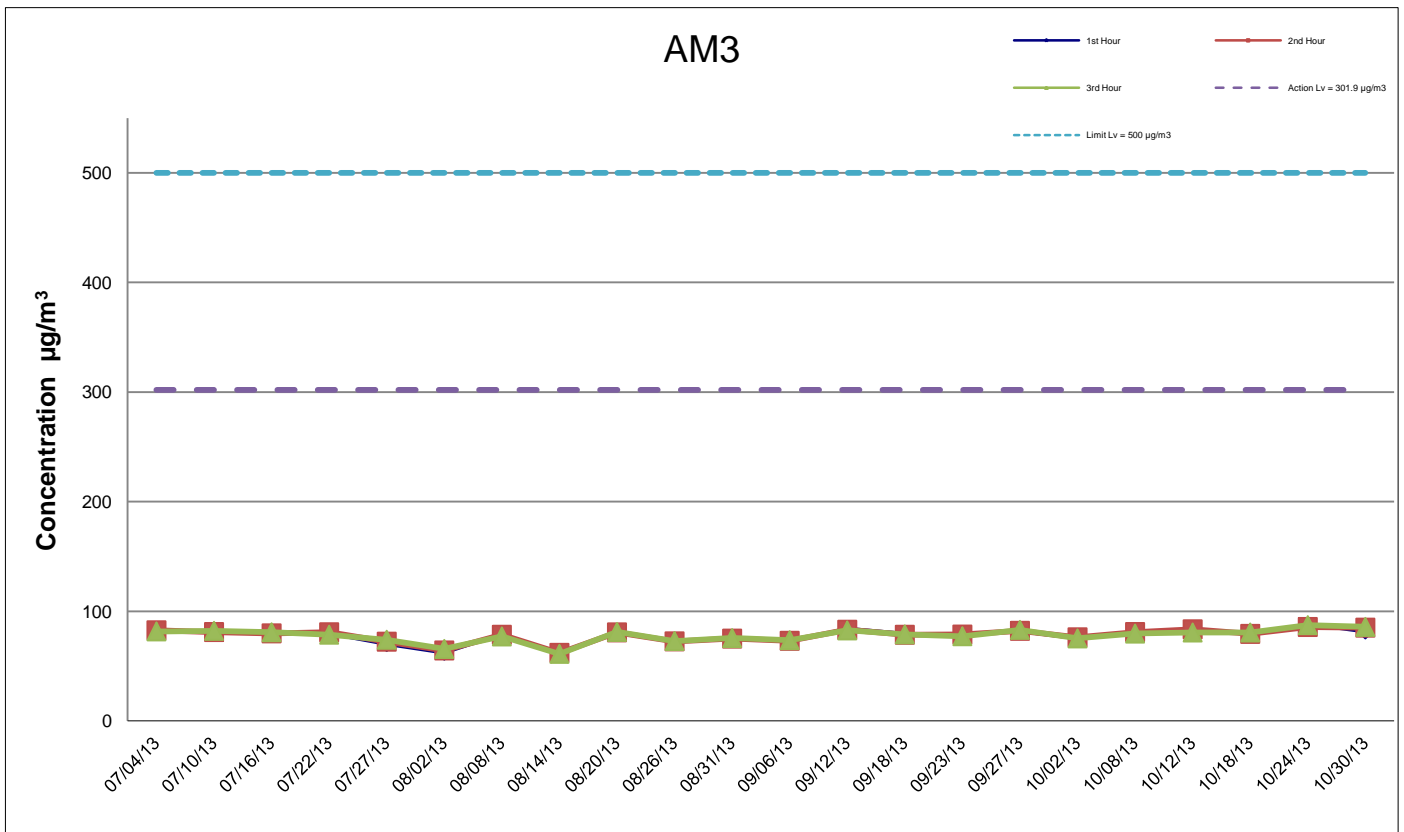
Location	Action Level	Limit Level
NM1A	When one documented complaint, related to 0700 – 1900 hours on normal weekdays, is received from any one of the sensitive receivers	75 dB(A)
NM2		75 dB(A)
NM3		65/70 dB(A)*
NM4		75 dB(A)
NM5		75 dB(A)
NM6		65/70 dB(A)*
NM7		75 dB(A)

*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**

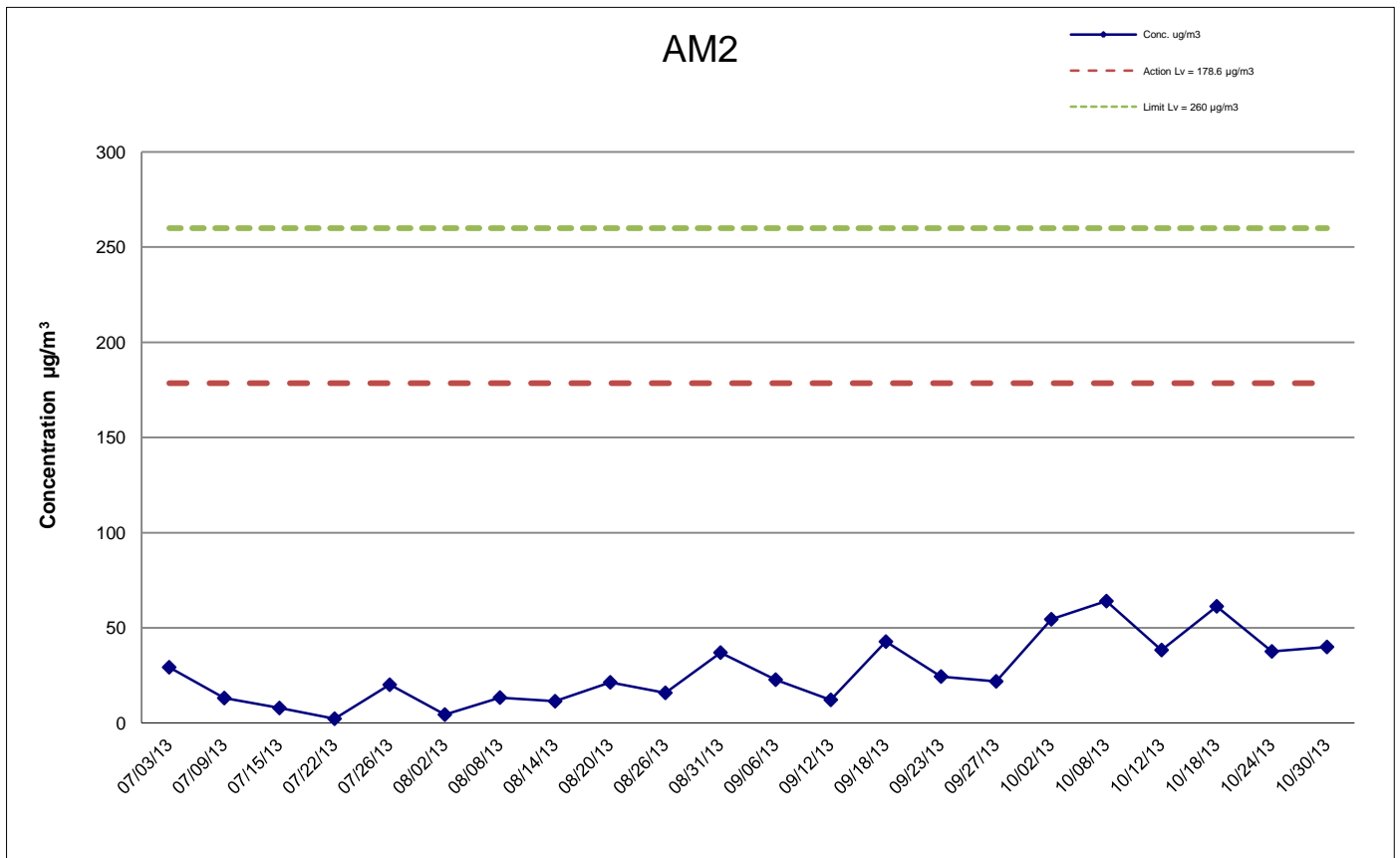
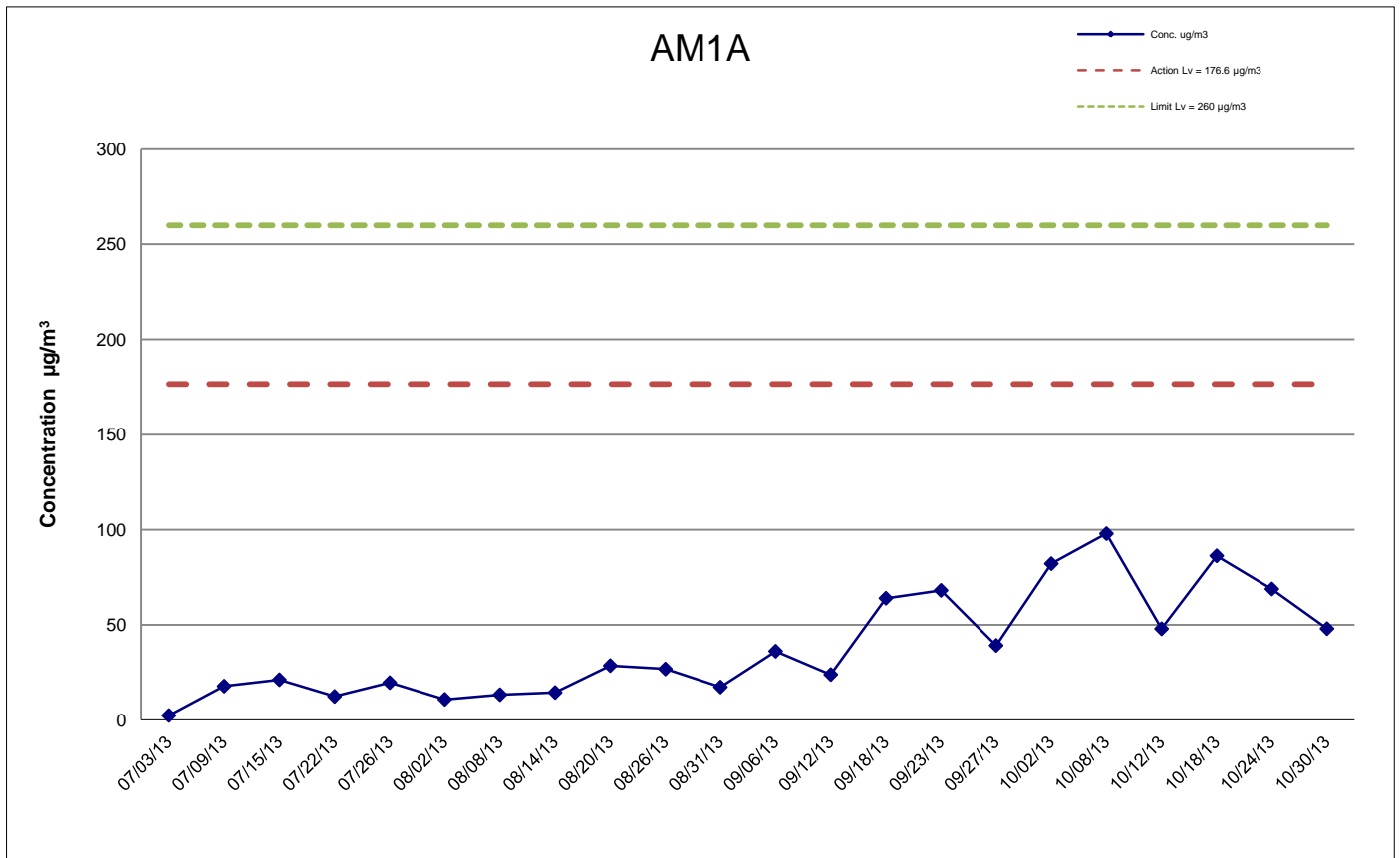


	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	Nov-13
		CHECK	ENFL	DRAWN	JCYK
	Graphical Presentation of Impact 1-hour TSP Monitoring Results	JOB NO.	60102979	APPENDIX No. E	Rev. -

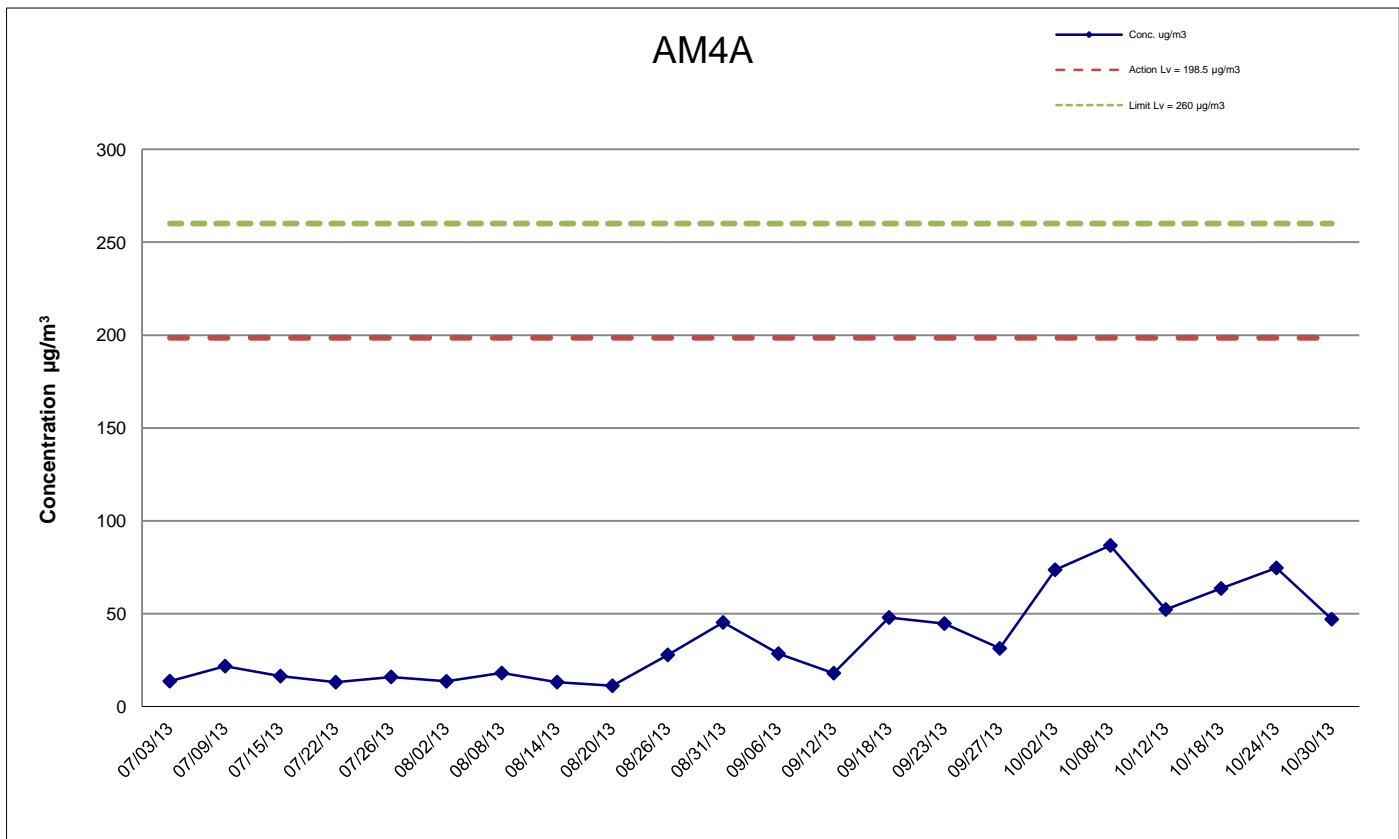
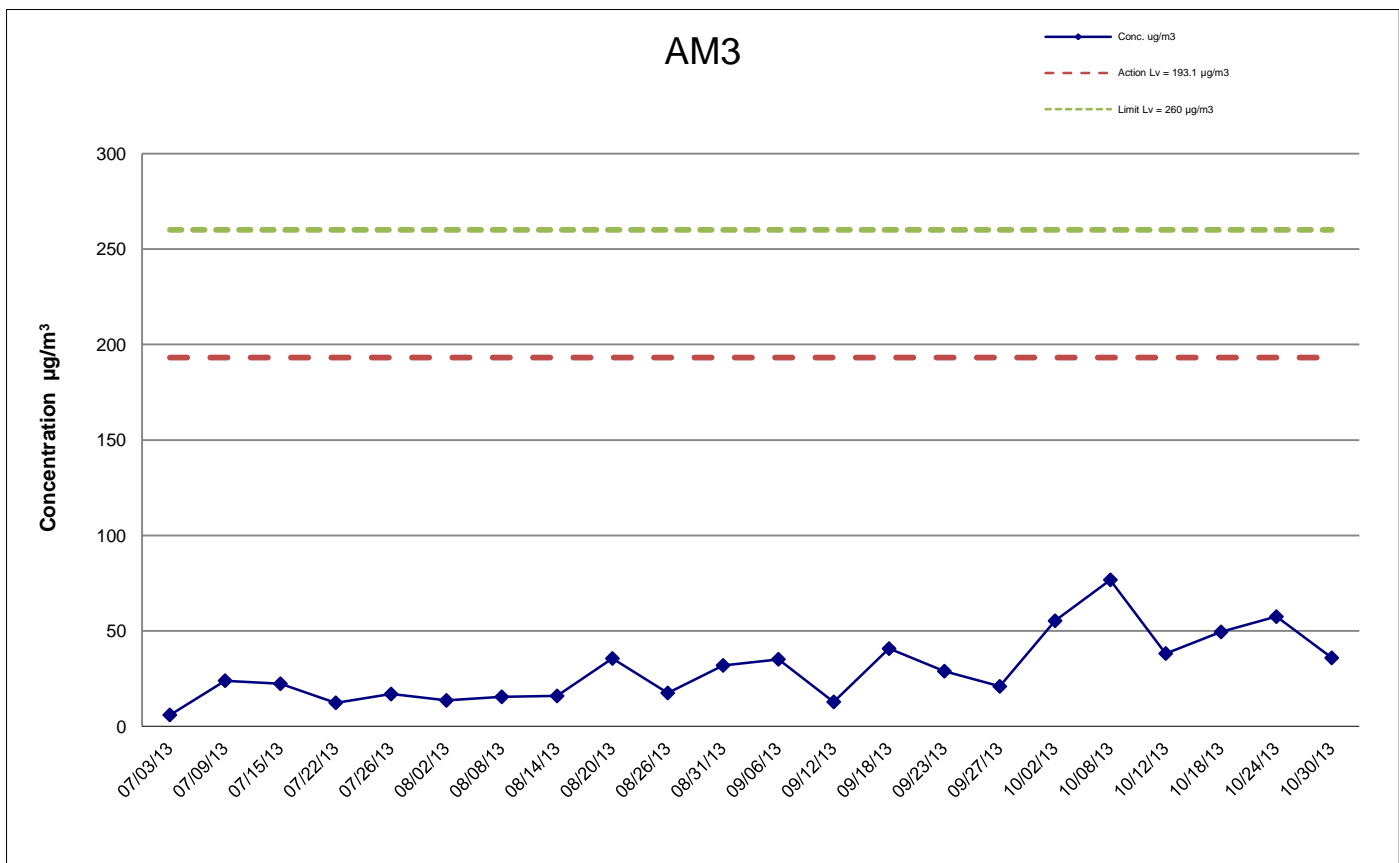


Remark: The monitoring station at Tai Kwong Secondary School (AM4) was relocated to 168 Shek Kwu Lung Village (AM4A) starting from 1 September 2011 due to the mentioned school was closed down.

	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	Nov-13
	Graphical Presentation of Impact 1-hour TSP Monitoring Results	CHECK	ENFL	DRAWN	JCYK
		JOB NO.	60102979	APPENDIX No. E	



	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	Nov-13
	Graphical Presentation of Impact 24-hour TSP Monitoring Results	CHECK	ENFL	DRAWN	JCYK
		JOB NO.	60102979	APPENDIX No.	E

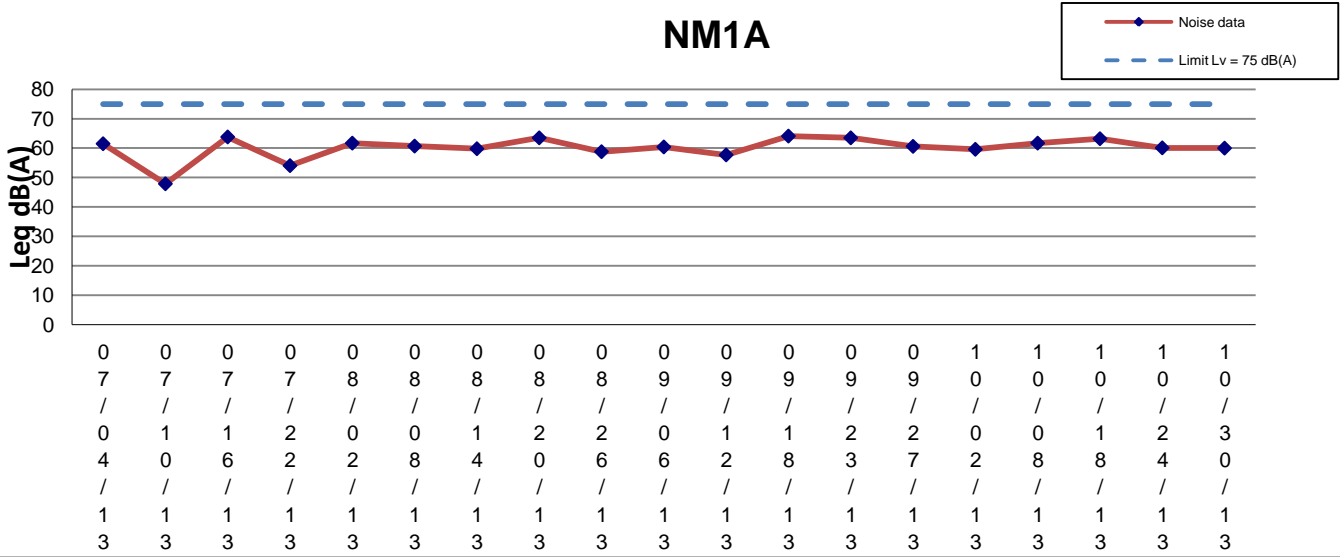


Remark: The monitoring station at Tai Kwong Secondary School (AM4) was relocated to 168 Shek Kwu Lung Village (AM4A) starting from 1 September 2011 due to the mentioned school was closed down.

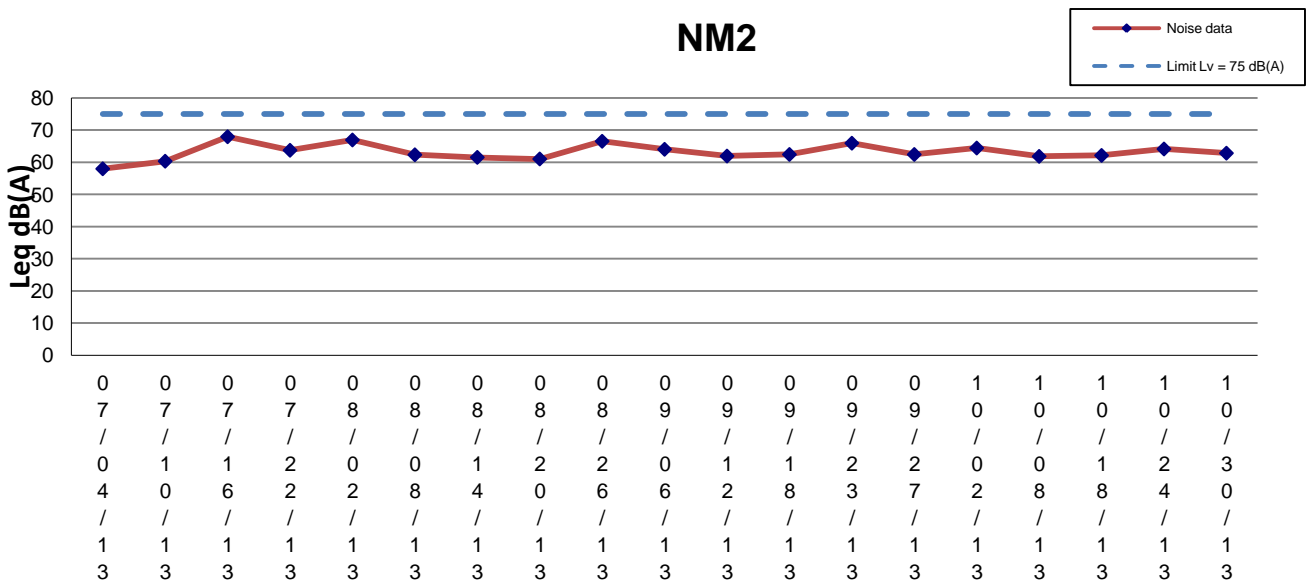
	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	Nov-13
	Graphical Presentation of Impact 24-hour TSP Monitoring Results	CHECK	ENFL	DRAWN	JCYK
		JOB NO.	60102979	APPENDIX No. E	

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

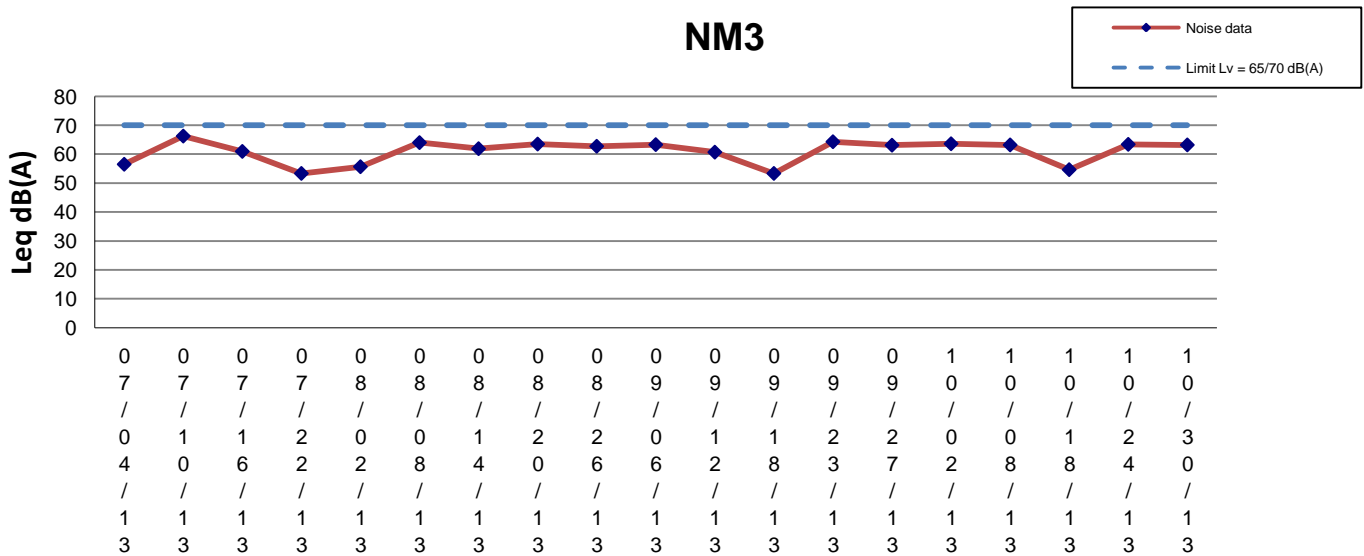
NM1A




NM2



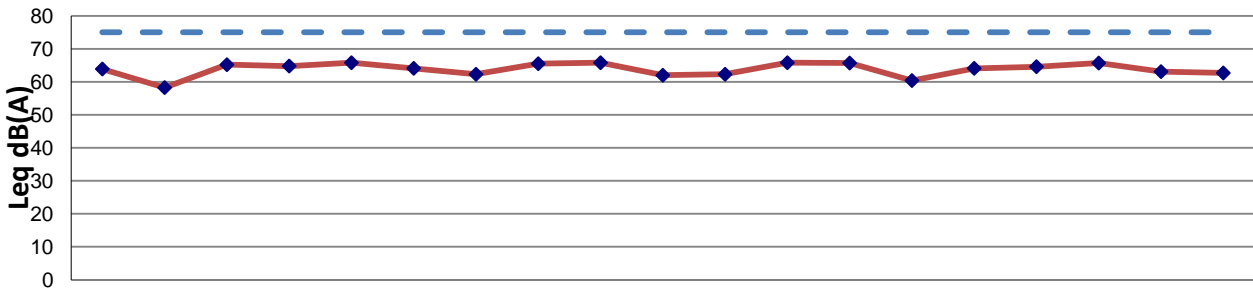
NM3



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

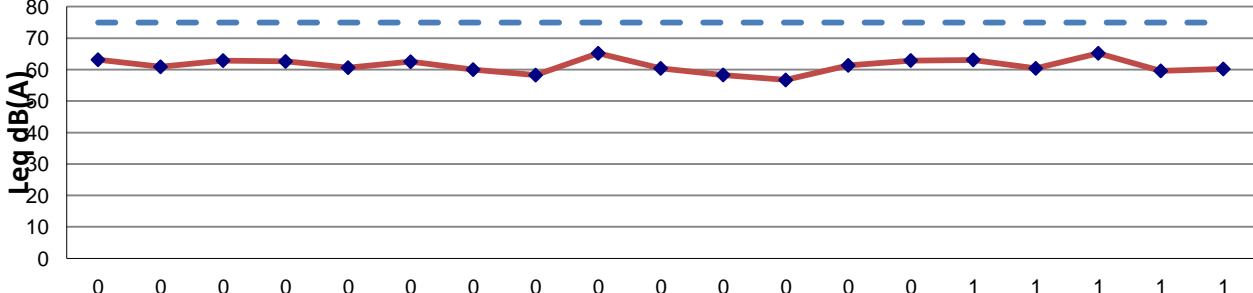
	Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation	SCALE	N.T.S.	DATE	Nov-13
		CHECK	ENFL	DRAWN	JCYK
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					-

NM4



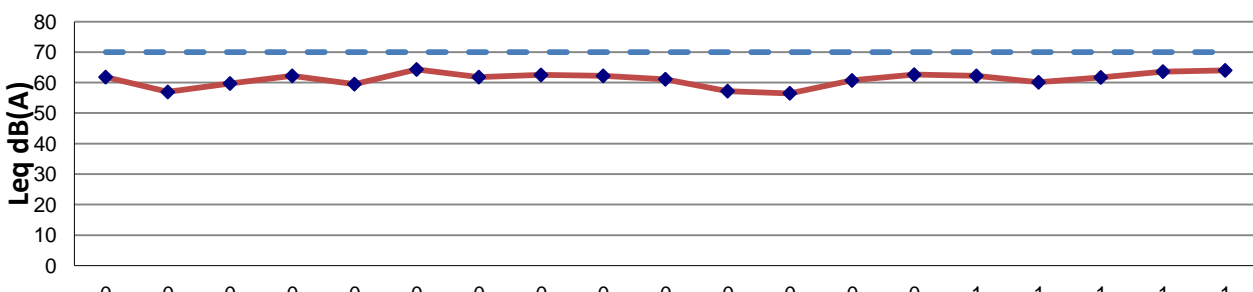
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
7	7	7	7	8	8	8	8	8	9	9	9	9	9	0	0	0	0	0
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
0	1	1	2	0	0	1	2	2	0	1	1	2	2	0	0	1	2	3
4	0	6	2	2	8	4	0	6	6	2	8	3	7	2	8	8	4	0
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

NM5



0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
7	7	7	7	8	8	8	8	8	9	9	9	9	9	0	0	0	0	0
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
0	1	1	2	0	0	1	2	2	0	1	1	2	2	0	0	1	2	3
4	0	6	2	2	8	4	0	6	6	2	8	3	7	2	8	8	4	0
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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NM6

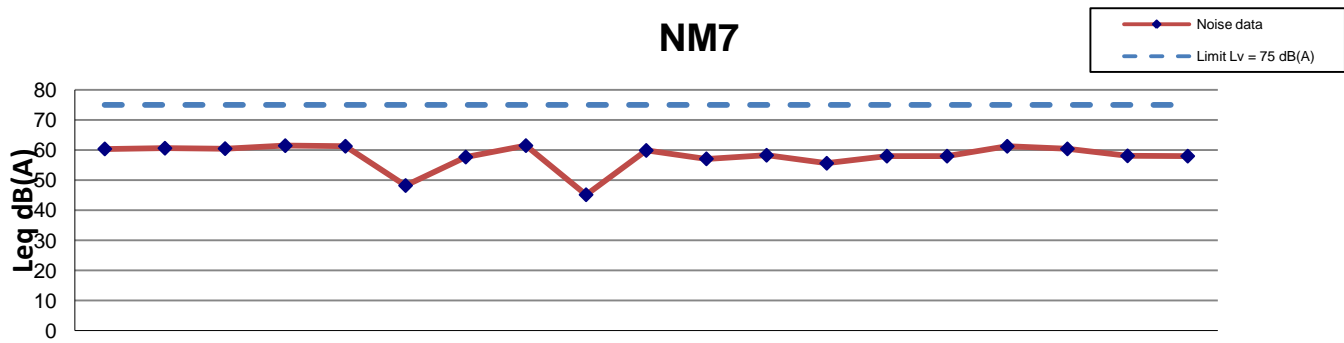


0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
7	7	7	7	8	8	8	8	8	9	9	9	9	9	0	0	0	0	0
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
0	1	1	2	0	0	1	2	2	0	1	1	2	2	0	0	1	2	3
4	0	6	2	2	8	4	0	6	6	2	8	3	7	2	8	8	4	0
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

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

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NM7



0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
7	7	7	7	8	8	8	8	8	9	9	9	9	9	0	0	0	0	0
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
0	1	1	2	0	0	1	2	2	0	1	1	2	2	0	0	1	2	3
4	0	6	2	2	8	4	0	6	6	2	8	3	7	2	8	8	4	0
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

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

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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	7 October 2013	EPD referred a complaint about dust emission in construction site of the Tolo Highway widening construction works at Ma Wo, causing nuisance to the complainant.	Closed	1	33
Notification of summons	-		-	0	0
Successful Prosecutions				0	0