

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

Monthly EM&A Report for October 2013

[11/2013]

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Reviewed & Approved:	Y T Tang	Tuylori

Version:	Rev. 0	Date:	15 November 2013

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> 12 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 (EP) No.: EP-324/2008/A
Condition 3.3 – Submission of Monthly EM&A Report for October 2013 (Stage 1)

We refer to the captioned Monthly EM&A Report received on 11 and 12 November 2013 submitted by Environmental Team (ET) via email. Pursuant to EP Condition 3.3, I hereby verify the Monthly EM&A Report for October 2013 (Stage 1) for the Project.

Yours faithfully

for MOTT MACDONALD HONG KONG LIMITED

Terence Kong

Independent Environmental Checker

c.c. HyD – Mr. Raymond T W Kong / Mr. Dennis Wong / Mr. William Chiang

(Fax: 2761 4864)

ETL, AECOM - Mr. Y T Tang

(Fax: 2317 7609)



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

Monthly EM&A Report for October 2013

[11/2013]

	Name	Signature
Prepared & Checked:	Joanne Ko	
Reviewed & Approved:	Y T Tang	

Version: Rev. 0 Date: 14 November 2013	Version:	Rev. 0	Date: 14 November 2013
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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 EP 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 and 31 October 2013. As informed by the Contract 1 Contractor (China State Construction Engineering (Hong Kong) Ltd.), construction activities in the reporting period were:-

- Temporary shoring, sheetpiling and excavation
- 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
- Modification of edge coping

The construction works carried out by the Contract 2 Contractor (Gammon Construction Ltd.) 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
- Construction of concrete profile barrier and beam barrier
- Construction of Pilecap / Spread footing of Noise Barrier / Semi Noise Enclosure
- Slope works, including installation of soil nails
- NTHA mitigation works
- Construction of retaining wall and associated mini-piles
- Noise barrier construction
- Modification of existing bridge structures
- Entrusted watermains works
- Sewer Installation
- Road and drainage works
- Landscaping works

Reporting Change

There was no reporting change required in the reporting month.

Breaches of Action and Limit Levels for Air Quality

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

Breaches of Action and Limit Levels for Noise

No Action Level exceedance of construction noise was recorded in the reporting month, since no noise complaints related to 0700 - 1900 hours on normal weekdays was received and followed by Environmental Team in the reporting month.

No Limit Level exceedance of construction noise was recorded in the reporting month.

Complaint, Notification of Summons and Successful Prosecution

There was one (1) complaint (included one (1) air related complaint) received on 7 October 2013 and followed up by Environmental Team in October 2013. Summary of investigation is described in Section 4.6.3.

No notification of summons and successful prosecution was received in the reporting month.

Future Key Issues

Key issues to be considered in the coming month included:-

- Properly store and label oils and chemicals on site;
- Chemical, chemical waste and waste management;
- Collection of construction waste should be carried out regularly:
- Site runoff should be properly collected and treated prior to discharge;
- Properly maintain all drainage facilities and wheel washing facilities on site:
- Exposed slopes should be covered up properly if no temporary work will be conducted;
- Suppress dust generated from excavation, breaking and drilling activities, haul road traffic and grout
- mixing process;
- Quieter powered mechanical equipment should be used;
- Closely check and replace the sound insulation materials wrapped at the concrete breaker tip regularly;
- Better scheduling of construction works to minimize noise nuisance; and
- Tree protective measures for all retained trees should be well maintained.

1 INTRODUCTION

1.1 Background

- 1.1.1. 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 other major strategic routes 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.
- 1.1.2. 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.

- 1.1.3. 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.
- 1.1.4. 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 4lane, 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.
- 1.1.5. 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.
- 1.1.6. 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.
- 1.1.7. 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).
- 1.1.8. 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.
- 1.1.9. AECOM Asia Co. Ltd. was employed by HyD 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.
- 1.1.10. The construction phase of Stage 1 under the EP commenced on 23 November 2009.
- 1.1.11. 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.

1.2 Scope of Report

1.2.1 This is the forty-eighth monthly EM&A 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 in October 2013.

1.3 Project Organization

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

Table 1.1 Contact Information of Key Personnel

Party	Position	Name	Telephone	Fax
ER of Stage 1, Contract 1 (Hyder-Arup-Black & Veatch Joint Venture)	Chief Resident Engineer /TOLO1	James Tsang	9038 8797	26674000
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	Site Agent	Eddie Tang	9863 7686	2667 5666
(China State Construction Engineering (Hong	Environmental Officer	Michael Tsang	9277 4956	2667 5666
Kong) Limited)	Environmental emeer	M L Lam	9489 4641	2667 5666
	Site Agent	John Chan	3126 1202	2559 3410
Contractor of Stage 1, Contract 2		Thomson Chang	9213 6569	2559 3410
(Gammon Construction Limited)	Environmental Officer	Crispin Ao	9223 8773	2559 3410
		Ao Ho Fo	9220 5848	2559 3410
ET of Stage 1 (AECOM Asia	ET Leader	Y T Tang	3922 9393	3922 9797
Company Limited)				

1.4 Summary of Construction Works

- 1.4.1 The construction phase of Stage 1 under the EP commenced on 23 November 2009.
- 1.4.2 Details of the construction works carried out by the Contract 1 Contractor (China State Construction Engineering (Hong Kong) Ltd.) in this reporting period are listed below:-
 - Temporary shoring, sheetpiling and excavation
 - 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
 - Modification of edge coping
- 1.4.3 Details of the construction works carried out by the Contract 2 Contractor (Gammon Construction Ltd.) in this reporting period are listed below:-
 - 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
 - Construction of concrete profile barrier and beam barrier
 - Construction of Pilecap / Spread footing of Noise Barrier / Semi Noise Enclosure
 - Slope works, including installation of soil nails
 - NTHA mitigation works
 - Construction of retaining wall and associated mini-piles
 - Noise barrier construction
 - Modification of existing bridge structures
 - Entrusted watermains works
 - Sewer Installation
 - Road and drainage works
 - Landscaping works
- 1.4.4 The Construction Programmes are shown in Appendix B.
- 1.4.5 The general layout plan of the Project site showing the contract areas is shown in Figure 1.1.
- 1.4.6 The environmental mitigation measures implementation schedule are presented in Appendix C.

1.5 Summary of EM&A Programme Requirements

- 1.5.1 The EM&A programme required environmental monitoring for air quality, noise and environmental site inspections for air quality, water quality, noise, waste management, ecology, and landscape and visual impact. The EM&A requirements for each parameter described in the following sections include:-
 - All monitoring parameters;
 - Monitoring schedules for the reporting month and forthcoming months;
 - Action and Limit levels for all environmental parameters;
 - Event / Action Plan;
 - Environmental mitigation measures, as recommended in the Project EIA study final report; and
 - Environmental requirement in contract documents.



2 AIR QUALITY MONITORING

2.1 Monitoring Requirements

2.1.1 In accordance with the updated EM&A Manual, baseline 1-hour and 24-hour TSP levels at 4 air quality monitoring stations were established. Impact 1-hour TSP monitoring was conducted for at least three times every 6 days, while impact 24-hour TSP monitoring was carried out for at least once every 6 days. The Action and Limit level of the air quality monitoring is provided in Appendix D.

2.2 Monitoring Equipment

2.2.1 24-hour TSP air quality monitoring was performed using High Volume Sampler (HVS) located at each designated monitoring station. The HVS meets all the requirements of the updated EM&A Manual. Portable direct reading dust meters were used to carry out the 1-hour TSP monitoring. Brand and model of the equipment is given in Table 2.1.

Table 2.1 Air Quality Monitoring Equipment

Equipment	Brand and Model
Portable direct reading dust meter (1-hour TSP)	Sibata Digital Dust Monitor (Model No. LD-3 and LD-3B)
High Volume Sampler (24-hour TSP)	Tisch Total Suspended Particulate Mass Flow Controlled High Volume Air Sampler (Model No. TE-5170 & GMW-2310)

2.3 Monitoring Locations

- 2.3.1 Monitoring locations AM2 and AM3 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, baseline and impact air quality monitoring was conducted at 13 Ha Wun Yiu (AM1) and Tai Kwong Secondary School (AM4) respectively. The monitoring station at 13 Ha Wun Yiu (AM1) was relocated to Fan Sin Temple, 3 Sheung Wun Yiu (AM1A) in February 2010. Also, the monitoring station at Tai Kwong Secondary School (AM4) was relocated to 168 Shek Kwu Lung Village (AM4A) in September 2011.
- 2.3.2 Figure 2.1 shows the locations of monitoring stations. Table 2.2 describes the details of the monitoring stations.

Table 2.2 Locations of Impact Air Quality Monitoring Stations

Monitoring Station	Location	Description
AM1A	3 Sheung Wun Yiu	Ground floor at the boundary outside Fan Sin Temple
AM2	12 Shan Tong New Village	Ground floor outside the premises
AM3	Riverain Bayside	Roof of the switch room
AM4A	168 Shek Kwu Lung Village	Roof of the switch room



2.4 Monitoring Parameters, Frequency and Duration

2.4.1 Table 2.3 summarizes the monitoring parameters, frequency and duration of impact TSP monitoring.

Table 2.3 Air Quality Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration
1-hour TSP	Three times every 6 days while the highest dust impact was expected
24-hour TSP	Once every 6 days

2.5 Monitoring Methodology

2.5.1 24-hour TSP Monitoring

- (a) The HVS was installed in the vicinity of the air sensitive receivers. The following criteria were considered in the installation of the HVS.
 - (i) A horizontal platform with appropriate support to secure the sampler against gusty wind was provided.
 - (ii) The distance between the HVS and any obstacles, such as buildings, was at least twice the height that the obstacle protrudes above the HVS.
 - (iii) A minimum of 2 meters separation from walls, parapets and penthouse for rooftop sampler.
 - (iv) A minimum of 2 meters separation from any supporting structure, measured horizontally.
 - (v) No furnace or incinerator flues nearby.
 - (vi) Airflow around the sampler was unrestricted.
 - (vii) Permission was obtained to set up the samplers and access to the monitoring stations.
 - (viii) A secured supply of electricity was obtained to operate the samplers.
 - (ix) The sampler was located more than 20 meters from any dripline.
 - (x) Any wire fence and gate, required to protect the sampler, did not obstruct the monitoring process.
 - (xi) Flow control accuracy was kept within ±2.5% deviation over 24-hour sampling period.

(b) Preparation of Filter Papers

- (i) Glass fibre filters, G810 were labelled and sufficient filters that were clean and without pinholes were selected.
- (ii) All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ±3 °C; the relative humidity (RH) was < 50% and not variable by more than ±5%. A convenient working RH was 40%.
- (iii) All filter papers were prepared and analysed by ALS Technichem (HK) Pty Ltd., which is a HOKLAS accredited laboratory and has comprehensive quality assurance and quality control programmes.

(c) Field Monitoring

- (i) The power supply was checked to ensure the HVS works properly.
- (ii) The filter holder and the area surrounding the filter were cleaned.
- (iii) The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.
- (iv) The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
- (v) The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied was sufficient to avoid air leakage at the edges.
- (vi) Then the shelter lid was closed and was secured with the aluminum strip.



- (vii) The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.
- (viii) A new flow rate record sheet was set into the flow recorder.
- On site temperature and atmospheric pressure readings were taken and the flow rate of the HVS was checked and adjusted at around 1.1 m³/min, and complied with the range specified in the updated EM&A Manual (i.e. 0.6-1.7 m³/min).
- (x) The programmable digital timer was set for a sampling period of 24 hrs, and the starting time, weather condition and the filter number were recorded.
- (xi) The initial elapsed time was recorded.
- (xii) At the end of sampling, on site temperature and atmospheric pressure readings were taken and the final flow rate of the HVS was checked and recorded.
- (xiii) The final elapsed time was recorded.
- (xiv) The sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.
- (xv) It was then placed in a clean plastic envelope and sealed.
- (xvi) All monitoring information was recorded on a standard data sheet.
- (xvii) Filters were then sent to ALS Technichem (HK) Pty Ltd. for analysis.

(d) Maintenance and Calibration

- (i) The HVS and its accessories were maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
- (ii) 5-point calibration of the HVS was conducted using TE-5025A Calibration Kit prior to the commencement of baseline monitoring. Bi-monthly 5-point calibration of the HVS will be carried out during impact monitoring.
- (iii) Calibration certificate of the HVSs are provided in Appendix E.

2.5.2 1-hour TSP Monitoring

(a) Measuring Procedures

The measuring procedures of the 1-hour dust meter were in accordance with the Manufacturer's Instruction Manual as follows:-

- (i) Turn the power on.
- (ii) Close the air collecting opening cover.
- (iii) Push the "TIME SETTING" switch to [BG].
- (iv) Push "START/STOP" switch to perform background measurement for 6 seconds.
- (v) Turn the knob at SENSI ADJ position to insert the light scattering plate.
- (vi) Leave the equipment for 1 minute upon "SPAN CHECK" is indicated in the display.
- (vii) Push "START/STOP" switch to perform automatic sensitivity adjustment. This measurement takes 1 minute.
- (viii) Pull out the knob and return it to MEASURE position.
- (ix) Push the "TIME SETTING" switch the time set in the display to 3 hours.
- (x) Lower down the air collection opening cover.
- (xi) Push "START/STOP" switch to start measurement.

(b) Maintenance and Calibration

- (i) The 1-hour TSP meter was calibrated at 1-year intervals against a continuous particulate TEOM Monitor, Series 1400ab. Calibration certificates of the Laser Dust Monitors are provided in Appendix E.
- (ii) 1-hour validation checking of the TSP meter against HVS is carried out yearly at the air quality monitoring locations.

2.6 Monitoring Schedule for the Reporting Month

2.6.1 The schedule for environmental monitoring in October 2013 is provided in Appendix F.

2.7 Monitoring Results

2.7.1 The baseline condition of air quality in the Project site was reviewed in October and November 2009. A baseline monitoring of air quality, in terms of 1-hour Total Suspended Particulates (TSP) and 24-hour TSP, was carried out from 20 October 2009 to 4 November 2009 for 14 days. The baseline monitoring report was submitted by ETL and approved by the ER and the IEC on 9 November 2009. Action Levels for air quality were established and are summarized in Table 2.4, Table 2.5 and Appendix D.

2.8 Results and Observations

2.8.1 The monitoring results for 1-hour TSP and 24-hour TSP are summarized in Table 2.4 and 2.5 respectively. Detailed impact air quality monitoring results are presented in Appendix G.

Table 2.4 Summary of 1-hour TSP Monitoring Results in the Reporting Period

	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
AM1A	81.0	75.6 – 87.1	302.1	500
AM2	80.1	75.8 – 84.0	301.9	500
AM3	81.5	74.9 – 88.1	301.9	500
AM4A	81.9	75.0 – 87.9	302.3	500

Table 2.5 Summary of 24-hour TSP Monitoring Results in the Reporting Period

	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
AM1A	71.9	47.9 – 97.9	176.6	260
AM2	49.3	37.6 – 64.0	178.6	260
AM3	52.2	35.9 – 76.7	193.1	260
AM4A	66.3	47.0 – 86.7	198.5	260

- 2.8.2 The major dust source in the reporting period included construction activities from Stage 1 of the Project, as well as nearby traffic emissions.
- 2.8.3 All 1-hour and 24-hour TSP results were below the Action and Limit Level at all monitoring locations in the reporting month.
- 2.8.4 The event action plan is annexed in Appendix J.
- 2.8.5 Weather information including wind speed and wind direction is annexed in Appendix H. The information was obtained from Hong Kong Observatory Sha Tin and Tai Mei Tuk Automatic Weather Station. As some of the weather data in October 2013 from the Tai Mei Tuk Automatic Weather Station were missing, the weather data from Tai Po Automatic Weather Station in October 2013 are included in Appendix H for supplementary purpose.

3 NOISE MONITORING

3.1 Monitoring Requirements

3.1.1 In accordance with the EM&A Manual, impact noise monitoring was conducted for at least once per week during the construction phase of Stage 1 of the Project. The Action and Limit level of the noise monitoring is provided in Appendix D.

3.2 Monitoring Equipment

3.2.1 Noise monitoring was performed using sound level meter at each designated monitoring station. The sound level meters deployed comply with the International Electrotechnical Commission Publications (IEC) 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Acoustic calibrator was deployed to check the sound level meters at a known sound pressure level. Brand and model of the equipment is given in Table 3.1.

Table 3.1 Noise Monitoring Equipment

Equipment	Brand and Model
Integrated Sound Level Meter	B&K 2250-L / B&K 2238
Acoustic Calibrator	Rion NC-73

3.3 Monitoring Locations

- 3.3.1 Monitoring stations NM3, NM6 and NM7 were set up at the proposed locations in accordance with updated EM&A Manual. However, for monitoring locations: Tai Po Garden (NM1), Dynasty View (NM2), Hong Kong Teachers' Association Lee Heng Kwei Secondary School (NM4) and Grand Palisades (NM5), proposed in the updated EM&A Manual, impact noise monitoring was conducted at alternative monitoring locations, as approval of access could not be obtained from the owner's corporation of the premises or the principal of the education institutes. The monitoring station at Tai Kwong Secondary School (NM1) was relocated to 168 Shek Kwu Lung Village (NM1A) in September 2011.
- 3.3.2 Figure 2.1 shows the locations of the monitoring stations. Table 3.2 describes the details of the monitoring stations.

Table 3.2 Locations of Impact Noise Monitoring Stations

Monitoring Station	Location	Description
NM1A	168 Shek Kwu Lung Village	1m from the exterior wall of the village house
NM2	38 Ha Wun Yiu	1.2m from the ground floor free-field of the village house
NM3	Wong Shiu Chi Middle School	1m from the exterior of the roof top façade of the New Wing
NM4	Uptown Plaza	1m from the exterior of the roof top façade of Block 4
NM5	The Paragon	1m from the exterior of the roof top façade of the club house
NM6	PLK Tin Ka Ping Primary School	1.2m ground floor free-field near the entrance
NM7	Riverain Bayside	1m from the exterior of the roof façade of the switch room



3.4 Monitoring Parameters, Frequency and Duration

3.4.1 Table 3.3 summarizes the monitoring parameters, frequency and duration of impact noise monitoring.

Table 3.3 Noise Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration		
30-mins measurement at each monitoring station between 0700 and 1900 on normal weekdays. $L_{\rm eq},L_{\rm 10}$ and $L_{\rm 90}$ would be recorded.	At least once per week		

3.5 Monitoring Methodology

3.5.1 Monitoring Procedure

- (a) Façade measurements were made at all monitoring locations, except monitoring stations NM2 and NM6.
- (b) The sound level meter was set on a tripod at a height of 1.2 m above the ground for free-field measurements at NM2 and NM6.
- (c) The battery condition was checked to ensure the correct functioning of the meter.
- (d) Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:-
 - (i) frequency weighting: A
 - (ii) time weighting: Fast
 - (iii) time measurement: $L_{eq(30\text{-minutes})}$ during non-restricted hours i.e. 07:00-1900 on normal weekdays; $L_{eq(5\text{-minutes})}$ during restricted hours i.e. 19:00-23:00 and 23:00-07:00 of normal weekdays, whole day of Sundays and Public Holidays
- (e) Prior to and after each noise measurement, the meter was calibrated using the acoustic calibrator for 94dB(A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1 dB(A), the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.
- (f) During the monitoring period, the L_{eq} , L_{10} and L_{90} were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- (g) Noise measurement was paused during periods of high intrusive noise (e.g. dog barking, helicopter noise) if possible. Observations were recorded when intrusive noise was unavoidable.
- (h) Noise monitoring was cancelled in the presence of fog, rain, wind with a steady speed exceeding 5m/s, or wind with gusts exceeding 10m/s.

3.5.2 Maintenance and Calibration

- (a) The microphone head of the sound level meter was cleaned with soft cloth at regular intervals.
- (b) The meter and calibrator were sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
- (c) Calibration certificates of the sound level meters and acoustic calibrators are provided in Appendix E.

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3.6 Monitoring Schedule for the Reporting Month

3.6.1 The schedule for environmental monitoring in October 2013 is provided in Appendix F.

3.7 Monitoring Results

3.7.1 The monitoring results for construction noise are summarized in Table 3.4 and the monitoring data is provided in Appendix I.

Table 3.4 Summary of Construction Noise Monitoring Results in the Reporting Period

	Average, dB(A),	Range, dB(A),	Limit Level, dB(A),
	L _{eg (30 mins)}	L _{eg (30 mins)}	L _{eg (30 mins)}
NM1A	61.1	59.6 – 63.2	75
NM2	63.2*	61.8 – 64.4*	75
NM3	62.5	54.6 – 63.6	70#
NM4	64.2	62.7 – 65.7	75
NM5	62.3	59.6 – 65.2	75
NM6	62.5*	60.1 – 64.0*	70#
NM7	59.4	58.0 – 61.3	75

^{*+3}dB(A) Facade correction included

- 3.7.2 There was no noise complaint related to 0700 1900 hours on normal weekdays was received and followed up by Environmental Team in the reporting period. Hence, no Action Level exceedance was recorded.
- 3.7.3 No noise monitoring result exceeding the Limit Level was recorded at all monitoring stations in the reporting month.
- 3.7.4 Major noise sources during the noise monitoring included construction activities of Stage 1 of the Project and nearby traffic noise and general school activities.
- 3.7.5 The event action plan is annexed in Appendix J.

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

4 ENVIRONMENTAL SITE INSPECTION AND AUDIT

4.1 Site Inspection

- 4.1.1 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 month, 4 site inspections were carried out on 2, 9, 16, 23 and 30 October 2013 for Contract 1 of the Project, and 4 site inspections for Contract 2 of the Project were carried out on 3, 10, 17, 24 and 31 October 2013.
- 4.1.2 The environmental site inspections summaries are provided in Appendix K.
- 4.1.3 Particular observations during the site inspections for Contract 1 are described below:

Air Quality

4.1.4 No adverse observation was identified in the reporting month.

Noise

4.1.5 No adverse observation was identified in the reporting month.

Water Quality

4.1.6 No adverse observation was identified in the reporting month.

Chemical and Waste Management

4.1.7 The Contractor was reminded to provide a drip tray to hold the oil cans or remove the oil cans.

Landscape and Visual Impact

4.1.8 No adverse observation was identified in the reporting month.

Miscellaneous

- 4.1.9 No adverse observation was identified in the reporting month.
- 4.1.10 Particular observations and reminder during the site inspections for Contract 2 are described below:

Air Quality

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

Noise

4.1.12 No adverse observation was identified in the reporting month.

Water Quality

4.1.13 No adverse observation was identified in the reporting month.

Chemical and Waste Management



- 4.1.14 The contractor was reminded to remove the general refuse at W74.
- 4.1.15 The contractor was reminded to provide a larger drip try to hold oil drums at Lam Kam Bridge.
- 4.1.16 The Contractor was reminded to remove the oil drum or provide a drip tray for holding the oil drum at Lam Kam Bridge.

Landscape and Visual Impact

4.1.17 No adverse observation was identified in the reporting month.

Miscellaneous

4.1.18 No adverse observation was identified in the reporting month.

4.2 Advice on the Solid and Liquid Waste Management Status

- 4.2.1 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.
- 4.2.2 As advised by the Contract 1 Contractor (CSHK), 414m³ of inert C&D material was disposed as public fill to Tuen Mun 38 (of which 0m³ was broken concrete), while 91m³ of general refuse was disposed at NENT landfill. 87kg of paper/cardboard packaging, 2,831kg of plastics and 0kg of metals were collected by recycling contractor in the reporting month. 1,268m³ and 514m³ of inert C&D materials were reused on site and reused in NENT for backfilling purpose respectively. 0kg of chemical waste was collected by licensed contractor in the reporting period.
- 4.2.3 As advised by the Contract 2 Contractor (GCL), 420m³ of inert C&D material were disposed to Tuen Mun 38 and 155m³ general refuse was disposed to NENT landfill in the reporting period. 0kg of paper/cardboard packaging, metals and plastics was collected by recycling contractor in the reporting month. Besides, no chemical waste or metals was collected by licensed contractor in the reporting period.
- 4.2.4 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.

4.3 Environmental Licenses and Permits

4.3.1 The environmental licenses and permits for Stage 1 of the Project and valid in the reporting month is summarized in Table 4.1.

Table 4.1 Summary of Environmental Licensing and Permit Status

Statutory Reference	License/ Permit	License or Permit No.			License/ Permit	Remarks
Reference	Permit	Permit No.	From	То	Holder	
EIAO	Environmental Permit	EP- 324/2008/A	31/01/2012	N/A	HyD	Tolo Highway/Fanling Highway between Island House Interchange and Ma Wo
WPCO	Discharge License (Office)	WT00005096 -2009	03/12/2009	31/12/2014	CSHK	Discharge at Site Office



Statutory	License/	License or	Valid Period		License/ Permit	Remarks
Reference	Permit	Permit No.	From	То	Holder	
	Discharge License (Site)	WT00005445 -2009	15/12/2009	31/12/2014	CSHK	Discharge of Construction Runoff
	Discharge License (Office)	WT00006782 -2010	25/06/2010	30/06/2015	GCL	Discharge at Site Office
	Discharge License (Site)	WT00007162 -2010	09/08/2010	31/07/2015	GCL	Discharge of Construction Runoff
WDO	Chemical Waste	5213-727- C3249-46	25/09/2009	N/A	CSHK	Chemical waste produced in Contract HY/2008/09
	Producer Registration	5213-722- G2347-18	18/05/2010	N/A	GCL	Chemical waste produced in Contract HY/2009/08
WDO	Billing Account for Disposal of	7009328	08/09/2009	N/A	CSHK	Waste disposal in Contract HY/2008/09
VVDO	Construction Waste	7010320	02/03/2010	N/A	GCL	Waste disposal in Contract HY/2009/08
		GW- RN0226-13	24/04/2013	23/10/2013	CSHK	Construction of W4 - NLKRB South Abutment
		GW- RN0388-13	27/07/2013	06/10/2013	CSHK	Modification of Sign Gantry_G11, 73, 74, 75 & 76
		GW- RN0417-13	21/07/2013	17/01/2014	CSHK	Construction works at Island House Interchange
		GW- RN0422-13	29/07/2013	31/12/2013	CSHK	Road Paving on Tolo Highway at Island House Interchange
NOO	Construction Noise Permit	GW- RN0454-13	14/08/2013	06/10/2013	CSHK	Modification of G 12
NCO		GW- RN0468-13	19/08/2013	23/01/2014	CSHK	Routine Road Maintenance
		GW- RN0479-13	21/08/2013	15/11/2013	CSHK	Lifting Operation at W20A
		GW- RN0507-13	28/08/2013	31/10/2013	СЅНК	Road Pavement at North Bound of Tolo Highway near The Paragon and Ma Wo
		GW- RN0512-13	01/09/2013	31/10/2013	CSHK	Carrying out construction works within MTRC's tracks protection zone



Statutory Reference	License/ Permit	License or Permit No.	Valid l	Period	License/ Permit	Remarks
Reference	rennit	Permit No.	From	То	Holder	
		GW- RN0513-13	07/09/2013	03/11/2013	CSHK	Road Marking Alternation near Sign Gantry G14
		GW- RN0524-13	04/09/2013	15/11/2013	CSHK	Sign Gantry at Tolo Highway between Yuen Chau Tsai and Ma Wo
		GW- RN0525-13	16/09/2013	30/11/2013	CSHK	Stitching Works on Bridge 11
		GW- RN0561-13	02/10/2013	01/04/2014	CSHK	Modification of Sign Gantry_G11, G13, G70, G73, G74, G75 & G76
		GW- RN0564-13	28/09/2013	22/12/2013	СЅНК	Road Paving Reconstruction on Tolo Highway (Fanling Bound) near Shan Tong Road
		GW- RN0566-13	25/09/2013	30/11/2013	CSHK	Road Paving Reconstruction on Slip Road from Tai Po Road-Yuen Chau Tsai
		GW- RN0572-13	07/09/2013	03/12/2013	CSHK	Modification of Sign Gantry_G14, G15, G16, G17, G65, G66, G67 & G68
		GW- RN0582-13	06/10/2013	22/12/2013	CSHK	Road Paving for slip road from Tai Po Road-Yuen Chau Tsai
		GW- RN0584-13	05/10/2013	24/11/2013	CSHK	Road Marking Alternation at Tolo Highway near Shan Tong Road from CH17.0A to CH16.1A
		GW- RN0606-13	13/10/2013	24/11/2013	CSHK	Road Paving & Road Marking Works at Yuen Shin Road near Tolo Highway
		GW- RN0607-13	19/10/2013	22/12/2013	CSHK	Road Paving on Tolo Highway between Ma Wo and NLKRB (Shatin Bound)
		GW- RN0614-13	19/10/2013	22/12/2013	CSHK	Road Paving on North Bound of Tolo Highway at Island House Interchange



Statutory	License/	License or	Valid Period		License/ Permit	Remarks
Reference	Permit	Permit No.	From	То	Holder	
		GW- RN0620-13	19/10/2013	22/12/2013	CSHK	Road Paving Reconstruction on Tolo Highway (Fanling Bound) Between NB12 and Tat Wan Road
		GW- RN0647-13	01/11/2013	31/12/2013	CSHK	Carrying out construction works within MTRC's tracks protection zone
		GW- RN0194-13	03/04/2013	02/10/2013	GCL	Near Lam Kam Interchange Supersede CNP GW-RN0064-13
		GW- RN0235-13	19/04/2013	16/10/2013	GCL	Tolo Highway Northbound near Buddhist Tai Kwong Middle School and Shek Lin Road
		GW- RN0250-13	30/04/2013	26/10/2013	GCL	Tolo Highway Southbound near Parc Versailles
		GW- RN0260-13	08/05/2013	25/10/2013	GCL	Slip Road from Tolo Highway North Bound to Tai Po Tai Wo Road
		GW- RN0284-13	15/05/2013	02/11/2013	GCL	Construction of B15A
		GW- RN0309-13	27/06/2013	26/12/2013	GCL	Tai Po Tai Wo Road Uphill Northbound
		GW- RN0362-13	16/07/2013	29/10/2013	GCL	Renewal of GW- RN0259-13 Dismantling of Overhead Falsework between NLKP8 and NLKP10
		GW- RN0405-13	25/07/2013	24/01/2014	GCL	Northbound near CH.18.39 - 19.1 near Shek Link Road
		GW- RN0435-13	04/08/2013	14/10/2013	GCL	Road Diversion from Dynasty View to Mui Shu Hang Playground
		GW- RN0439-13	01/08/2013	17/10/2013	GCL	Erection of Sign Gantry at Tolo Highway Ch19.6 to 17.1
		GW- RN0445-13	11/08/2013	14/10/2013	GCL	Lane Shifting at Tolo Highway Shatin Bound CH18 - 19.2 and Slip Road of Tai



Statutory	License/	License or	Valid	Period	License/ Permit	Remarks
Reference	Permit	Permit No.	From	То	Holder	
						Po Tai Wo Road
		GW- RN0457-13	11/08/2013	14/10/2013	GCL	Tolo Highway South Bound CH19.8 to CH 18.7
		GW- RN0467-13	16/08/2013	31/10/2013	GCL	Dismantling of B18 Pier
		GW- RN0473-13	27/08/2013	11/10/2013	GCL	A section of Fanling Highway and Tai Wo Service Road West near Wai Tau
		GW- RN0484-13	02/09/2013	31/12/2013	GCL	Renewal of GW- RN0091-13 Tolo Highway and Fanling Highway near Tai Po Tai Wo Road, Lam Kam Interchange & Tai Wo Service Road West
		GW- RN0519-13	15/09/2013	09/03/2014	GCL	Renewal of GW- RN0351-13 Tolo Highway near Ma Wo Village
		GW- RN0530-13	03/10/2013	02/02/2014	GCL	Renewal of GW- RN0194-13 Tolo Highway near Tai Po Tau Raw Water Pumping Station
		GW- RN0549-13	17/09/2013	30/11/2013	GCL	Erection and dismantle of Sign Gantry
		GW- RN0551-13	19/09/2013	03/12/2013	GCL	Stitching Construction of B12B
		GW- RN0575-13	27/09/2013	10/12/2013	GCL	Erection of Sign Gantry at Lam Kam Road Flyover CH. 20.2 to 20.3
		GW- RN608-13	12/10/2013	21/12/2013	GCL	Renewal of GW- RN0473-13 Dismantling of Overhead Falsework at NLKP6 to NLKP7
		GW- RN0610-13	16/10/2013	10/12/2013	GCL	Road Diversion at Tolo Highway South Bound CH.18.1-18.7
		GW- RN613-13	22/10/2013	24/12/2013	GCL	Renewal of GW- RN0362-13 Dismantling of Overhead Falsework at NLKP8 to NLKP10

Statutory Reference	License/ Permit	License or Permit No.	Valid I	Period	License/ Permit	Remarks
Keielelice	rennit	remit No.	From	То	Holder	
		GW- RN617-13	18/10/2013	31/12/2013	GCL	Road Diversion at Tolo Highway CH19.4 to 19.9

4.4 Implementation Status of Environmental Mitigation Measures

- 4.4.1 In response to the site audit findings, the Contractors carried out corrective actions.
- 4.4.2 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in Appendix C. Most of the necessary mitigation measures were implemented properly.

4.5 Summary of Exceedances of the Environmental Quality Performance Limit

- 4.5.1 All 1-hour and 24-hour TSP monitoring results complied with the Action / Limit Levels in the reporting period.
- 4.5.2 For construction noise, no Action and Limit Level exceedance was recorded at all monitoring stations in the reporting period.

4.6 Summary of Complaints, Notification of Summons and Successful Prosecutions

- 4.6.1 The Environmental Complaint Handling Procedure is annexed in Figure 4.1.
- 4.6.2 There was one (1) complaint (including one (1) air related complaint) received on 7 October 2013 and followed up by Environmental Team in October 2013.
- 4.6.3 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".



- 4.6.4 No notification of summons or prosecution was received in the reporting period.
- 4.6.5 Statistics on complaints, notifications of summons and successful prosecutions are summarized in Appendix L.



5 FUTURE KEY ISSUES

5.1 Construction Programme for the Coming Months

- 5.1.1 The major construction works for Contract 1 in November 2013 will be:-
 - Temporary shoring, sheetpiling and excavation
 - At-grade road construction
 - Retaining wall construction
 - Noise barrier footing construction
 - Noise barrier panels installation
 - Asphalt laying
 - Installation of drainage pipes
 - Modification of edge coping
- 5.1.2 The major construction works for Contract 2 in November 2013 will be:-
 - 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
 - Construction of concrete profile barrier and beam barrier
 - Construction of Pilecap / Spread footing of Noise Barrier / Semi Noise Enclosure
 - Slope works, including installation of soil nails
 - NTHA mitigation works
 - Construction of retaining walls
 - Noise barrier construction
 - Modification of existing bridge structures
 - Entrusted watermains works
 - Sewer Installation
 - Road and drainage works
 - Landscaping works

5.2 Key Issues for the Coming Month

- 5.2.1 Key issues to be considered in November 2013:-
 - Properly store and label oils and chemicals on site:
 - Chemical, chemical waste and waste management;
 - Collection of construction waste should be carried out regularly;
 - Site runoff should be properly collected and treated prior to discharge;
 - Properly maintain all drainage facilities and wheel washing facilities on site;
 - Exposed slopes should be covered up properly if no temporary work will be conducted;
 - Suppress dust generated from excavation, breaking and drilling activities, haul road traffic and grout mixing process;
 - Quieter powered mechanical equipment should be used;
 - Closely check and replace the sound insulation materials wrapped at the concrete breaker tip regularly:
 - Better scheduling of construction works to minimize noise nuisance; and
 - Tree protective measures for all retained trees should be well maintained.

5.3 Monitoring Schedule for the Coming Month

5.3.1 The tentative schedule for environmental monitoring in November 2013 is provided in Appendix F.



6 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

- 6.1.1 The construction phase and EM&A programme of Stage 1 of the project commenced on 23 November 2009.
- 6.1.2 1-hour TSP, 24-hour TSP and noise monitoring were carried out in the reporting period.
- 6.1.3 All 1-hour and 24-hour TSP monitoring results complied with the Action / Limit Levels in the reporting period.
- 6.1.4 No Action and Limit Level exceedance for construction noise was recorded at all monitoring stations in the reporting month.
- 6.1.5 Environmental site inspection was carried out 10 times in October 2013. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site audits.
- 6.1.6 There was one (1) complaint (including one (1) air related complaint) received on 7 October 2013 and followed up by Environmental Team in October 2013. Investigation was carried out and the findings were submitted to all relevant parties.
- 6.1.7 No notification of summons or prosecution was received in the reporting period.

6.2 Recommendations

6.2.1 According to the environmental site inspections performed in the reporting month, the following recommendations were provided:-

Air Quality Impact

- The soil stockpiles should be properly covered.
- The grouting station should be properly sheltered as one of the dust control measures

Construction Noise Impact

- Properly erect the temporary noise barriers in accordance with the Environmental Permit requirement.
- 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.

Water Quality Impact

- Preventive measures should be implemented to avoid the spread of mud trails on the public road.
- 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.
- Stagnant water accumulated within works area should be removed.

Chemical and Waste Management

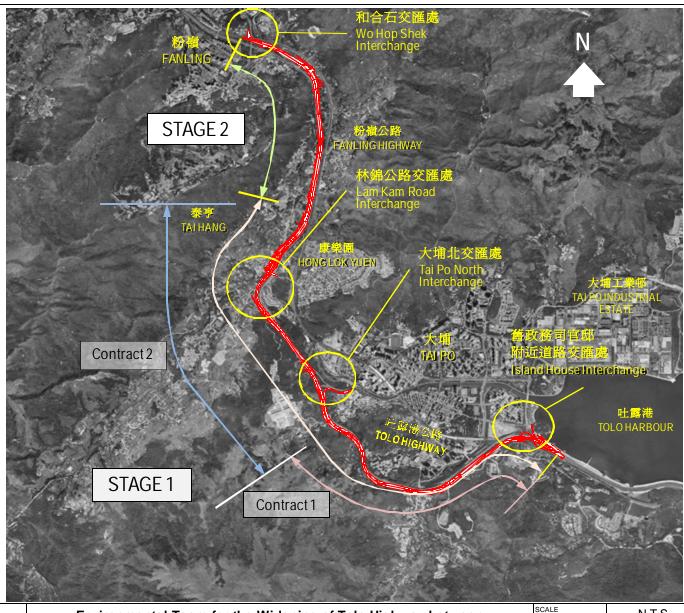
- C&D materials and wastes, general refuse should be sorted properly and removed timely.
- All chemical containers and oil drums should be properly stored.
- All plants and vehicles on site should be properly maintained to prevent oil leakage.
- All drain holes of the drip trays utilized within works 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.
- Drip tray should be provided to prevent oil leakage.
- Only the recycling materials should be dumped into the appropriate recycling bins.

Landscape and Visual Impact

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



FIGURES



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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

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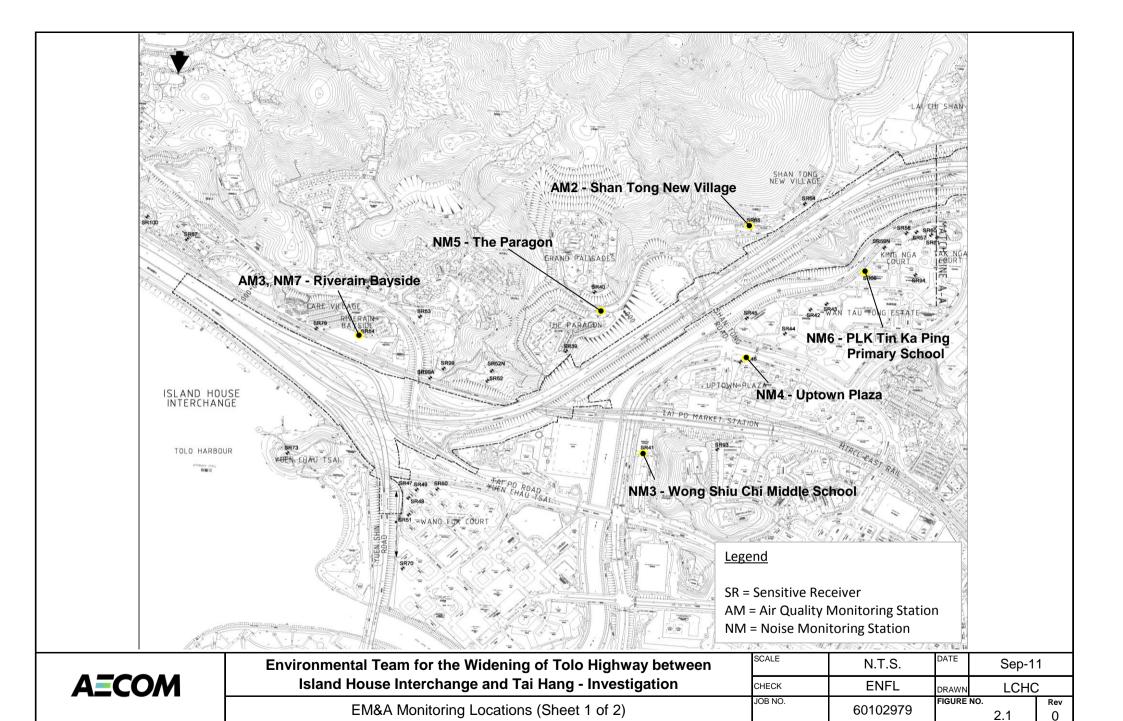
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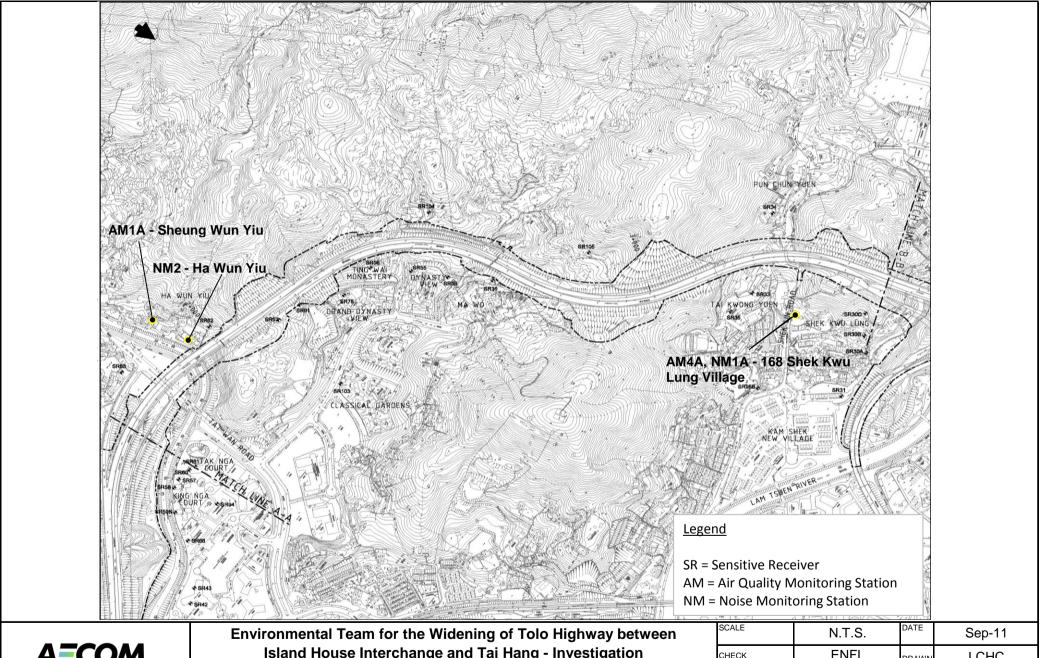
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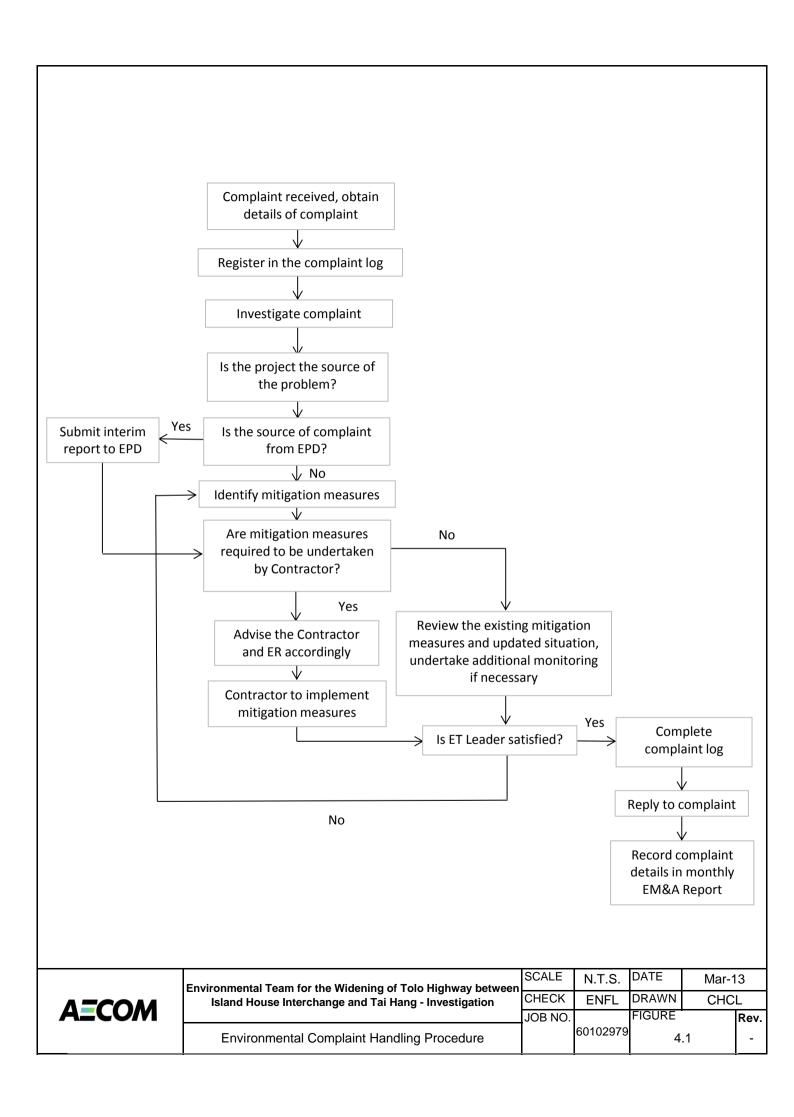
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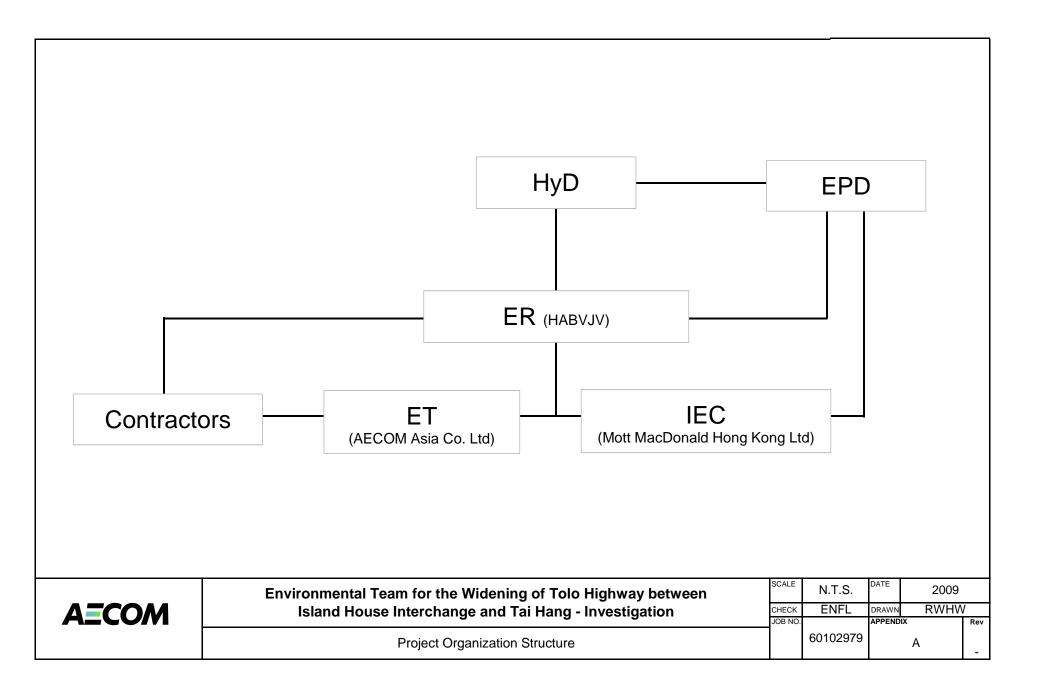


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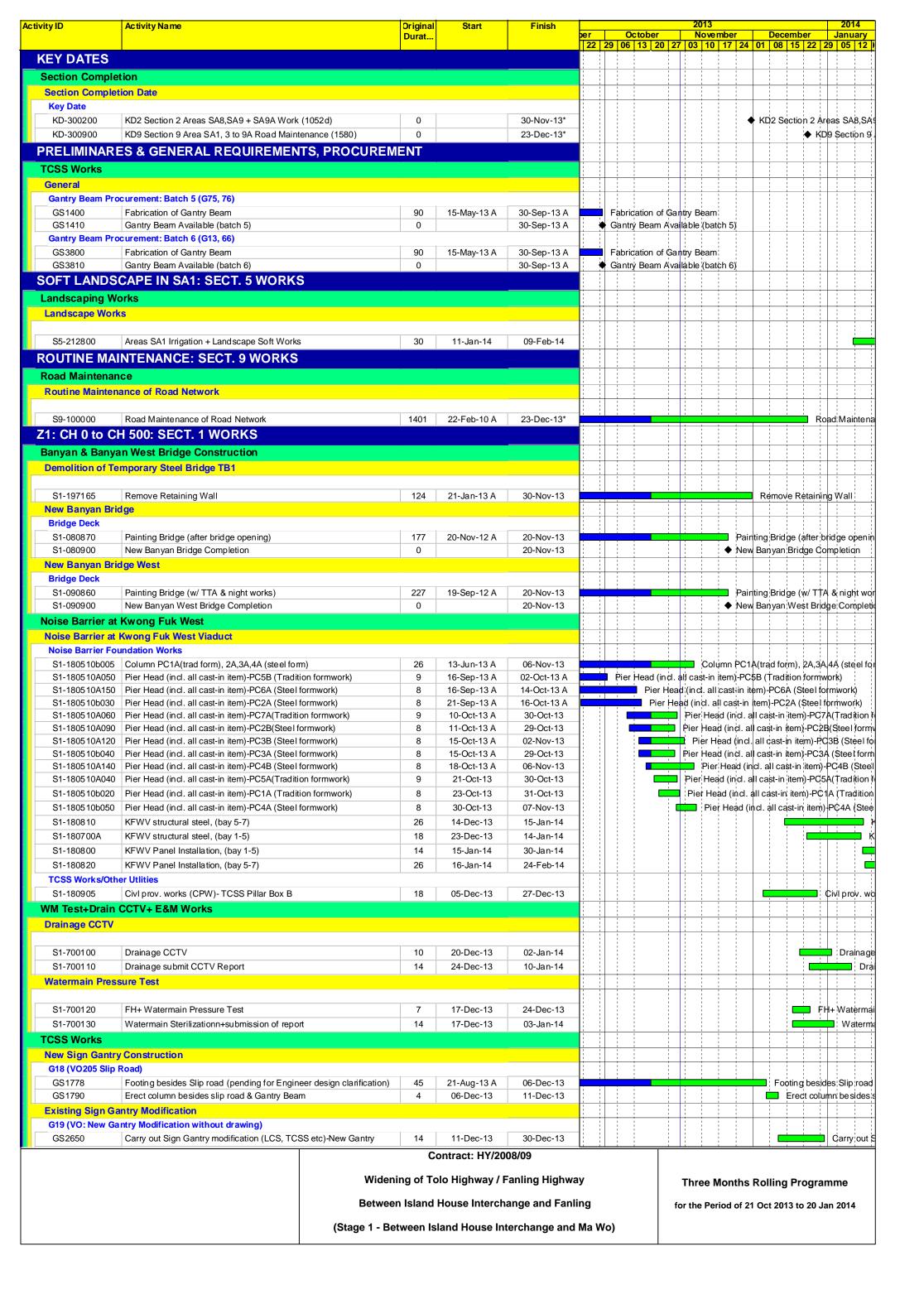
Island House Interchange and Tai Hang - Investigation **ENFL** CHECK LCHC DRAWN JOB NO. FIGURE NO. Rev 60102979 EM&A Monitoring Locations (Sheet 2 of 2) 2.1 0

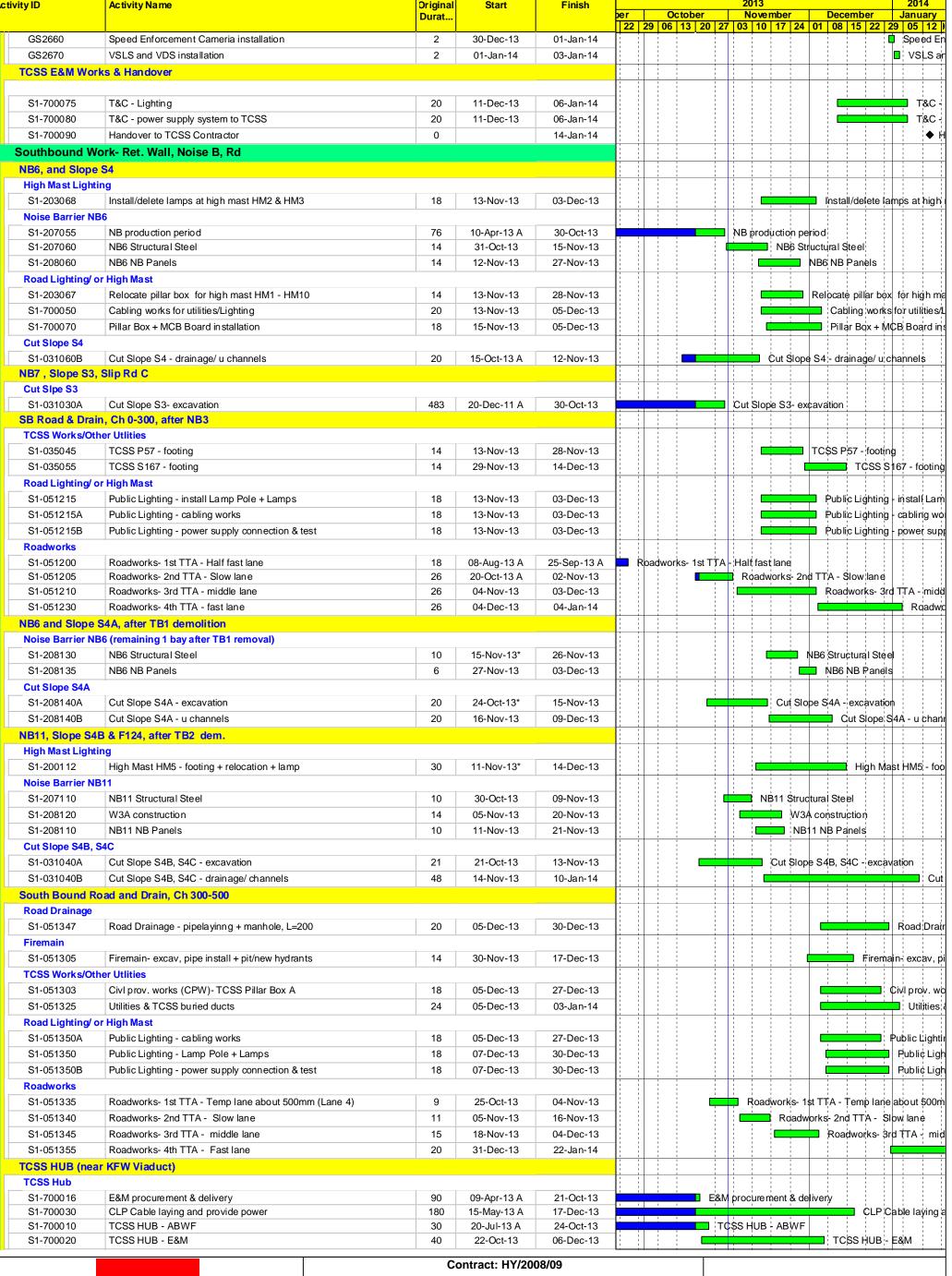


APPENDIX A PROJECT ORGANIZATION STRUCTURE



APPENDIX B CONSTRUCTION PROGRAMMES







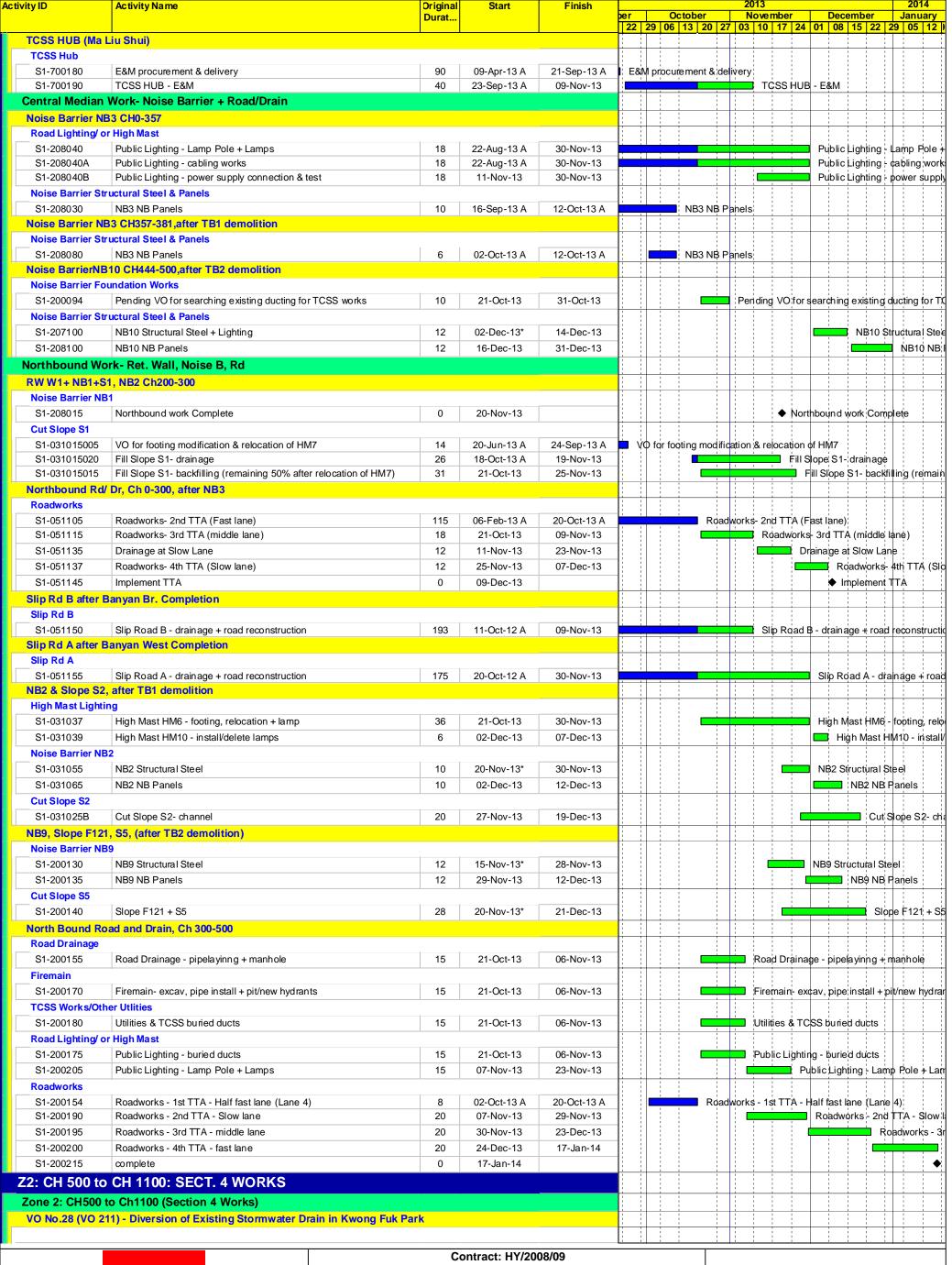
Activity Name

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 Oct 2013 to 20 Jan 2014



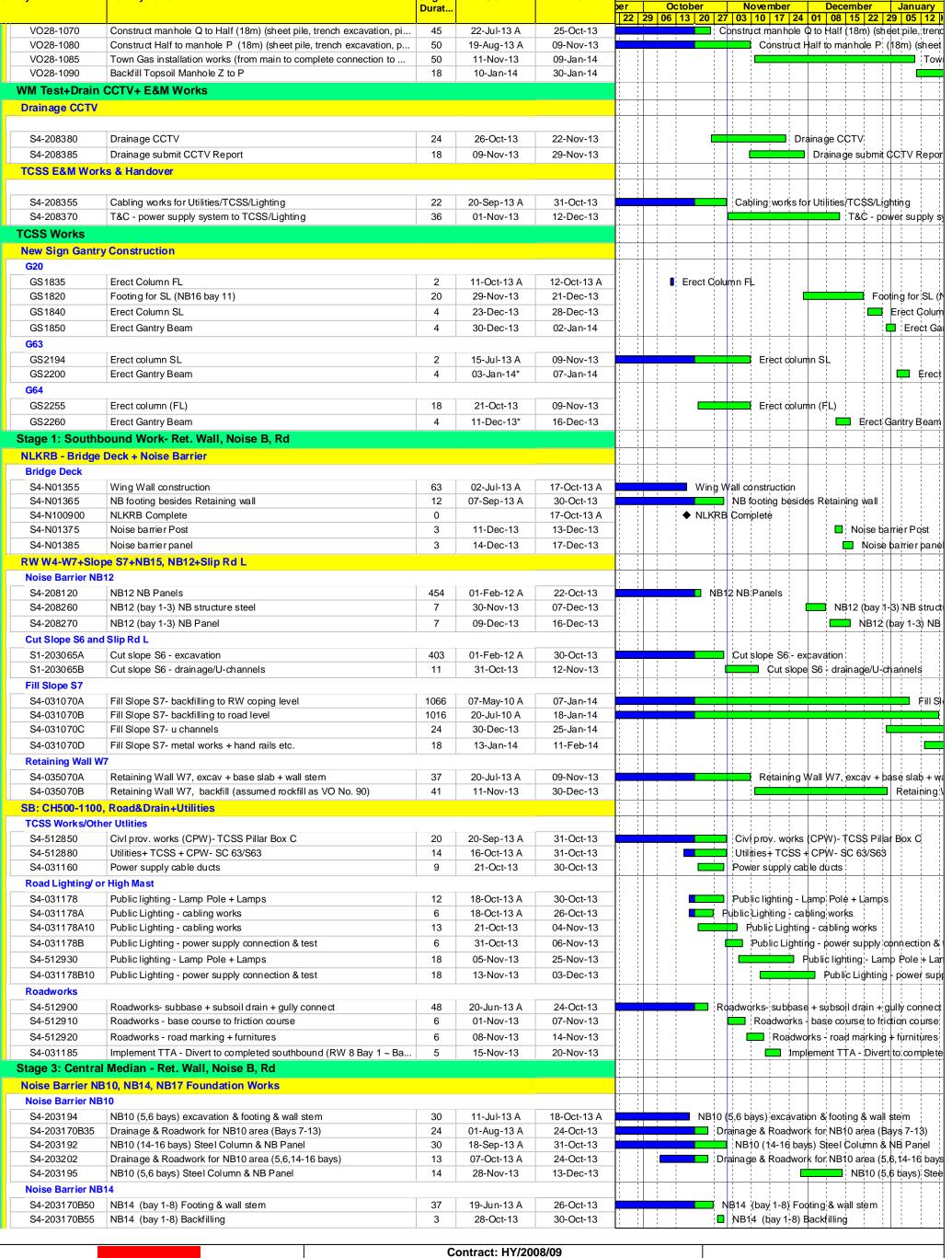


Widening of Tolo Highway / Fanling Highway

Between Island House Interchange and Fanling

(Stage 1 - Between Island House Interchange and Ma Wo)

Three Months Rolling Programme





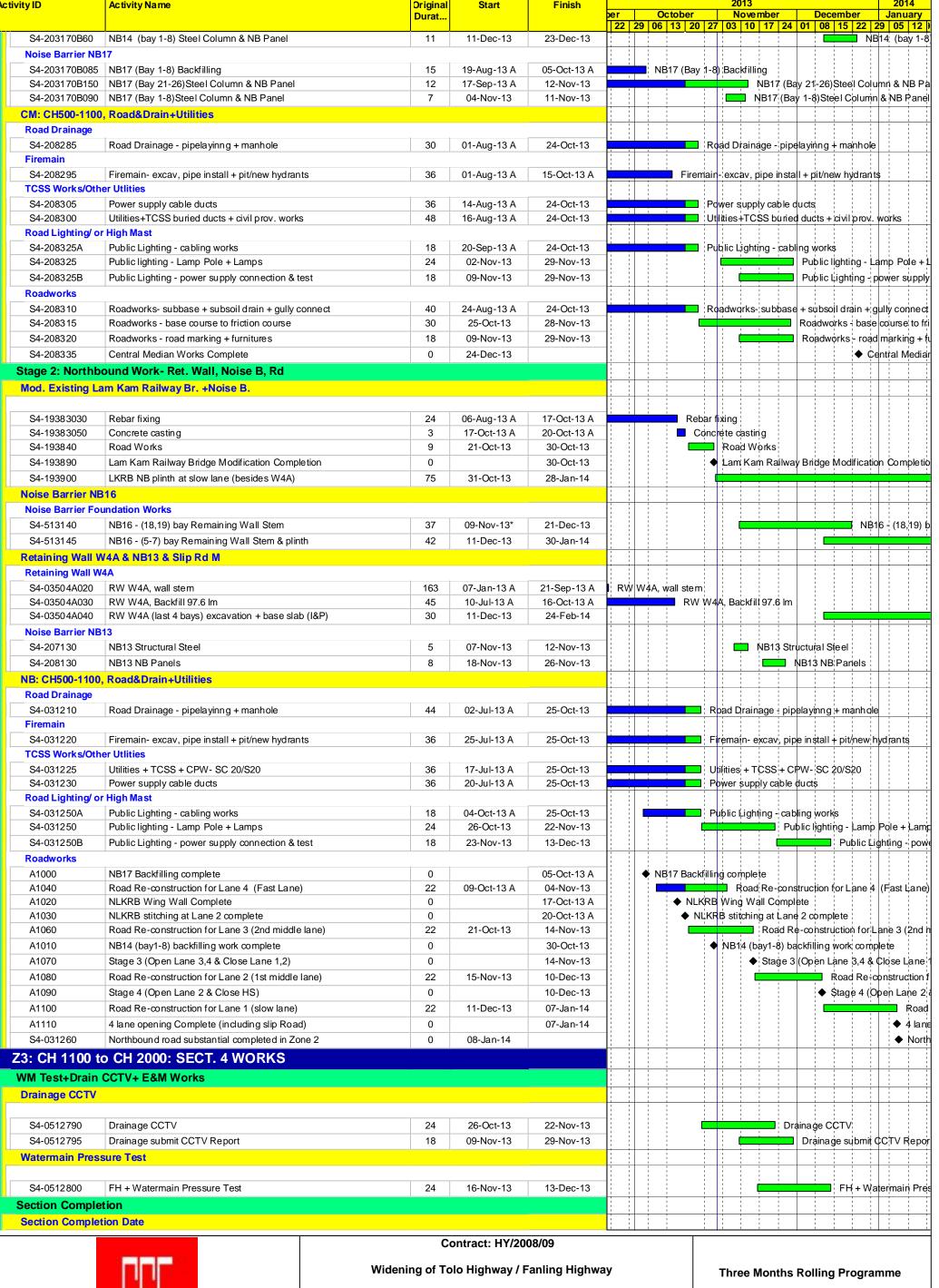
Activity Name

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

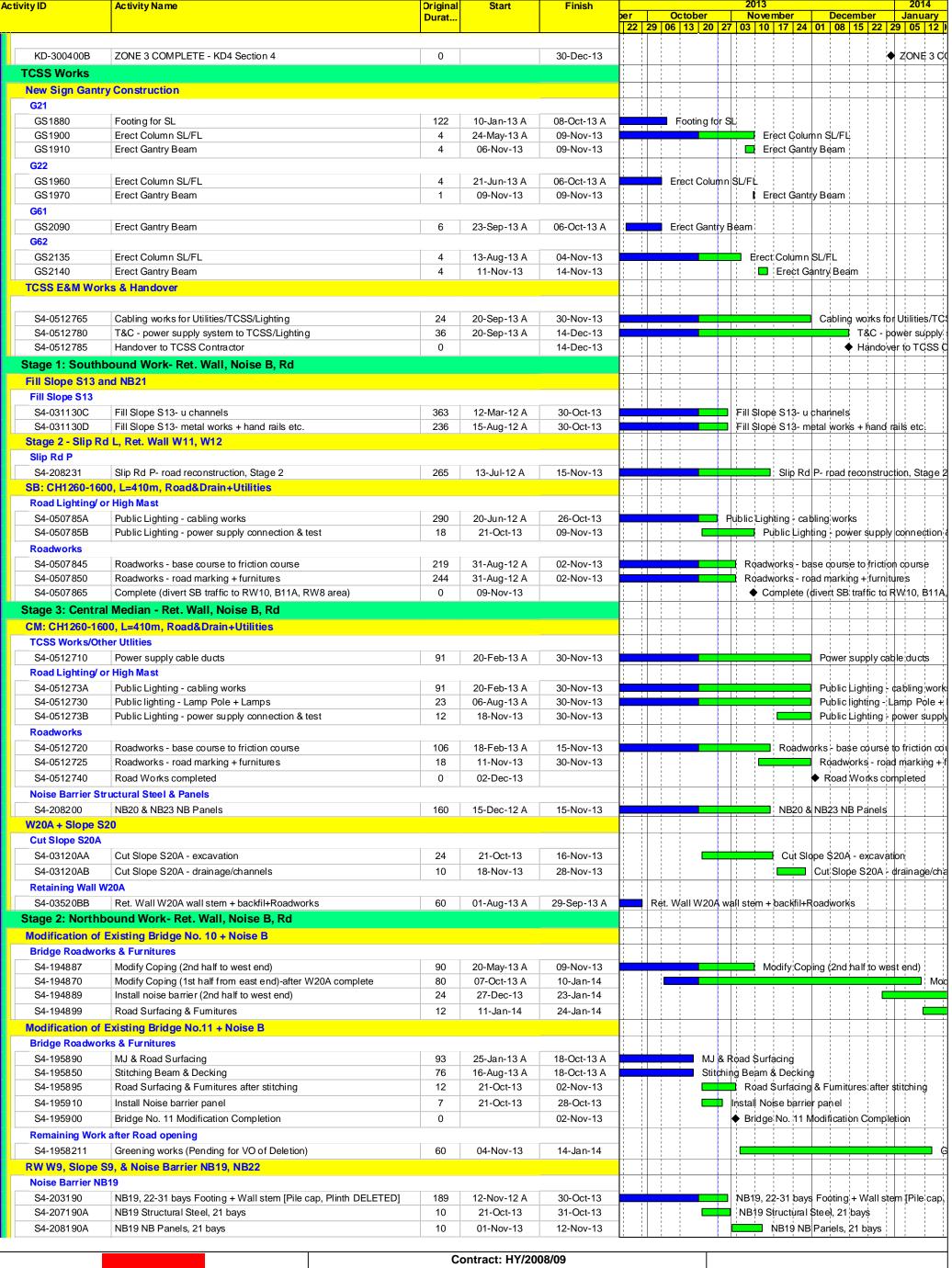




Activity Name

Between Island House Interchange and Fanling

(Stage 1 - Between Island House Interchange and Ma Wo)



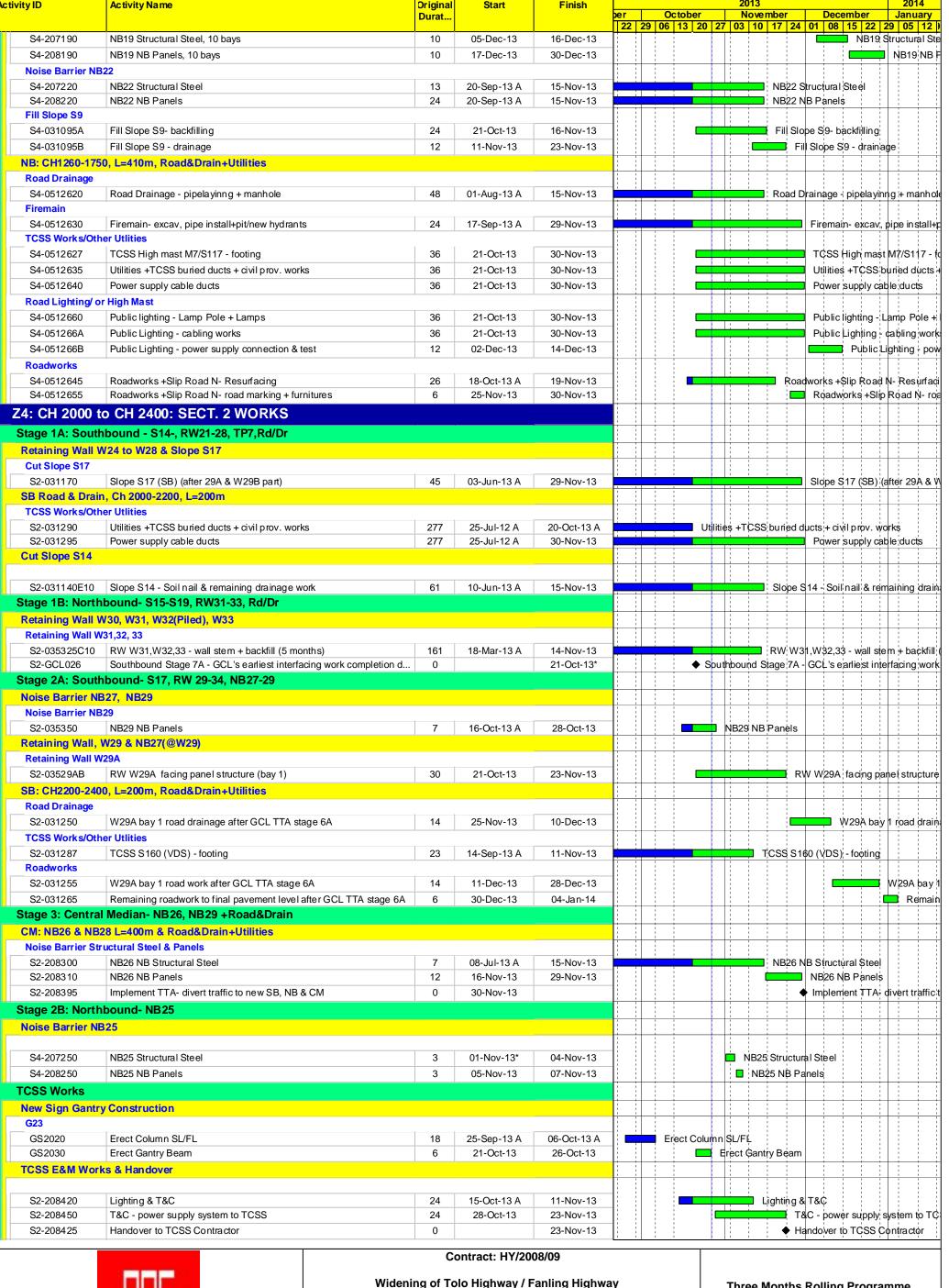


Widening of Tolo Highway / Fanling Highway

Between Island House Interchange and Fanling

(Stage 1 - Between Island House Interchange and Ma Wo)

Three Months Rolling Programme





Activity Name

Between Island House Interchange and Fanling

(Stage 1 - Between Island House Interchange and Ma Wo)

Three Months Rolling Programme

tivity ID	Activity Name	Original	Start	Finish		Ontal		2013	andr a ii	-		20	
		Durat			per 22 29	Octobe 06 13 3		Nove 03 10			ember 15 22	Janι 29 05	
Z6: TCSS IN	PORTION SA11: SECT. 4 WORKS												1
TCSS Works							1	<u>; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; </u>	<u> </u>	1	<u> </u>	1 1	-
	atry Construction				1 1		-	: :	: :				+
G12	in y Constituction												-
GS1600	Erect Gantry Beam	7	21-Oct-13*	28-Oct-13	-			rect Ca	try Bear				
G14 (Outside S	•	1	21-001-13	20-001-13		•		Tect Gai	lii y Lieai				1
GS1645	Shifting of traffic lane	26	20-Sep-13 A	15-Oct-13 A	- <u> </u>	Ch	ifting	f troffic l	dno i				
GS 1645 GS 1650	Footing for FL	26 48	21-Oct-13	14-Dec-13	- 1	- SI	nung o	f traffic la	alle ¦	- 1	 Footin	g for FL	-
GS1660	Erect Column	4	16-Dec-13	19-Dec-13	-	•	-		1 1		! !	ct Colum	nın
GS1670	Erect Goldmin Erect Gantry Beam	3	20-Dec-13	23-Dec-13	-						i i	rect Gar	i
GS 1670	•				-							rectigar	iti y
	Reinstatement & Shifting of traffic lane	52	24-Dec-13	05-Mar-14			-		1 1	- 1			+
G15	F .0 . B	1 . 1	00.11 40*	40.11 40	-								
GS1720	Erect Gantry Beam	4	08-Nov-13*	12-Nov-13			i		Frect Ga	ntry Bear	'n		<u> </u>
G65	(0.75)												-
GS2300	Erection of gantry column (SL/FL)	52	01-Aug-13 A	06-Nov-13	- : : :		- 1				imn (SL/	(FL)	
GS2320	Erect Gantry Beam	4	07-Nov-13	11-Nov-13			- !		rect Gar	try Bean]		1
	Gantry Modification												<u>i</u>
	ial Modification Works of Sign Gantries)												
GS2410	Carry out Sign Gantry modification (LCS, TCSS etc)	52	20-Dec-13	01-Mar-14									-
G16													1
GS2490	Carry out Sign Gantry modification (LCS, TCSS etc)	52	25-Jul-13 A	14-Nov-13					Carry o	ıt Sign G	antry mo	dification	n (L
G17													1
GS2570	Carry out Sign Gantry modification (LCS, TCSS etc)	52	25-Jul-13 A	14-Nov-13					Carry o	ıt Siġn G	antry mo	dification	n (L
	ial Modification Works of Sign Gantries)]			i i					į
GS2730	Carry out Sign Gantry modification (LCS, TCSS etc)	30	15-Nov-13	19-Dec-13							Car	ry out Si	iġn (
G68][][
GS2890	Carry out Sign Gantry modification (LCS, TCSS etc)	52	18-Jun-13 A	30-Oct-13				Carry or	it Sign G	antry mo	dification	(LCS, T	ÇSS
G70][][
GS2970	Carry out Sign Gantry modification (LCS, TCSS etc)	52	18-Jun-13 A	05-Nov-13				Carı	y out Sig	n Gantry	modifica	tion (LCS	S, T
G75 (Substant	ial Modification Works of Sign Gantries)												
GS3290	Carry out Sign Gantry modification (LCS, TCSS etc)	52	20-Dec-13	01-Mar-14			i			i			
G76 (Substant	ial Modification Works of Sign Gantries)												
GS3370	Carry out Sign Gantry modification (LCS, TCSS etc)	52	20-Dec-13	01-Mar-14				i i			📥		÷
VO214, 223, 2	27 - Ground Works & Ducts Works for TCSS (Outside Site Bound	ary)											
VO214 -Outsid	le site Boundary- Install UPVC Ducts for TCSS Works-Road Side Work												1
GS3570	Road Side Works - SK1258 - G66	20	01-May-13 A	26-Oct-13			R R	ad \$ide	Works -	SK 1258	- G66		1
GS3490	Road Side Works - SK1252, SK1253 - G11 LHS (Case 113/111-112)	26	21-Oct-13	19-Nov-13			•		Roa	Side W	orks - Sk	(1252, S	K12
GS3530	Cycle Track G73 - G74 Sk1253	26	20-Nov-13	19-Dec-13						i	Cyc	le Track	G7:
VO214 -Outsid	le site Boundary- Install UPVC Ducts for TCSS Works-Cross Road Worl	k						1 1					1
GS3610	(Pending for VO for cancellation) Cross Road Ducts - SK1253 - P12	30	21-Oct-13	23-Nov-13			1	i !	(F	endina f	or VO for	cancella	atior
GS3620	(Pending for VO for cancellation) Cross Road Ducts - SK1253 - P12	30	25-Nov-13	31-Dec-13						3	1 1 2	(Pen	1
GS3630	(Pending for VO for cancellation) Cross Road Ducts - SK1256 - P59	30	01-Jan-14	13-Feb-14				. ! ! !					÷
SI-40 - 7 Nos o	f Trial Pits for P11, P12, S107 and P59					i i		1 1					1
GS3680	Trial Pils for P11, P12, S107 and P59	30	21-Oct-13	23-Nov-13	1: ::		,	1 1	Ti	ial Pils fo	r P11, P	12 S107	and



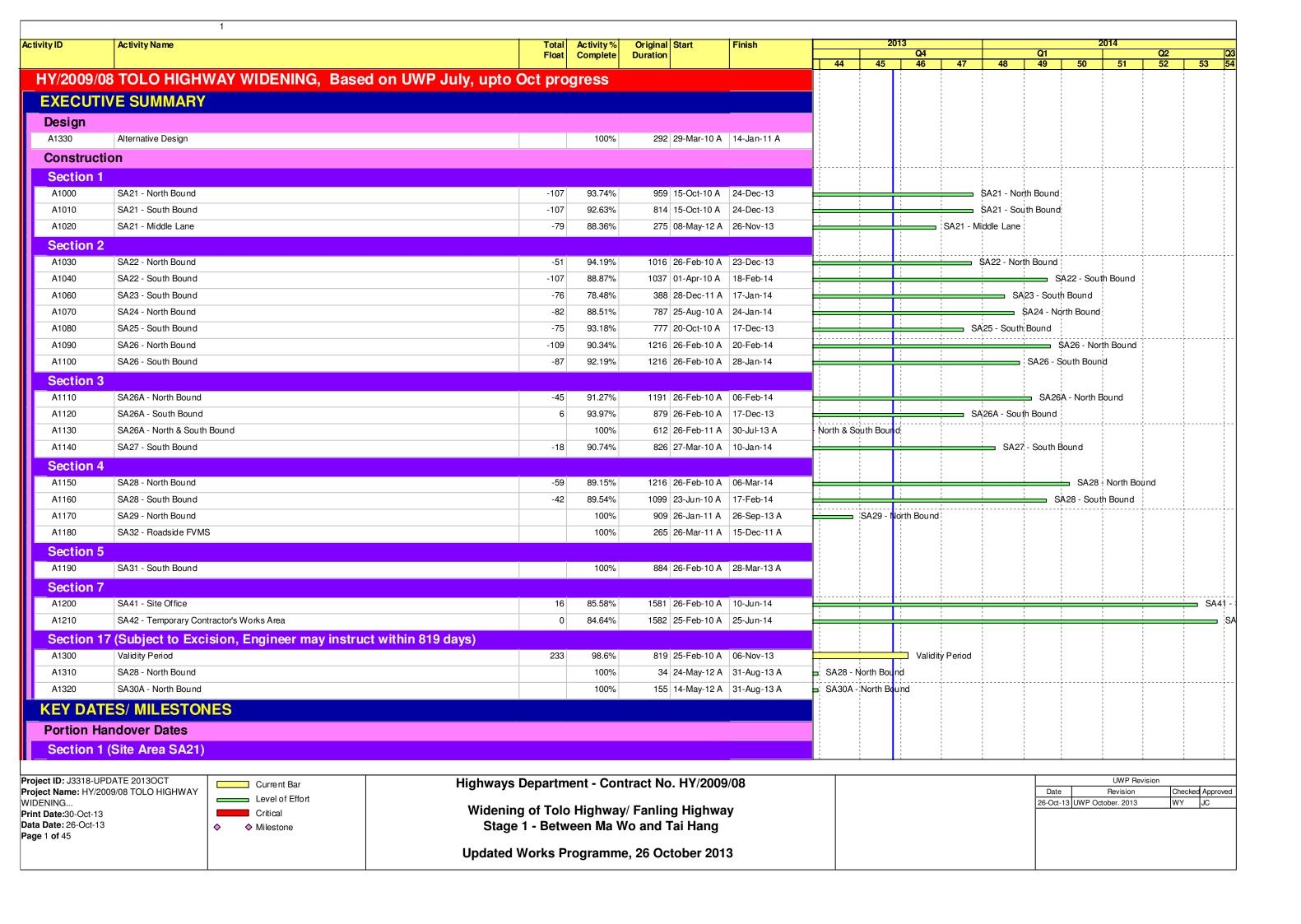
Contract: HY/2008/09

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 Oct 2013 to 20 Jan 2014



	2														
Activity ID	Activity Name	Total		Original Start	Finish		2	013				2	2014		
		Float	Complete	Duration		44	45	Q4 46	47	48	Q1 49	50	51	Q2 52	53
PHSA2100	Possession of SA21 (Day365)		100%	0 16-Jul-10 A						1	† - -	1		1	
Section 3	3 (Site Area SA26A and SA 27)										1 1	, 1 1 1			1
PHSA26A0	Possession of SA26A (Day0)		100%	0 26-Feb-10 A			 - - -		! ! !		1 1 1	1 1 1 1		1 1 1 1	1 1 1
PHSA2700	Possession of SA27 (Day 90)		100%	0 26-Mar-10 A			!		1	1	1	1 1 1		1	1
Section	2 (Site Area SA22, SA23, SA24, SA25 and SA26)									1	! !	, 1 1 1		! !	1
PHSA2200	Possession of SA22 (Day0)		100%	0 26-Feb-10 A			! ! !		1 1 1 1		! ! !	1 1 1 1		1 1 1 1	1 1 1
PHSA2300	Possession of SA23 (Day180)		100%	0 04-May-10 A						1	 		1		1
PHSA2400	Possession of SA24 (Day180)		100%	0 04-May-10 A			 		! !	1	i ! !	1 1 1	i ! !	1 1 1 1	1
PHSA2500	Possession of SA25 (Day270)		100%	0 04-May-10 A			! !				1	1 1 1		1	1
PHSA2600	Possession of SA26 (Day0)		100%	0 26-Feb-10 A			 				! ! !	1 1 1 1		! ! !	
Section 4	4 (Site Area SA28, SA29 and SA32)						i ! !		! !	1	i ! !	1 1 1 1	<u>.</u>	! ! !	1 1 1
PHSA2800	Possession of SA28 (Day0)		100%	0 26-Feb-10 A						1	 -	 	!		1
PHSA2900	Possession of SA29 (Day270)		100%	0 27-Jul-10 A							1	1 1 1 1			
PHSA3200	Possession of SA32 (Day365)		100%	0 25-Feb-11 A			: : :		! !	1	; ! !	1 1 1		! !	1
Section !	5 (Site Area SA31)						! ! !		1 1 1 1		! ! !	1 1 1 1		1 1 1 1	1 1 1
PHSA3100	Possession of SA31 (Day0)		100%	0 26-Feb-10 A							1	1 1 1			
Section	7 (All Works Except Works Included in Other Sections)									1	! !	 			1
PHSA4100	Possession of SA41 (Day0)		100%	0 26-Feb-10 A			! ! !				1	1 1 1 1		1	1
PHSA4200	Possession of SA42 (Day0)		100%	0 26-Feb-10 A					! ! !		 	! ! !		1 1 1 1	1
PHSA4300	Possession of SA43 (Day90)		100%	0 04-May-10 A			: !		! !	1	; ! !	1 1 1		! ! !	1
Section	8 (Estiblishment Works in Site Area SA21)						! ! !		1 1 1 1		1 1 1	1 1 1 1		1 1 1 1	1 1 1
PHSA2110	Possession of SA21 (Day1217)	-121	0%	0 26-Oct-13			{	Possessio	n of SA21	(Day1217)				' !	
Section 9	9 (Estiblishment Works in Site Area SA22, SA23, SA24, SA25 and	SA26)					 		1 1 1 1	1	1 1 1	1 1 1 1		1 1 1 1	1 1 1 1
PHSA2210	Possession of SA22 (Day1217)	-121	0%	0 26-Oct-13				Possessio	n of SA22	(Day1217)	1	1 1 1		 	1
PHSA2310	Possession of SA23 (Day1217)	-121	0%	0 26-Oct-13			<	Possessio	n of SA23	(Day1217)	; 1 1 1	1 1 1		! !	1
PHSA2420	Possession of SA24 (Day1217)	-121	0%	0 26-Oct-13				Possessio				1 1 1 1		1	1 1 1
PHSA2510	Possession of SA25 (Day1217)	-121	0%	0 26-Oct-13			{	Possessio	n of SA25	(Day1217)	 				
PHSA2610	Possession of SA26 (Day1217)	-121	0%	0 26-Oct-13			{	Possessio	n of SA26	(Day1217)	i 1 1	1 1 1 1		! !	1
Section ¹	10 (Estiblishment Works in Site Area SA26A and SA27)								1		1	1 1 1		1	1
PHSA26A1	Possession of SA26A (Day1217)	-121	0%	0 26-Oct-13			<	Possessio	n of SA26	A (Day1217	7)	, 1 1 1			1
PHSA2710	Possession of SA27 (Day1217)	-121	0%	0 26-Oct-13				Possessio	n of SA27	(Day1217)	i ! !	1 1 1	i ! !	1 1 1 1	1
Section	11 (Estiblishment Works in Site Area SA28 and SA29)								, , ,		 	, ! !		, , , ,	
PHSA2810	Possession of SA28 (Day1217)	-121	0%	0 26-Oct-13			<	Possessio	n of SA28	(Day1217)	1	, 1 1 1			
PHSA2910	Possession of SA29 (Day1217)	-121	0%	0 26-Oct-13		1	{	Possessio	n of SA29	(Day1217)	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Section :	12 (Estiblishment Works in Site Area SA30 and SA30A)								1 1 1 1		! ! !	 	!	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PHSA3000	Possession of SA30 (Day1217)	-121	0%	0 26-Oct-13			{	Possession	n of SA30	(Day1217)	! !	, 			! !
PHSA30A0	Possession of SA30A (Day1217)	-121	0%	0 26-Oct-13		1	· · · · · · · ·	Possessio	n of SA30	A (Day1217	()	r		, ! !	
Section :	13 (Remainder of Estiblishment Works)						:		, 1 1 1		1 1 1	, 1 1 1	! !	, 1 1 1	, 1 1
PHSA3110	Possession of SA31 (Day1217)	-102	0%	0 26-Oct-13*				Possessio	n of SA31	(Day1217)	1 1 1	! ! !	! !	! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PHSA3220	Possession of SA32 (Day1217)	-102	0%	0 26-Oct-13*		1 1 1		Possessio	n of SA32	(Day1217)	1	1 1 1		1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PHSA4120	Possession of SA41 (Day1217)	-102	0%	0 26-Oct-13*			{	Possessio	n of SA41	(Day1217)	1 1 1	; 1 1 1	! ! !	; ; ; ;	1 1 1
PHSA4220	Possession of SA42 (Day1217)	-102	0%	0 26-Oct-13*		1	{	Possessio	n of SA42	(Day1217)	 	 		 	1
PHSA4330	Possession of SA43 (Day1217)	-102	0%	0 26-Oct-13*		1	{	Possession	n of SA43	(Day1217)	1 1 1	1 1 1	 	1 1 1	1 1 1
Section :	14 Comprises Routine Maintenance of Road Network in Site Area	SA21 to SA3	1)						1 1 1 1		! ! !	! ! !	1	1 1 1 1	1
PHSA2130	Possession of SA21 for Routine Maintenance (Day365)		100%	0 16-Jul-10 A							1 1	! ! !			! !
PHSA2230	Possession of SA22 for Routine Maintenance (Day0)		100%	0 26-Feb-10 A			:		1 1 1	1	1	1 1 1		1 1 1	1

Activity Name	Total	Activity %	Original Start	Finish		20						2014		
	Float	Complete	Duration		1 44	45	Q4 46	47	48	Q1 49	50	51		53 5
Possession of SA23 for Routine Maintenance (Day180)		100%	0 04-May-10 A										<i>U</i> 2	30 3
Possession of SA24 for Routine Maintenance (Day180)		100%	0 04-May-10 A			1				1 1 1	1 1 1	! ! !		
Possession of SA25 for Routine Maintenance (Day270)		100%	0 04-May-10 A			1 1 1	1			1 1 1	1 1 1	1 1 1		1 1 1
Possession of SA26 for Routine Maintenance (Day0)		100%	0 26-Feb-10 A			1 1 1	1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1		
Possession of SA26A for Routine Maintenance (Day0)		100%	0 26-Feb-10 A											:
Possession of SA27 for Routine Maintenance (Day90)		100%	0 26-Mar-10 A			; ;				-i	i 1	i		
Possession of SA28 for Routine Maintenance (Day0)		100%	0 26-Feb-10 A			1 1 1	1			1 1 1	! !	1 1 1		
Possession of SA29 for Routine Maintenance (Day270)		100%	0 27-Jul-10 A			1 1 1	1			1 1 1	1	1 1 1		1
Possession of SA30 for Routine Maintenance (Day0)		100%	0 26-Feb-10 A							1 1 1		! !		
Possession of SA30A for Routine Maintenance (Day180)		100%	0 27-Jul-10 A							 		! !		
Possession of SA31 for Routine Maintenance		100%	0 26-Feb-10 A			 				-;	 			
(Subject to Excision and Instruct by Engineer within 819 days)			'	'		1 1 1	1 1 1			1 1 1	! ! !	1 1 1 1		1 1 1 1
Earliest Date to Possession of SA30		100%	0 26-Feb-10 A			1	1			1 1 1	1	1		1
Earliest Date to Possession of SA30A		100%	0 27-Jul-10 A			:				 	!	! ! !		
(include EOT GCL submitted and awarded upto Apr 2013)						1	, , ,			 	: : :	1 1		
	-107	0%	0	24-Dec-13*				♦	KD1: Com	detion of	Section 1 -	(Day1216)		
	-108	0%	0	20-Feb-14*		1 1 1	 			1	1		;	Day1216)
<u> </u>	-51	0%	0	12-Feb-14*		1 1 1	1			1			; ;	'
	-75	0%	0	22-Mar-14*						1	i	i		i i
	-33	0%	0	17-Feb-14*	1					♦ K	į	i i		i 'i
KD5: Completion of Section 5 - (Day884)		100%	0	28-Mar-13 A		. 		 			}		- -	;
KD7: Completion of Section 7 - (Day1581)	0	0%	0	25-Jun-14*		-				1	! ! !	1 1 1		♦ K
KD8: Completion of Section 8 - (Day1581)	0	0%	0	25-Jun-14*		1				1	!	! !		♦ K
KD9: Completion of Section 9 - (Day1581)	0	0%	0	25-Jun-14*	1	1				 		! !		♦ K
KD10: Completion of Section 10 - (Day1581)	0	0%	0	25-Jun-14*		1 1 1	i ! !		i ! !	1 1 1	i ! !	1 1 1		♦ K
KD11: Completion of Section 11 - (Day1581)	0	0%	0	25-Jun-14*					- 			; :		♦ K
KD12: Completion of Section 12 - (Day1581)	0	0%	0	25-Jun-14*		1	!			 	1	1 1 1		♦ K
KD13: Completion of Section 13 - (Day1581)	0	0%	0	25-Jun-14*	1					 		, 1 1		♦ K
KD14: Completion of Section 14 - (Day1581)	0	0%	0	25-Jun-14*		1 1 1	i ! !			 	1	1 1 1		♦ K
KD17: Latest Date to Compl of Section 17 - (Day397) Subject to Excision		100%	0	31-Aug-13 A	→ KD17: L	: atest Date	to Compl o	f Section	17 - (Day39	7) Subjec	t to Excisio	: ព		1
SUBMISSION						. 					 	 		
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		100%	56 12-Apr-10 A	18-Jun-10 A					- - 	¦ -¦	 	; {		; ;
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AD1 - Design Period		100%								1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! !	1 1 1		1
AD1 - Full Package to ICE for Certification		100%								1 1 1		! !		
AD1 - Approval by ER/CLIENT/CEDD (GEO)		100%	101 09-Jul-10 A	06-Nov-10 A	_	1				, 1 1 1	, 1 1 1	, 1 1 1		
ND2: W57B						1 1	1			1 1 1	1 1 1	1 1 1		
AD2 - Design Period		100%	72 14-Apr-10 A	10-Jul-10 A		 					[
AD2 - Full Package to ICE for Certification		100%	44 12-Jul-10 A	31-Aug-10 A		!				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1		1
AD2 - Approval by ER/CLIENT/CEDD (GEO)		100%	172 26-Nov-10 A	26-Apr-11 A						1 1 1	1 1 1 1	! !		
AD3: W69					i	1	1				! ! !			
					-	:	İ		1	I I	1	1	:	
AD3 - Design Period		100%	75 03-May-10 A	31-Jul-10 A		1	1		1	1	1	1	: :	· ;
	Possession of SA23 for Routine Maintenance (Day180) Possession of SA24 for Routine Maintenance (Day180) Possession of SA26 for Routine Maintenance (Day0) Possession of SA26 for Routine Maintenance (Day0) Possession of SA26 for Routine Maintenance (Day0) Possession of SA28 for Routine Maintenance (Day0) Possession of SA28 for Routine Maintenance (Day0) Possession of SA29 for Routine Maintenance (Day0) Possession of SA39 for Routine Maintenance (Day0) Possession of SA30 for Routine Maintenance (Day0) Possession of SA30 for Routine Maintenance (Day0) Possession of SA30 for Routine Maintenance (Day0) Possession of SA31 for Routine Maintenance (Day0) Possession of SA31 for Routine Maintenance (Day180) Possession of SA31 for Routine Maintenance (Subject to Excision and Instruct by Engineer within 819 days) Earliest Date to Possession of SA30A (Include EOT GCL submitted and awarded upto Apr 2013) KD1: Completion of Section 1 - (Day1216) KD2: Completion of Section 1 - (Day1216) KD3: Completion of Section 3 - (Day1216) KD4: Completion of Section 3 - (Day1216) KD4: Completion of Section 4 - (Day1216) - Overall Completion of Works KD4: Completion of Section 4 - (Day1216) - Substantial Completion for Road Opening KD5: Completion of Section 7 - (Day1581) KD6: Completion of Section 8 - (Day1581) KD7: Completion of Section 9 - (Day1581) KD8: Completion of Section 10 - (Day1581) KD1: Completion of Section 11 - (Day1581) KD1: Completion of Section 12 - (Day1581) KD1: Completion of Section 13 - (Day1581) KD1: Completion of Section 14 - (Day1581) KD1: Completion of Section 17 - (Day1581) KD1: Completion of Section 17 - (Day1581) KD1: Completion of Section 17 - (Day1581) KD1: Latest Date to Compl of Section 17 - (Day397) Subject to Excision USBMISSION Design Possignation & Reporting Ground Investigation for Alternative Design Report of Ground Investigation AD1 - Approval by ER/CLIENT/CEDD (GEO) D2: W57B AD2 - Dasign Period AD2 - Approval by ER/CLIENT/CEDD (GEO)	Possession of SA23 for Routine Maintenance (Day180) Possession of SA24 for Routine Maintenance (Day180) Possession of SA25 for Routine Maintenance (Day270) Possession of SA25 for Routine Maintenance (Day0) Possession of SA26 for Routine Maintenance (Day0) Possession of SA26 for Routine Maintenance (Day0) Possession of SA26 for Routine Maintenance (Day0) Possession of SA28 for Routine Maintenance (Day0) Possession of SA26 for Routine Maintenance (Day0) Possession of SA26 for Routine Maintenance (Day0) Possession of SA30 for Routine Maintenance (Day0) Possession of SA30 for Routine Maintenance (Day00) Possession of SA30 for Routine Maintenance (Day180) **Combination of SA30 for Routine Maintenance (Day180) **Combination of SA30 for Routine Maintenance (Day180) **Combination of SA30 for Routine Maintenance (Day180) **Completion of SA30 for Routine Maintenance (Day180) **Completion of Section of SA30 for Routine Maintenance (Day180) **Completion of Section of SA30 for Routine Maintenance (Day180) **Completion of Section of Section of Sa30 for Maintenance (Day1816) **Completion of Section of Section of Sa30 for Maintenance (Day1816) **Completion of Section of Section of Sa30 for Sa30 for Maintenance (Day181) **Completion of Section of Section of Sa30 for Sa30 for Maintenance (Day181) **Completion of Section of Section of Sa30 for Sa30 for Maintenance (Day181) **Completion of Section of Section of Sa30 for Sa30 for Maintenance (Day181) **Completion of Section of Section of Sa30 for Maintenance (Day181) **Completion of Section of Section of Sa30 for Maintenance (Day181) **Completion of Section of Section of Section of Sa30 for Maintenance (Day181) **Completion of Section of Section of Sa30 for Maintenance (Day181) **Completion of Section of Secti	Prosession of SA23 for Routine Maintenance (Day180) 100%	Prost Completion Completi	Please P	Please December December	Procession of SASS for Plautine Mathemanae (Day/180)	Floorable for 15/23 for Procure Multi-Internative (1947/90) 100% 1	Computer Computer (Computer (Com	Priest Complete Developer Develope	Processor of 3000 for Roams National Section (1991) 10 10 10 10 10 10 10	Processor of 1560 for Poule Multime man (Part 16)	Processor of 14/10 for 15/20 for 1	Page Page

	4													
Activity ID	Activity Name	Total Activity		Finish		2	013 Q4			Q1	2	2014	Q2	lD3
		Float Comple			44	45	46	47	48	49	50	51	52	53 54
AD000330	AD3 - Approval by ER/CLIENT/CEDD (GEO)	100	% 100 02-Aug-10	A 29-Nov-10 A			1 1 1 1		1 1 1	i ! !	1			
Package A	AD4: W38								1		1			
AD000410	AD4 - Design Period	100	% 78 09-Jun-10 <i>i</i>	A 09-Sep-10 A										
AD000420	AD4 - Full Package to ICE for Certification	100	% 18 10-Sep-10	A 09-Nov-10 A				; !	; ; ;	<u> </u>	: : : :	-		,
AD000430	AD4 - Approval by ER/CLIENT/CEDD (GEO)	100	% 54 11-Nov-10	A 15-Jan-11 A		!	-		1 1 1		1 1 1			
Package A	AD5 (Noise Barrier Foundation): NB38, NB39, NB41 & NB43								1		1			
AD000510	AD5 - Design Period	100	% 98 21-Jul-10 A	22-Oct-10 A										
AD000520	AD5 - Full Package to ICE for Certification	100	% 51 23-Oct-10 A	22-Dec-10 A					1		i 1 1			
AD000530	AD5 - Approval by ER/CLIENT/CEDD (GEO)	100	% 74 18-Oct-10 A	14-Jan-11 A			:	<u> </u>	!]	!	<u> </u>		
MATERIA	LS PROCUREMENT								!	!	!			
	erials (Detail shall refer to supplementary information)								1					
Water Wo						:	 	! !	1 1 1	1 1 1	1 1 1			
MA001010	Place Order	100	% 0 31-Aug-10	Α			 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 			
MA001030	Fabrication, Manufacturing & Delivery	100		A 31-Aug-12 A					1	1 1 1 1	! ! !			
		100	300 31-Aug-10	A 31-Aug-12 A				: :						
III <u>—</u>	Parapet SSD161	400	0/ 00 May 44	Λ.			i 1 1 1	!	1 1 1	1 1 1	1 1 1			
MA001050	Place Order	100					 		1 1 1		! ! !			
MA001060	Fabrication, Manufacturing & Delivery	100	% 350 26-May-11	A 24-Aug-12 A					1	1	1			
Bearing														
MA001070	Place Order	100				-		ļ		ļ	; }			<u> </u>
MA001080	Fabrication, Manufacturing & Delivery	100	% 630 31-Jul-10 A	05-Aug-12 A					1 1 1	1	1 1 1			
Movement	t Joint								1 1 1 1		1 1 1			
MA001090	Place Order	100												
MA001100	Fabrication, Manufacturing & Delivery	100	% 620 31-Aug-10	A 31-Aug-12 A							: ! !			
CONSTRU	UCTION PHASE						 		1 1 1		! ! !			
Preliminari	ies & General Requirement								· 		 !			
Preliminar	ries								1		: : :			
	Submissions					!	1 1 1		1 1 1		! ! !			
PR000000	Commencement of Works	100	% 0 26-Feb-10	A					1		!			
PR001000	Site Establishment	100		A 25-May-10 A					1					
PR001010	Effect required Insurances	100		-				i 		i -i	i 	i		
PR001030	Erect Contractor's Office Compound	100		A 04-May-10 A					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1			
PR001040	Submit SIte Organization Chart	100		A 10-Mar-10 A				! ! !	1	1 1 1 1	1 1 1 1			
PR001050	Submit Site Layout Plan	100	% 7 26-Feb-10 A	A 03-Mar-10 A			i 1 1	! !	1 1 1	1 1 1	1 1 1			
PR001060	Prepare/Submit Initial Works Programme	100		A 03-Mar-10 A			1 1 1	 	1 1 1	1 1 1 1	1 1 1			
PR001070	Approval on Initial Works Programme	100	% 30 04-Mar-10	A 02-Apr-10 A				¦			 			[
PR001080	Prepare/Submit Detailed Works Programme	100	% 58 03-Apr-10 A	A 30-May-10 A					1	, 1 1 1	, 			,
PR001090	Prepare/Submit First 3-month Programme	100	% 14 26-Feb-10	A 10-Mar-10 A		-	; ; ; ;	! !	1 1 1	1 1 1	1 1 1			
PR001100	Submit initial 12-month Pgr for Rou. Maint. Work	100	% 14 26-Feb-10	A 10-Mar-10 A			 		1 1 1 1	1 1 1	 			
PR001110	Submit Rolling 3month Routine Maint. Program	100	% 14 26-Feb-10	A 10-Mar-10 A				1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1			
PR001170	Prepare/Submit Subcon Management Plan (SMP)	100	% 30 26-Feb-10	A 26-Mar-10 A	1:	- 				-i	; ;			;
PR001200	Submit Interface Management Plan	100	% 60 26-Feb-10	A 25-Apr-10 A		-	1 1 1	! !	1 1 1	1 1 1	1 1 1			
PR001242	Application of Expressway Permit	100	% 7 26-Feb-10	A 03-Mar-10 A		!	 	1 1 1	1 1 1	1 1 1 1	1 1 1			
PR001244	Approval of Expressway Permit	100	% 21 04-Mar-10	A 24-Mar-10 A			!		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1			
PR001246	Issurance of Excavation Permit form Hyd	100	% 7 26-Feb-10	A 03-Mar-10 A				! !	1	1 1 1 1	1 1 1 1			
PR001256	Complete All General Submission	100	% 0	30-May-10 A	1::	- 		i	·	-i	; ; ;			
Technical	Submission		, , , , , , , , , , , , , , , , , , ,	<u>'</u>			 	!	1 1 1	1 1 1	1 1 1 1			

Activity Name	Total Activit	% Original Start	Finish		20					2014		
				44		Q4	47	48	Q1 49 5	0 51	Q2 52	53
Submit Draft Traffic Management Contingency	10	0% 45 26-Feb-10 A	10-Apr-10 A		.,					- 01		
Submit Sch of Const Seq/TTA in Prin Agreement	10	0% 14 26-Feb-10 A	10-Mar-10 A			1				:	1	
Submit TIA/TTA to ER, TD, HKPF etc for Approval	10	0% 60 26-Feb-10 A	25-Apr-10 A			1					1	
Prepare/Submit Sch of Util Arrangement	10	0% 60 26-Feb-10 A	25-Apr-10 A			!		L				
Prepare/Submit Conc Mix Design and Trial Test	10	0% 70 26-Feb-10 A	05-May-10 A									
Perform Slope / Topographic Survey	10	95 26-Feb-10 A	30-May-10 A			i 1 1			1	i !	i 1 1	; ;
Perform Natural Terrain Survey	10	0% 200 01-Jan-11 A	19-Jul-11 A			1 1 1			1		1 1 1	
Perform Tree Survey	10	0% 125 26-Feb-10 A	29-Jun-10 A			1			1		1	1
Perform Existing Structural Survey	10	95 26-Feb-10 A	30-May-10 A									
Install Geotechnical Instrumentation	10	90 26-Feb-10 A	25-May-10 A									
Design for Temporary Noise Barrier	10	0% 120 26-Feb-10 A	24-Jun-10 A			1			1	1	1	i
Approval for Temporary Noise Barrier	10	0% 30 26-Jun-10 A	24-Jul-10 A			1 1 1			1 1 1	!	1 1 1	1
Design for Irrigation System	10	0% 150 26-Feb-10 A	24-Jul-10 A			1					1	
Approval for Irrigation System	10	0% 24 26-Feb-11 A	21-Mar-11 A				!					!
Detail review of the natural terrain hazard assessment by GEO	10	90 26-Oct-11 A	23-Jan-12 A									
Design for Permanent Debris Catch Fence	10	90 26-Oct-11 A	23-Jan-12 A									
Approval for Debris Catch Fence System Design	10	0% 30 24-Jan-12 A	22-Feb-12 A			1 1 1			1 1 1	!	1 1 1	1
Temporary Works Design	10	0% 200 26-Feb-10 A	12-Sep-10 A			1 1 1			1		1 1 1	
Complete All Technical Submission	10	0% 0	22-Feb-12 A			!	!	 				
Consultants												
Nominate/Submit Horticulturist for Approval	10	0% 45 26-Feb-10 A	10-Apr-10 A			1			1	1	1	i !
Nominate/Submit IIC (Highway Structures)	10	0% 45 26-Feb-10 A	10-Apr-10 A			1					1 1 1	
Nominate/Submit Traffic Consultant for Approval	10	7 26-Feb-10 A	03-Mar-10 A			1			1		1	
Complete Engagement of Specialist Consultants	10	0% 0	10-Apr-10 A									
omission						1			1 1 1	1	1	i i
Prepare/Submit Quality Plan	10	0% 28 26-Feb-10 A	24-Mar-10 A			1					1 1 1	
Prepare/Submit Draft Health & Safety Plan	10	0% 14 26-Feb-10 A	10-Mar-10 A			!			1		!	1
Prepare/Submit Final Health & Safety Plan	10	0% 35 26-Feb-10 A	31-Mar-10 A									
Prepare/Submit Draft Env Management Plan	10	0% 21 26-Feb-10 A	17-Mar-10 A	:						:		
Prepare/Submit Final Env Management Plan	10	0% 45 26-Feb-10 A	10-Apr-10 A			1					1	
Submit Site Management Plan for Trip Ticket Sys	10	0% 45 26-Feb-10 A	10-Apr-10 A			!			1		!	
Complete All QSHE Submission	10	0% 0	10-Apr-10 A									
Orders Control of the				1		1 1 1		1 1 1 1 1 1	1 1 1	1	1 1 1	1
VO. 1: Revised layout of Piles, NLKP5	10	0 17-Jun-10 A				!						!
VO. 2: Fencing Detaills Along Site Boundaries of SA29	10	0 20-Aug-10 A										'
VO. 3: Existing Bridge 12 Pilecap Concrete Testing (P5/6/8)	10	0 17-Sep-10 A				: ! !					: 1 1	
VO. 4: Revised Setting Out Plan of Slip Road W in SA28 & SA31	10	0 15-Sep-10 A		1		1 1 1			1	!	1 1 1	
VO. 5: Revised Setting Out Plan of Slip Road W in Site Area SA30	10	0 15-Sep-10 A										'
VO. 6: Bridge 15A Pilecap Sleeving Details	10	0% 0 19-Oct-10 A				1				 	 	
VO. 7: Modification of Noise Barrier Footing for NB42 & NB44	10	0 14-Dec-10 A				: ! !					: 1 1	
VO. 8: Revised Layout of Southen Trunk Sewer	10	0 15-Dec-10 A		:		1				!	1	
VO. 9: Relocation and Deletion of Access Door at Noise Barrier	10	0 04-Jan-11 A				1 1 1 1				!	1 1 1 1	
VO. 10: Fencing details along Site Boundaries of Section subject to Excision	10	0 04-Jan-11 A										'
VO. 11: Fencing details along Site Boundaries of Section subject to Excision	10	0 04-Jan-11 A		1								
VO. 12: Fencing for Former Lot 1308 S.B in D.D.6	10	0 12-Jan-11 A				: ! !					: 1 1	
VO. 13: Relocation of Existing HKCG HP600mm Gasmains at Slip Road T	10	0 12-Aug-11 A		:		1				!	1	
VO. 14: Revised Layout of Police Observation Platform at CH3700	10	0 27-Jan-11 A			1	1	1				1	1
	Submit Draft Traffic Management Contingency Submit Sch of Const SeqTTA in Prin Agreement Submit TIA/TTA to ER, TD, HKPF etc for Approval Prepare/Submit Sch of Util Arrangement Prepare/Submit Conc Mix Design and Trial Test Perform Slope / Topographic Survey Perform Natural Terrain Survey Perform Natural Terrain Survey Perform Tree Survey Perform Existing Structural Survey Install Geotechnical Instrumentation Design for Temporary Noise Barrier Approval for Temporary Noise Barrier Design for Irrigation System Approval for Irrigation System Detail review of the natural terrain hazard assessment by GEO Design for Permanent Debris Catch Fence Approval for Debris Catch Fence System Design Temporary Works Design Complete All Technical Submission Consultants Nominate/Submit Horticulturist for Approval Nominate/Submit Traffic Consultant for Approval Complete Engagement of Specialist Consultants Design for Permanent Plan for Trip Ticket Sys Complete All Stel Management Plan Prepare/Submit Draft Health & Safety Plan Prepare/Submit Dra	Submit Drait Traitic Management Confingency Submit Sch Orost Soq/TTA in Prin Agreement Prepare/Submit Sch of Ulla Arrangement Prepare/Submit Sch of Ulla Arrangement Propare/Submit Conc Mix Design and Trial Test Perform Stope / Topographic Survey 100 Perform Natural Terrain Survey Perform Natural Terrain Survey Perform Natural Terrain Survey Perform Natural Terrain Survey 100 Perform Tree Survey Perform Existing Structural Survey 100 Install Geotechnical Instrumentation 100 Design for Temporary Noise Barrier 100 Design for Temporary Noise Barrier 100 Design for Temporary Noise Barrier 100 Design for Impartal terrain hazard assessment by GEO 100 Design for Permanent Debits Catch Fence Approval for Incipation System 100 Design for Design Survey 100 Design for Permanent Debits Catch Fence 100 Approval for Incipation System 100 Design for Design Survey 100 Design for Permanent Debits Catch Fence 100 Approval for Debits Catch Fence System Design 100 Design for Design Survey 100 Design for Permanent Debits Catch Fence 100 Approval for Debits Catch Fence System Design 100 Design for Design Survey 100 Design for Permanent Debits Catch Fence 100 Design for Perm	Submit Draft Traffic Management Contingency	Submit Duth Traffic Management Cortingency	Secret Draft Traitio Management Contrigency	Submit Rath of Control Franco Management Contrigency 100% 1	Private Complete Duration Private Complete Duration Private Complete Private Private	Companies Comp	Private Teach Management Contriguing 50	Part Complete Co	March 2 out TransChail Special Complete Seam-Stand Count Special Cou	Prof. Complete Decision D

Activity ID	Activity Name	Total	Activity %	Original Sta	rt	Finish		20	013					2014		
, ,		Float		Duration			44	45	Q4 46	47	48	Q1 49	50	51	Q2 52	53 5
VO000150	VO. 15: Revised Layout of Slope S28		100%	0 01-	Feb-11 A		++	40	40	47	40	43	30	31	32	33 (
VO000160	VO. 16: Additional Packaging Requirement for Mulch Delivered to LCSD		100%	0 25-	Jan-11 A											
VO000170	VO. 17: Revised Bridge 12B and Temp Reinstatement at Existing Bridge 12		100%	0 30-	Apr-11 A			i ! !			1	; !	1		1	
VO000180	VO. 18: Delivered 5 cubic meters of Mulch to EPD		100%	0 15-	Feb-11 A				-		1 1 1		1		1	
VO000190	VO. 19: Protection for Existing HKCG HP 600mm Gasmain at Slip Rd T		100%	0 07-	Mar-11 A			1			1		1		1	
VO000200	VO. 20: Revised Fire Mains alignment Plan		100%	0 31-	Mar-11 A											
VO000210	VO. 21: Reinforced Earth Walls at Bridge 18A Abutment		100%	0 07-	Sep-11 A				- j						-j	·
VO000220	VO. 22: Revised Layout of Proposed Lighting and Meter Box at Ma Wo Subway (TP9)		100%	0 15-	Apr-11 A		1	 	-		1 1 1	1 1 1	1		1	
VO000230	VO. 23: Provision of Drainage at Noise Barriers 41 & 42		100%	0 20-	Apr-11 A			1 1 1					1			
VO000250	VO. 25: Construction of Cross Road Ducts and Traffic Signal Drawpits		100%	0 27-	Apr-11 A											
VO000260	VO. 26: Permanent Diversion of Existing DN80 WSD Watermain at MA Wo Subway (TP9)		100%	0 03-	May-11 A											
VO000270	VO. 27: Temp. Access and Lighting for Inspection on Bridge 13 Deck Interior		100%	0 16-	May-11 A							;				
VO000280	VO. 28: Provision of Hoarding at Site Boundary of SA22 and SA25		100%	0 11-	May-11 A			 	-		1 1 1	1 1 1			1	
VO000300	VO. 30: Removal of dead trees under LKB		100%	0 05-	Jul-11 A						1				1	
VO000310	VO. 31: Fencing for Former Lot 1308S.B. in D.D.6		100%	0 27-	Jul-11 A			! !					1			
VO000330	VO. 33: Drainage Details at W48		100%	0 03-	Aug-11 A			1								
VO000350	VO. 35: Revised Southern Trunk Sewer Manholes Schedule		100%	0 14-	Oct-11 A					1						1
VO000360	VO. 36: Slip Road R road drainage details		100%	0 17-	Oct-11 A			-		1	1	1	1 1 1		1	
VO000370	VO. 37: Bridge 12A, 13A, LB1, 2, 3 - Pilecaps Sleeving Details		100%	0 18-	Nov-11 A			1 1 1			1 1 1	 			1 1 1	
VO000380	VO. 38: Bridge 18A -Reforced earth walls at West Abutment & associated slope works		100%	0 03-	Dec-11 A							1	1			
VO000390	VO. 39: Bridge 12A - Revised Foundation for North Abutment		100%	0 03-	Dec-11 A											
VO000400	VO. 40: New Lam Kam Road Flyover - Revised drainage arrangement for bridge deck		100%	0 30-	Nov-11 A											1
VO000410	VO. 41: 450mm Diameter U-channel flap valve behind noise barrier NB42		100%	0 01-	Dec-11 A		1	 	-	1	1 1 1	 	1		1	
VO000430	VO. 43: 450mm Diameter U-channel flap valve behind noise barrier NB42		100%	0 12-	Jan-12 A			1 1 1			1	 			1	
VO000440	VO. 44: Bridge 15A - Revised drainage arrangement for bridge deck		100%	0 12-	Jan-12 A			1								
VO000450	VO. 45: Details of drainage arrangement at Tai Po Tai Wo Road Link Bridge 1 & Bridge B13A		100%	0 31-	Jan-12 A											
VO000460	VO. 46: Modification of noise barrier footing for NB44		100%	0 13-	Feb-12 A		:	 								1 1
VO000520	VO. 52: Construction of cross road ducts & traffic signal drawpits at proposed crossing point of Tai W		100%	0 10-	Apr-12 A			1 1 1	}		1 1 1	 			1 1 1	
VO000530	VO. 53: Bridge 18A - Concrete Plinths for PCCW cables ducts		100%	0 20-	Apr-12 A			 					1		1	
VO000550	VO. 55: Provision of drainage at retaining wall W71 and Bridge B18A		100%	0 18-	Apr-12 A											
VO000590	VO. 59: Relocation of Existing WSD pumping station (PS106) gate at Hong Lok Yuen Road		100%	0 23-	Apr-12 A			i ! !			1	; !	1			
VO000620	VO. 62: Revised Metal Cover Details for Bridge Deck Soffit Access		100%	0 29-	May-12 A				-,]	,	
VO000650	VO. 65:Details of additional Vehicular Access Gate for Lot 412 at Tai Wo Servise Road west		100%	0 09-	Jul-12 A			1 1 1			1 1 1	 	1		1	
VO000660	VO. 66: Revised Foundation Details of Noise Barriers NB36		100%	0 19-	Jul-12 A							1	1			
VO000690	VO. 69: Revised Lighting Layout at Ma Wo Subway TP9		100%	0 01-	Aug-12 A											
VO000700	VO. 70: Provision of Digital callipers		100%	0 10-	Aug-12 A			i 1 1	į	1	1	 	1		1	
VO000710	VO. 71: Details of Typical Section for Slip Road R Verge at AUE Wall		100%	0 20-	Aug-12 A			1]	,	
VO000720	VO. 72: New Lam Kam Road Flyover - revised North and South Ramps Retaining Wall		100%	0 06-	Sep-12 A			1			1	1	1		1	
VO000730	VO. 73: Revised Sign Gantry Details of G23A, G24, G25, G26, G27, G28, G29, G56, G57, G58, G59,		100%	0 11-	Sep-12 A			! !					1		1	
VO000740	VO. 74: Bridge 12A South Abutment - Slope Reinstatement Works		100%	0 18-	Sep-12 A			: : :					1			
VO000750	VO. 75: Modification of Existing Air Valve Chamber at Slip Road W		100%	0 14-	Sep-12 A		:	1	-		1 1 1	1 1 1	1 1		1	
VO000760	VO. 76: Conduct Resistograph and Tomography Assessment to the Internal Decay of Important Tree		100%	0 19-	Sep-12 A		Intercharge	e¦ !		!		!				
VO000770	VO. 77: Provision of Cable Duct for Power Supply in Site Area SA28 and SA31		100%	0 17-	Oct-12 A							!				
VO000780	VO. 78: Bridge 18A Revised CLP Concrete Cable Trough Details		100%	0 22-	Oct-12 A			:			1	1			1	
VO000790	VO. 79: Bridge 18A East Abutment - Reinforced Concrete Wall (Bay3)		100%	0 14-	Nov-12 A			! ! !		1	1 1 1	 			1	
VO000800	VO. 80: Removal and Storage of Remaining Parts of Existing Speed Camera No. W05, W06 at NB a		100%	0 03-	Dec-12 A)6 at NB an	d W10 at	SB		1 1 1	 	1 1 1	1 1 1	1	
VO000810	VO. 81: Details of Maintenance Access of Noise Barrier NB41 and NB42 along Tai Wo Service Road		100%	0 04-	Jan-13 A		Tai Wo Ser	vice Roa	West						,	
VO000820	VO. 82: Irrigation System Along the Vehicular Access to Wai Tau Tsuen		100%	0 04-	Feb-13 A		ıen				1		1		1	

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		2013				2014		
iouvity io	, and the second	Float	Complete	Duration		44 45	Q4 46	47	Q1 48 49	50	E1	Q2 52	53 5
VO000830	VO. 83: Stormwater Drainage System MN18.1 to MN18.11 in Front of Retaining Wall W56B		100%	0 08-Feb-13 A		pf; Retaining; Wall W		47	48 49	50	51	52	
VO000840	VO. 84: Removal and Storage of Remaining Parts of Existing Speed Enforcement Camera No. TO06		100%	0 08-Feb-13 A		d Enforcement Cam	era No. TO0	at Tolo Hi	hway Southboung	Ŀ			1 1 1
VO000860	VO. 86: Provision of Verge Tubular Railing Adjacent to Retaining Wall W67		100%	0 12-Apr-13 A		jącent to Retaining	Wall W67						
VO000870	VO. 87: Existing Retaining Wall at Tai Po Tai Wo Road - Modification Works		100%	0 19-Apr-13 A		ai Wo Road - Modifi	cation Work	(S					:
VO000880	VO. 88: Additional Hospital Sign Plate for Existing Directional Signs DSX01A and DSX05B		100%	0 10-May-13 A		ate for Existing Direc	tional Signs	DSX01A an	d DSX05B			į	
VO000890	VO. 89: Change of Material of Southern Trunk Sewer Pipes between manhole		100%	0 10-May-13 A		nem Trunk Sewer Pi	1	!					
VO000900	VO. 90: Revised Southern Trunk Sewer Details		100%	0 10-May-13 A		wer Details				1			i ! !
VO000910	VO. 91: Nosing Details at South Abutment of Bridge 13A - Modification Works		100%	0 02-Jul-13 A		etails at South Abut	; ment of Brid	; lae 13A - Mo	dification Works	1			1
VO000920	VO. 92: Revised Noise Barrier Footing fro NB30 Bay 1		100%	0 14-Jun-13 A		Barrier Footing fro N	1-1				1		
VO000930	VO. 93: Irrigation System for the Shrub Planting Area Adjacent to Fanling Highway		100%	0 13-Jun-13 A		n for the Shrub Plan		diacent to Fa	nling Highway				
VO000940	VO. 94: Irrigation System for the Shrub Planting Area Adjacent to Lam Kam Road Interchange with c		100%	0 11-Jun-13 A		for the Shrub Plant	Ī			hange with	connection	n to Firemai	n
VO000950	VO. 95: Revised Sign Gantry G101 Details		100%	0 07-Jun-13 A		try G101 Details				l l			
VO000970	VO. 97: Provision of Stormwater Drainage System for the Wai Tau Tsuen Access Raod Behind W74		100%	0 13-Jun-13 A		rmwater Drainage S	system for th	e Wai Tau T	suen Access Ran	; d Rehind W	7 <u>4</u>		:
VO000970 VO000980	VO. 98: Revised Sign Gantry G101 Sign Face DS T8(B) Details		100%	0 11-Jun-13 A		antry G101 Sign Fac	1.3				`.' 		
VO000980 VO000990	VO. 99: Revised Sign Gantry G59 Details VO. 99: Revised Sign Gantry G59 Details		100%	0 11-Jun-13 A		antry G59 Details							
VO000990 VO001000	VO. 100: Revised Sign Gantry G58 Details VO. 100: Revised Sign Gantry G58 Details		100%	0 11-Jun-13 A		antry G58 Details					1		
VO001000 VO001010	VO. 101: Existing Bridges 12&13 - Revised Detail of the Strengthening Beam of the Stitching Slab		100%	0 02-Jul-13 A		Bridges 12&13 - Re	vided Detail	of the Stron	dath onin a Room of	the Stitching	r Slob		
VO001010 VO001030	VO. 101: Existing Bridges 12x13 - Nevised Detail of the Sitering Beart of the Sitering Slab VO. 103: Parapet Wall PW1 - Revised Drainage and Miscellaneous Details		100%	0 02-3d1-13 A		t Wall PW1 + Revise	1			the Stitching	Joian		<u> </u>
									! b		ļ		
VO001040	VO. 105: Additional Procest Consents Consents No. CR1.1		100%	0 26-Jun-13 A		lignment and Layou	1	i i	i i	1			
VO001050	VO. 105: Additional Precast Concrete Cover for Catchpit No. CP1.1		100%	0 02-Jul-13 A		al Precast Concrete				CU4.00			
VO001060	VO. 106: Revised Details fo Retaining Wall No. W71 and Slope S43 at CH0.00 to CH4.00		100%	0 02-Jul-13 A		Details fo Retaining	1 :	1	:	1			:
VO001070	VO. 107: Revised Alignment of U-Channel at Interface of Retaining Wall W66 and Slope S38		100%	0 02-Jul-13 A		Alignment of U-Cha	1	;	aining wall wbb a	na Siope Sa	8		; ;
VO001080	VO. 108: Revision for Proposed Cut Slope S31A		100%	0 11-Jul-13 A		sion for Proposed C	1.1		; 				<u> </u>
VO001090	VO. 109: Revision for Proposed Cut Slope S45		100%	0 19-Jul-13 A		evision for Proposed	1	1		1 1 1			
VO001100	VO. 110: Revised Base Plate Details of Noise Barrier NB38		100%	0 19-Aug-13 A		/O. 110: Revised Ba	se Plate De	tails of Nois	e Barner NB38				
Milestone	es of Temporary Traffic Arrangement												i I
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		the traffic to new bri	dge 18a				<u>.</u>		
TTA050	TTA Stage 5 - Full enclorsure 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 existing Northbound		100%	0 25-Feb-12 A									
TTA070	TTA Stage 7 - Close the existing southbound and temporary divert the traffic to the existing Northbound		100%	0 25-Feb-12 A						1			
TTA090	TTA Stage 9 - NLK Open the new Northbound but reserve one lane & close the existing Northbound	-34	0%	0 26-Oct-13			TTA Sta	ge 9 - NLK O	pen the new Nortl	nbound but r	eserve on	e lane & clo	e the exis
TTA110	TTA Stage 11 - Open the new LB2 and link up the LB1 & LB3	-6	0%	0 09-Nov-13			♦ TTA	Stage 11 -	Open the new LB2	and link up	the LB1 &	LB3	
TTA310	TTA Stage 5A-1 Diversion the traffic to B13A and B15A		100%	0 23-Jun-13 A		ersion the traffic to E	3A and B1	5 A					
TTA320	TTA Stage 4B-1 Diversion the traffic to (CH2600 - CH3000) N/B		100%	0 05-May-13 A		o (CH2600 - CH300	0) N/B			1			
TTA330	TTA Shift Lane for C1/C2 interface Final Stage (N/B)	-81	0%	0 14-Dec-13				♦ TTA	Shift Lane for C1	C2 interfac	e Final Sta	ıge (N/B)	
TTA340	TTA Shift Lane for C1/C2 interface Final Stage (S/B)	-80	0%	0 14-Dec-13				♦ TTA	Shift Lane for C1	C2 interfac	e Final Sta	.ge (S/B)	
TTA350	TTA Shift Lane for C2/C3 interface at TWSRW Road (Transition)	59	0%	0 26-Oct-13			TTA Shif	t Lane for Ca	2/C3 interface at T	WSRW Roa	d (Transiti	an)	
TTA360	TTA Shift Lane for C2/C3 interface (N/B)	31	0%	0 27-Nov-13			\	TTA Shift	Lane for C2/C3 in	terface (N/B	3)		-
TTA370	TTA Shift Lane for C2/C3 interface (S/B)	-32	0%	0 15-Feb-14					♦	TTA Shift La	ne for C2/	C3 interface	(S/B)
Section 1					<u>'</u>								
Site Area									. ! ! ! ! !				
PHSA2120	Possession of SA21 (Day141)		100%	0 16-Jul-10 A									
SA210000	Site Area SA21 Works Period	184	94.42%		24-Dec-13	<u> </u>			Site Area SA21 W	orks Period	<u> </u>		
SA210010	Site Area SA21 Works Completion	184	0%	0	24-Dec-13			1 1	Site Area SA21 W	1	: etion		
SA210010 SA210020	Temporary Traffic Management (Detail shall refer to supplementary information)	146	94.15%	872 16-Jul-10 A	24-Dec-13				Temporary Traffic		1	hall refer to	sunnlemen
SA210020 SA210030	Overall Utilities Diversion (Detail shall refer to supplementary information)	146			24-Dec-13				Overall Utilities Div		11	1 1	
3A210030	Overali otinites diversion (detail shan refer to supplementary miormation)	140	54.15%	012 10-JUI-10 A	2 1 -Dec-13				Unities DIV	UPIG	ا المالة المالية -	io suppre	mentary III

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		201	13				2014		
		Float		Duration		44	45	Q4 46 47	48	Q1 49	50	51	Q2 52	53 54
North Bou	ınd					44		40 47	40	49	50	31	52	53 54
Preliminari														
S21N0000	Site Clearance/Access Rd & acquisition of Sub-con		100%	63 15-Oct-10 A	30-Dec-10 A				1	1	1 1 1	1		1 1 1
Slopework	is a second of the second of t	l e e e e e e e e e e e e e e e e e e e		<u> </u>						1	1 1 1			
S21N5000	Slopeworks Fill(S21)	-71	90%	10 16-Feb-12 A	05-Nov-13	-		Slopeworks Fill(S21)	1	1			1
S21N5010	U-Channel and Berm	-55	10%	10 05-Oct-13 A	15-Nov-13			U-Channel a						
S21N5100	Slopeworks Cut (S22)	-63	90.53%	266 17-Feb-11 A	25-Nov-13			Slopewor	ks Cut (S22	2)		i		
S21N5110	Slopeworks Cut (S22) - Stage 1 (Upper +59mPD)		100%	72 17-Feb-11 A	20-May-11 A					1	1 1 1			
S21N5120	Slopeworks Cut (S22) - Stage 2 (Middle +57mPD)		100%	72 26-Oct-11 A	20-Jan-12 A					1	1			!
S21N5130	Slopeworks Cut (S22) - Stage 3 (Lower +55mPD)	-71	90%	72 28-May-12 A	04-Nov-13			Slopeworks Cut ((\$22) - Stag	ge 3 (Lowe	r +55mPD)		
S21N5140	U-Channel and Berm	-63	10%	20 05-Oct-13 A	25-Nov-13			U-Channe	e and Bern	n	1 1 1 1			1
S21N5210	Slopeworks Fill(S24)	-89	80%	55 14-Jan-13 A	07-Nov-13	1 1		Slopeworks Fill	(\$24)	1	1			
Extension	of Culverts			,							1			!
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				1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1
S21N1030	Construction of Wall Stem		100%	50 13-Dec-10 A	21-Mar-11 A					1	1			
S21N1040	Construction of Top Slab		100%	45 19-Jan-11 A	21-Mar-11 A					1	1			1
S21N1050	Extension of Box Culvert (TP9), Upstream (CSD 3) (incl. VO.22)		100%	0 26-Mar-11 A	31-Dec-11 A						1			
S21N1060	Temporary Water Diversion		100%	16 26-Mar-11 A	15-Apr-11 A				1	i 1 1	1 1 1			1
S21N1070	Construction of Base Slab		100%	75 30-Mar-11 A	05-Jul-11 A					1	1 1 1			
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						1			
Constructi	on of Retaining Wall								1	1 1 1 1	1 1 1			1
Retaining \	Wall W35									1	1			1
S21N2000	She et Pile/Excavate & Construct W35		100%	53 26-Mar-11 A	02-Jun-11 A									
	Opencut excavation		100%	18 26-Mar-11 A	16-Apr-11 A					1	1			1
S21N2020	Construction of W35 Structure		100%	30 26-May-11 A	18-Jun-11 A					1 1 1	1 1 1			
S21N2030	Backfilling		100%	14 26-Jul-11 A	10-Aug-11 A						1			
Retaining \	Wall W36										1			
S21N2100	She et Pile/Excavate & Construct W36		100%	85 11-Aug-11 A				; ; ;	; 		; !	<u> </u>		
S21N2110	Opencut excavation		100%	12 11-Aug-11 A					1	1 1 1	1 1 1	1		; 1 1 1
S21N2120	Construction of W36 Structure		100%	50 19-Sep-11 A							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1
S21N2130	Backfilling		100%	0 06-Feb-12 A						1	1	! !		
S21N2140	Backfilling behind W36 and drainage works	-59	75%	70 04-Mar-13 A	15-Nov-13			Backfilling be	hind W36	and draina	ge works			1
Retaining \	Wall W38 (AD4)									 - 		 		; ;
S21N2210	Pre-drilling		100%	24 26-Feb-11 A							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1
S21N2220	Prepare Piling Platform for W38		100%	30 26-Feb-11 A	·					! ! !	1			
S21N2225	COD: Mobilization of 1 no. rig from W56B to W38 for piling work		100%	60 14-Mar-11 A					1	1 1 1	1 1 1	!		! ! !
S21N2230	, ,		100%	141 26-Mar-11 A					1	1 1 1	1 1 1	 		1 1 1 1
S21N2231	Installation of Piles - Stage 1 (CH2470-2545)		100%	69 26-Mar-11 A										
S21N2232	,		100%	72 12-Apr-11 A						1	1	! ! !		
S21N2240	Retaining Wall & Drainage W38		100%	230 27-Jun-11 A						i I I	1 1 1 1	1		! ! !
S21N2242	Excavation to +54.5mPD		100%	60 27-Jun-11 A	· ·				1	1 1 1 1	1 1 1	! !		
S21N2244			100%	60 26-Sep-11 A							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1
			100%	75 07-Dec-11 A					-		<u> </u>			
	Backfilling to road formation - Stage 1 (CH2470 - 2520)		100%	50 21-Jan-12 A						: 	1			
S21N2254	Construction of Base & Wall - Stage 2 (Ch2520 - 2600)		100%	75 20-Feb-12 A	29-Sep-12 A	<u> </u>		i !	<u> </u>	1	1 1 1 1	<u> </u>	<u>i i</u>	

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		20	013			2	2014		
warry in	, acting ratio	Float		Duration		144		Q4	40	Q1			Q2 52	C
S21N225	Backfilling to formation level - Stage 2 (CH2520 - 2600)		100%	30 01-Oct-12 A	24-Dec-12 A	44	45	46 47	48	49	50	51	52	53 5
S21N226	Backfilling behind W38 and drainage works	-59	70%	70 04-Mar-13 A	19-Nov-13	-	-	Backfilling	behind W38	and drai	; nage works	1 1 1 1	1 1 1 1	1 1 1 1
Retaining	Wall W39 (CDS 3)									1 1 1	i i i i	1 1 1 1	i 1 1	7 1 1 1 1 1
S21N230	Clearing & Prepare Piling Platform & Pre-drilling for W39		100%	10 27-Jun-11 A	09-Jul-11 A		-		- L				! !	
\$21N225 \$21N226 Retaining \$21N230 \$21N230 \$21N230	Piling Works		100%	36 03-Oct-11 A	14-Nov-11 A						1	! ! !	!	1 1
S21N230	Sheet Pile/ Excavate & Construct W39		100%	75 20-Aug-12 A	01-Dec-12 A							! ! !		
	7 Opencut Excavation		100%	7 20-Aug-12 A	03-Sep-12 A					1	! !	! !	i !	
S21N230	Construction of W39 Structure		100%	50 04-Sep-12 A	21-Nov-12 A				!	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	! ! !	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
S21N230	Backfilling		100%	12 26-Nov-12 A	01-Dec-12 A		-		!		1		! !	1
S21N231	Backfilling behind W39 and drainage works	-55	75%	70 04-Mar-13 A	15-Nov-13			Backfilling b	ehind W39	and draina	ge works	! !		
Retaining	Wall W40 (CSD 3)	,		'	'					1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		i ! !	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
S21N231	Clearing & Prepare Piling Platform & Pre-drilling for W40		100%	12 03-Oct-11 A	17-Oct-11 A					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	!	1
S21N231	Excavation for W40		100%	12 20-Aug-12 A	06-Sep-12 A						1	! !	!	
S21N231	6 Construct W40		100%	40 07-Sep-12 A	13-Oct-12 A					1	 	 	 	1 1
S21N232	Backfilling		100%	11 20-Dec-12 A	29-Dec-12 A					1 1 1	1 1 1 1	1 1 1	i i i	. ! . ! ! !
S21N233	Backfilling behind W40 and drainage works	-69	55%	70 04-Mar-13 A	02-Dec-13	i	;	Backfil	ling behind	W40 and	drainage w	orks	1	i : : : : : : : : : : : : : : : : : : :
Retaining	Wall W41A	· · · · · · · · · · · · · · · · · · ·		,							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1	
S21N240	Sheet Pile/Excavate & Construct W41A		100%	72 26-Sep-11 A	25-Nov-11 A						1	1	!	
S21N241	Opencut Excavation		100%	7 26-Sep-11 A	04-Oct-11 A								 	
S21N242	Construction of W41A Structure		100%	47 05-Oct-11 A	31-Oct-11 A					1	1 1 1	! !	i ! !	
S21N243	D Backfilling		100%	18 01-Nov-11 A	25-Nov-11 A					1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	!	<u> </u>
Retaining	Wall W41B										1	1 1 1	1	1
S21N261	She et Pile/Excavate & Construct W41B		100%	71 26-Sep-11 A	25-Nov-11 A							1		
S21N262	Opencut Excavation		100%	7 26-Sep-11 A	04-Oct-11 A						1	1	1	
S21N264	Construction of W41B Structure		100%	47 05-Oct-11 A	31-Oct-11 A					1 1 1	1	1 1 1		1
S21N265	Backfilling		100%	17 01-Nov-11 A	25-Nov-11 A						1	1	1	
Retaining	Wall W45-48/A											! !		
S21N250	Sheet Pile/Excavate & Construct W45-48/A		100%	174 01-Mar-11 A					i ! !	 	i ! ! 	i i i	i ! ! !	; i ! ! !
S21N251	Opencut Excavation (W45, W46 & W47)		100%	36 12-Oct-11 A	23-Nov-11 A					1	1 1 1 1	1 1 1	1	
S21N252			100%	18 01-Mar-11 A							1	! !		
S21N253	· · · · · · · · · · · · · · · · · · ·		100%	75 01-Mar-12 A	-						1	! !	: : :	
S21N254			100%	45 13-Apr-12 A					!	1 1 1	1 1 1	1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S21N255			100%	60 01-Apr-11 A	-					-	 	 	 	
S21N256			100%	40 28-Aug-12 A						1	1	, 1 1 1		
S21N257	· · ·		100%	75 26-Jan-12 A					1	1 1 1	1 1 1 1 1	1 1 1	1	, , , , , , , , , , , , , , , , , , ,
S21N258			100%	75 01-Mar-12 A							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1	1 1 1 1
S21N259	-		100%	40 28-Aug-12 A								: : :		1 1
S21N260	Backfilling behind W45 to W48 and drainage works	-59	70%	70 04-Mar-13 A	19-Nov-13			Backfilling	behind W45	to W48 a	ind drainag	eworks	; 	
Retaining	Wall W49		40251	0.4 00.11	04.5.1.44.5					1 1 1	1 1 1	1 1 1	1 1 1	
S21N260	Clearing & Prepare Piling Platform & Pre-drilling for W49		100%	24 20-Nov-10 A							!	! ! !	!	
	Sheet Pile/Excavate & Construct W49		100%	96 26-Mar-11 A						1	1	; ; ; ;		1 1 1 1
S21N262			100%	18 26-Mar-11 A	-	_				1	1	! ! !	: !	. ! ! !
S21N263			100%	36 08-Mar-11 A	-						i 	 	 	ļ
S21N264	Backfilling Deskfilling behind W40 and drainess under		100%	15 22-Aug-11 A		_		Daalkee and	ind 14/40	ما ما عداد	- باد ماد	1 1 1		
S21N265	Backfilling behind W49 and drainage works	-52	80%	70 04-Mar-13 A	11-NoV-13			Backfilling bel	iina w 49 ar	na arainag	e works	1 1 1 1		1 1 1 1
Road Re-	Construction Works, Roadworks & Drainage		40001	00 44 5 46 1	04 150 40 4					1	1	; ; ; ;		1 1 1 1
02114-000	· · · · · · · · · · · · · · · · · · ·		100%	20 14-Dec-12 A		_				1 1 1	: 1 1 1	! !	i i i	. ! . ! . !
S21N4010	Road works Slow Lane (Ch2650 ~ 2840)		100%	20 10-Jan-13 A	11-Apr-13 A		1	1 1	1	1	1 1	1 1 1	1	

Acti	vity ID	Activity Name	Total	Activity %	Original Start	Finish		2013			2014		
			Float	Complete	Duration		44 45	Q4 46	47	Q1 48 49 50	51	Q2 52	Q3 53 54
	S21N4100	Roadworks, Drainages & Utilities (CH 2400 - 2840)	-81	67.86%	133 06-Aug-11 A	14-Dec-13			Ro	adworks, Drainages & Utilitie		2840)	
	S21N4110	Removal of existing paving		100%	25 06-Aug-11 A		xisting paving		: : : :				
Ш	S21N4120	Drainages (incl. VO 33 : Drainage details at W48)	40	100%	25 06-Aug-12 A		8)						
Ш	S21N4130	Utilities (incl. VO 26: Permanent Diversion of existing DN80 WSD Watermain at Ma WO Subway TP9)	-48	60%	25 08-Jul-13 A			Utilitie	es (incl. VC	26: Permanent Diversion o	existing DN8	30 WSD Wat	emain at Ma
Ш	S21N4135	Road Surface (Stage 1: CH2400 - CH2520)		100%	75 26-Dec-11 A							ļ	
Ш	S21N4140	Road Surface (Stage 2 : CH2520 - CH2840)	-81	43%	75 08-Jan-13 A				1	ad Surface (Stage 2 : CH25	20 -¦CH2840)		
Ш	S21N4141	Road Construction Works (CH2600 - CH3000) for traffic diversion stage 4B-1		100%	75 10-Jan-13 A	•	CH3000) for traffic o	1	1				
Ш	S21N4142	Road Construction Works (Fast Lane) for C1/C2 Interface stage 6B		100%	40 21-Jan-13 A	•	ne) for C1/ C2 Interfa		1				
Ш	S21N4143	Road Construction Works (Mid Lane) for C1/ C2 Interface stage 7B		100%	28 13-May-13 A		(Mid Lane) for C1/	i	i -	-1 OD			
Ш	S21N4144	Road Construction Works (Slow Lane) for C1/ C2 Interface stage 8B	70	100%	27 10-Jun-13 A		on Works (\$low Lar						
Ш	S21N4145	Road Construction Works for C1/ C2 Interface Final stage	-70	10%		03-Dec-13			Hoad C	Construction Works for C1/ C	2 Interface F	inai stage	
Ш	S21N4150	Shift lane for C1/ C2 Interface (Stage 1)		100%	0 27-Feb-12 A								
Ш	S21N4152	Shift lane for C1/ C2 interface (Stage 2: North Bound along W38 to W46)		100%	0 20-Jan-13 A		40.4		1				i 1 1
	S21N4153	Shift lane for (CH2600 - CH3000) stage 4B-1		100%	0 05-May-13 A		ge 4B-1		1		1 1 1		1 1 1
	S21N4155	Shift lane for C1/ C2 Interface stage 6B		100%	0 12-May-13 A		e 6B		ļ			ļ	1 1 1
Ш	S21N4156	Shift lane for C1/ C2 Interface stage 7B		100%	0 09-Jun-13 A		face stage 7B	1 1 1					
Ш	S21N4157	Shift lane for C1/ C2 Interface stage 8B		100%	0 07-Jul-13 A		//C2 Interface stage	e 8₿ ¦					
Ш	S21N4160	Shift lane for C1/ C2 interface Final stage	-81	0%	0 14-Dec-13				♦ Shi	ift lane for C1/ C2 interface F	inal stage		
Ш		ers & Road Barriers											
Ш	Noise Barri							. .	ļ			ļ	
Ш		NB31 (CH 0-183.6, W39 - W49)		100%	80 07-Nov-12 A								
Ш	S21N3060	NB31 : Excavation and Footing (Bay 1-4)		100%	24 07-Nov-12 A								
Ш	S21N3070	NB31 : Excavation and Footing (Bay 5 - 7)		100%	24 01-Dec-12 A								
Ш	S21N3080	NB31 : Erecting H-Column		100%	18 02-Jan-13 A								
Ш	S21N3090	NB31 (CH 90-183.6) : Installation Panel		100%	18 11-Jan-13 A				ļ			ļ	
Ш		Remaining NB31 Installation of Panel	-38	98.01%	7 27-Jun-13 A	26-Oct-13		Remainin	g NB31 Ins	stallation of Panel			
Ш		trol & Survelance System						-					! ! !
Ш	S21N4800	TCSS (Gantry G23A) (incl. VO73 Revised Sign Gantry Details)		100%	50 10-Jan-13 A	07-Sep-13 A	TCSS (Gantry	G23A) (incl.	VO73 Rev	vised Sign Gantry Details)			1
Ш	Landscapin												
Ш		Landscaping Works	-89	0%	40 08-Nov-13	24-Dec-13				Landscaping Works		ļ	
Ш	South Bou	ınd						1	1				i ! !
	Preliminario								1		1 1 1		
		Site Clearance/Access Rd		100%	48 15-Oct-10 A				1		1		1 1 1
		Site Clearance		100%	36 15-Oct-10 A								
	S21S0030	Access Road		100%	34 02-Nov-10 A	10-Dec-10 A		<u> </u>	<u> </u>	<u> </u>			
	Slopeworks								1 1 1		i 1 1		; ; ;
	S21S5000	Slopeworks Fill(S26)	-85	83.13%	40 25-Mar-13 A			Slopew	orks Fill(S	26)	1		1 1 1
	S21S5010	Slopeworks Fill(S26) - Lower +50mPD		100%	15 25-Mar-13 A	-	PD		1		1		1 1 1
	S21S5020	Slopeworks Fill(S26) - Upper +55mPD	-85	70%	23 13-May-13 A				1	26) - Upper +55mPD			
	S21S5100	Slopeworks Fill(S27)	-84	95%	120 09-Jan-13 A			Slopew	orks Fill(S2	27)			
	S21S5110	Slopeworks Fill(S27) - Lower +50mPD		100%	60 09-Jan-13 A								1
	S21S5120	Slopeworks Fill(S27) - Lower +55mPD	-84	90%	60 18-Jan-13 A	01-Nov-13		Slopew	orks Fill(S2	27) - Lower +55mPD	1		; ! !
	Extension of								1		1 1 1		1 1 1
	S21S1100	Extension of Box Culvert (TP9), Downstream		100%	60 20-Dec-12 A	06-Feb-13 A							1
	S21S5130	Temporary Water Diversion		100%	12 20-Dec-12 A			<u> </u>					
	S21S5140	Construction of Base Slab, Wall & Top Slab		100%	48 29-Dec-12 A	06-Feb-13 A					1		
	Construction	on of Retaining Wall							: : : :				
	Retaining V	Vall W50							1				
								•	-				

		11	Tarel Andrews	0	Chart	Finish		-	013				2014		
ctivi	טוע	Activity Name	Total Activity % Float Complete	Original Duration		Finish			Q4			Q1		Q2	
	S21S2000	She et Pile/Excavate & Construct W50 (w/SP)	100%		21-May-12 A	23-Apr-13 A	(SP)	45	46	47	48	49 5	0 51	52	53
		Sheet Pile & ELS Works	100%			07-Sep-12 A					1	1	1	1	
Н		Construction of W50 Structure	100%			19-Mar-13 A									
Н	S21S2030	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100%		20-Mar-13 A		-								
н		Vall W51-56 (CSD 3)	10076	30	20-1VIAI-13 A	20-Api-10 A									
ш		She et Pile / Excavate & Construct W51-56 (w/SP)	100%	216	25-Feb-11 Δ	27-Dec-12 A	_	1			! ! !	1 1 1		1 1 1	
ш		Sheet Pile & ELS Works (W51)	100%			11-May-11 A	-					1 1 1		1 1 1	
ш		Construction of W51 Structure	100%			14-Jun-11 A									
н		Sheet Pile & ELS Works (W52 & W53)	100%		· ·	16-Sep-11 A	-					!		1	
н		Construction of W52 & W53 Structure	100%			05-Dec-11 A	-								
ш		Backfilling of W51, W52 & W53	100%			27-Dec-12 A	-								
ш						03-Mar-12 A	-					i !		i !	
ш		Sheet Pile & ELS Works (W54, 55 & 56)	100%						 	 	 			 	
ш		Construction of W54, 55 & 56 Structure	100%		15-Feb-12 A		_					1		1 1 1	
ш		Backfilling of W54, 55 & 56	100%			27-Dec-12 A		!	D. J.C.	 	NE4 1- 10/20 -			1	
		Backfilling behind W51 to W56 and drainage works	-45 90%	70	04-Mar-13 A	U2-Nov-13			Backfill	ling behind \	W51 to W56 a	nd drainage	works		
ш		Vall W51A (CSD 3)		_								1 1 1		1 1 1	
ш		Excavate to cut-off level	100%			25-Jan-11 A									
ш		Capping/Walling for W51A	100%			01-Aug-11 A									
ш	S21S2165		100%	30	28-Dec-11 A	04-Feb-12 A									
ш		Vall W35A, (CSD 2)	1	1					i 1 1) 	i ! !	1	1	
ш		Construction of W35A (w/MP)	100%			05-Dec-12 A		1	1		i ! !	i 1 1	1	i i i	1
ш		Removal of existing concrete structure at W35A	100%		13-Apr-12 A							! ! !		! ! !	
ш	S21S2218	Mini Piles for W35A (8 nos.)	100%	30	25-Jul-12 A	14-Aug-12 A						1 1 1		1 1 1	
ш	S21S2230	Excavation and tie back installation	100%	25	15-Aug-12 A	09-Oct-12 A						 		1	
ш	S21S2240	Capping/Walling for W35A	100%	40	10-Oct-12 A	24-Nov-12 A		1	1		1	1 1 1	1	1	
Ш	S21S2250	Backfilling	100%	6	29-Nov-12 A	05-Dec-12 A									
Ш.	Road Re-co	onstruction Works, Roadworks & Drainage													
	S21S3895	Roadwork (South Bound slow lane along W35A)	100%	6	06-Dec-12 A	09-Dec-12 A					i !	i !		i !	
	S21S3896	Roadwork (South Bound slow lane along W50 - W56)	100%	30	01-Feb-13 A	29-Apr-13 A	g W50 - W	/56)			1 1 1	1 1 1	1	1 1 1	1
	S21S3900	Roadworks, Drainages & Utilities (CH 2400 - 2840)	-80 71.9%	150	25-Jan-13 A	14-Dec-13	1	1	!	Roa	dworks, Drain	ages & Utiliti	ies (¢H 240	0 - 2840)	
	S21S4001	Removal of Existing Paving	-80 70%	40	25-Jan-13 A	08-Nov-13	i	i	Remo	oval of Exist	ting Paving	1 1 1	1	1 1 1	
	S21S4002	Drainages (incl. VO33: Drainage details at W48)	-68 50%	30	14-Sep-13 A	12-Nov-13		!	Dra	inages (incl	. VO33: Draina	age details a	at W48)	1	
Ш	S21S4003	Utilities (incl. VO 26 & VO69)	-68 50%	30	27-Jul-13 A	29-Nov-13	:	!	;	Utilities (i	ncl. VO 26 & \	/O69)			
Ш	S21S4010	Road Surface (CH2400 - CH2840)	-80 53%	65	04-Mar-13 A	14-Dec-13		:		Roa	d Surface (CH	12400 - CH2	2840)		
Ш	S21S4011	Road Construction Works (Fast Lane) for C1/C2 Interface stage 4A	100%	40	21-Jan-13 A	13-Apr-13 A	¢2 Interfa	ce stage	1 A		 	 	1	1 1 1	! !
Ш	S21S4012	Road Construction Works (Mid Lane) for C1/C2 Interface stage 5A	100%	27	15-Apr-13 A	25-May-13 A	Lane) for	Q1/ C2 Int	erface stage	e 5A	1 1 1	1 1 1	1	1 1 1	1
Ш	S21S4013	Road Construction Works (Slow Lane) for C1/ C2 Interface stage 6A	100%	39	27-May-13 A	30-Jun-13 A	Works (S	low Lane)	far C1/ C2 I	hterface sta	ge 6A	1 1 1		1 1 1	
Ш	S21S4014	Road Construction Works for C1/ C2 Interface Final stage	-80 33%	45	02-Jul-13 A	14-Dec-13	!	!	!	Roa	d Construction	Works for	C1/ C2 Inter	ace Final sta	ιġe
П	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		stage 5A					; 1 1			
	S21S4033	Shift lane for C1/ C2 Interface stage 6A	100%	0	30-Jun-13 A		C2 Interfac	e stage 6	\		; ! !	; 1 1 1	1	1	!
	S21S4050	Shift lane for C1/ C2 interface (Final stage)	-80 0%	0	14-Dec-13					♦ Shift	t lane for C1/ (C2 interface	(Final stage) ¦	-
	Noise Barri	ers	<u> </u>			<u> </u>		1	ļ		; ; ;	; 1 1 1	1	1	1
	Noise Barri							1			; ; ; ;	1 1 1	1		
	S21S3010	NB29A (CH 0-62.3) on W35A (incl. VO 9: Construction of double leaf access door for noise barrier)	-39 95%	20	01-Aug-13 A	26-Oct-13	-		NB29A (C	H 0-62.3) o	n W35A (incl.	VO 9: Cons	truction of de	ouble leaf acc	cess door f
	S21S3011	NB29A (CH 0-62.3) on W35A - Erecting H-Column	100%		01-Aug-13 A	14-Sep-13 A			1	1 1	ting H-Columr	1	1		
	S21S3012	NB29A (CH 0-62.3) on W35A - Installing Panel	-39 90%		27-Aug-13 A	· ·				·	n W35A - Inst				
		<u> </u>						1	, ,					1	

ctivity ID	Activity Name	Total	Activity 9/	Original	Start	Finish		2	013				2	014		
CUVILY ID	Activity ratile	Total Float	Activity % Complete	Duration	Start	PilliSil			Q4	1 4=	40	Q1		C	22	C
Noise barr	er NB30						44	45	46	47	48	49	50	51 5	52	53 5
S21S3020	NB30 (CH 0-201.9) (incl. VO 9: Construction of double leaf access door for noise barrier)	-40	97.59%	104	01-Aug-12 A	29-Oct-13	- 1	İ	NB30 (; CH 0-201.9)	(incl. VO 9	Construc	tion of dou	ble leaf access	door for	r noise ba
S21S3021	NB30 - Excavation and Footing (bay 1 - bay 3)	-	100%		01-Aug-12 A			1		1		 		 	1	
S21S3026	NB30 - Excavation and Footing (bay 13 - bay 15)		100%		02-May-13 A		Footing (ba	; av 13 - ba	, 15)	1 1 1				 	 	
S21S3027	NB30 - Excavation and Footing (bay 4 - bay 12)		100%		02-Jul-13 A				1.3.1	d Footing (b	av 4 - bav 1	2)				
S21S3028	NB30 : Erecting H-Column	-40	95%		16-Sep-13 A	·	-	<u> </u>	1	Frecting H-Co	1	, , ,				
S21S3029	NB30 : Installing Panel	-40	80%	10	17-Oct-13 A	29-Oct-13			1	Installing Pa	1	 		1 1 1	 	i ! !
Noise Barr	ier NB33													 	 	
S21S3030	NB33 (CH 0-143) (incl. VO 9: Construction of double leaf access door for noise barrier)	-39	98.63%	102	01-Sep-12 A	28-Oct-13	- !	!	NB33 (0	CḤ 0-143) (in	d. VO 9: C	onstructio	n of double	e leaf access do	or for n	oise barri
S21S3031	NB33 : Excavation, construction of Footing & Backfilling (bay 3 - bay 13)		100%		01-Sep-12 A		 									
S21S3032	NB33 : Erecting H-Column (bay 3 - bay 13)		100%		14-Jan-13 A					1	1			1		
S21S3033	NB33 : Installing Panel (bay 3 - bay 13)		100%	12	25-Jan-13 A	02-Mar-13 A			-	1				 	 	
S21S3034	NB33 : Excavation, construction of Footing & Backfilling (bay 1 - bay 2)		100%	15	07-Mar-13 A	21-Mar-13 A	; ng (bay 1 -	; bay 2)		1				 	 	
S21S3035	NB33 : Erecting H-Column (bay 1 - bay 2)		100%		26-Apr-13 A		2)			1				1		
S21S3036	NB33 : Installing Panel (bay 1 - bay 2)	-39	80%	7	17-Oct-13 A	28-Oct-13	 	_	NB33 :	Installing Par	nel (bay 1 -	bay 2)				
Traffic Cor	itrol & Survelance System													1		
S21S4800	TCSS (Gantry G60A) (incl. VO73 Revised Sign Gantry Details)	-68	60%	45	02-Jul-13 A	29-Nov-13	- 1	1	1	TCSS (G	antry G60A	i) (incl. VC	73 Revise	d Sign Gantry [Details)	
Landscapi	na											1 ' '			1	
	Landscaping Works	-89	0%	40	08-Nov-13	24-Dec-13					Landscapin	g Works				
Middle La	ne						-									
	onstruction Works								-	1 1 1		 		1 1 1	 	
S21M4030	Roadworks, Drainage & Utilities (CH 2400 - 2840)	-65	58.46%	65	08-May-12 A	26-Nov-13	- 1	!	ļ	Roadwork	ks, Drainage	e & Utilitie	: s (CH 2400) - 2840)	1	
S21M4035	Removal of Central barrier & Roadmark		100%		08-May-12 A		; & Roadma	i ark		1			,	1		
S21M4040	Removal of Existing Paving		100%		18-May-12 A		- g									
Noise Barr	iers				-		<u>-</u>									
	er NB32, G23A & G60A							1	-	1 1 1		 		1 1 1	 	
	Excavate to cut-off level (Stage 1: Bay 1 - Bay 2)		100%	7	31-Jan-13 A	25-Feb-13 A				1	1			1		
S21M390	Construction for NB32 (Stage 1: Bay 1 - Bay 2)		100%	15	25-Feb-13 A	16-Mar-13 A	-									
S21M391	Excavate to cut-off level (Stage 2: Bay 3 - Bay 26)		100%	15	18-May-13 A	10-Aug-13 A	ayate to cu	; it∹off level	(Stage 2: E	; 3ay 3 - Bay 3	26)					į
S21M392	Construction for NB32 (Stage 2: Bay 3 - Bay 26 with G23A and G60A)		100%	50	31-May-13 A	07-Sep-13 A	Cons	truction fo	r NB32 (St	age 2: Bay 3	3 - Bay 26 v	with G23A	and G60A)	 	-
S21M393	Erecting H-Column, NB32		100%	20	05-Sep-13 A	26-Sep-13 A		: Erecting	H-Columr	n, NB32				 	 	
S21M394	Installing Panel & Road Barrier, NB32	-50	60%	30	05-Sep-13 A	08-Nov-13		1	; Inst	: alling Panel	: & Road Bai	rrier, NB3	2	1	1	1
S21M400	Backfilling (Stage 1: Bay 1 - Bay 2)		100%	10	18-Mar-13 A	20-Apr-13 A										
S21M401	Backfilling (Stage 2: Bay 3 - Bay 26)	-65	90%	20	15-Jul-13 A	28-Oct-13		1	Backfilli	ing (Stage 2:	: Bay 3 - Ba	y 26)		1	1	
S21M403	Road Lighting Works	-65	50%	10	29-Apr-13 A	02-Nov-13			Road	Lighting Wo	rks	 				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
S21M404	Remaining Roadworks & Road Surfacing	-65	50%	40	03-Oct-13 A	26-Nov-13			1	Remainin	: g Roadworl	ks & Road	Surfacing	1	1	
Ready For	Pre-Handover Retaining Wall of Section 1					l .										
HRW0010	Ready For Pre-Handover Retaining Wall W35, W36, W38, W39, W40, W44, W45, W46, W47, W48,	-45	0%	7	26-Oct-13	02-Nov-13			Ready	/ For Pre-Ha	ndover Ret	aining Wa	II W35, W	36, W38, W39,	W40, W	/44, W45,
HRW0011	Ready For Pre-Handover Retaining Wall W35A, W50, W51, W52, W53, W54, W55, W56	-45	0%	7	26-Oct-13	02-Nov-13		1	Ready	, For Pre-Ha	indover Ret	aining Wa	II W35A, V	V50, W51, W52	., W53, \	W54, W55
Section 2						<u> </u>										
Site Area	SA22										; !				1	
PHSA2220	Possession of SA22 (Day0)		100%	0	26-Feb-10 A					i 1 1	1			1		
SA220000	Site Area SA22 Works Period (incl. VO 28: Provision of hoarding at site boundry of SA 22)	129	90.51%		26-Feb-10 A	18-Feb-14	_ :		-	1	1		ta Araa S	22 Works Perio	od (incl	VO 28: P
SA220000 SA220010	Site Area SA22 Works Completion	129	90.51%	0	-0 1 GD-10 A	18-Feb-14	-					1		A22 Works Com		VO 20. PI
SA220010 SA220020	Temporary Traffic Management (Detail shall refer to supplementary information)	129	88.28%		25-Feb-10 A							 		raffic Managen	.`	tail chall
SA220020 SA220030	Overall Utilities Diversion (Detail shall refer to supplementary information)	129	88.28%		25-Feb-10 A		- !	1	1	1	1			es Diversion (E	`;	;
		123	30.20 /6	303	_0 1 00 10 A	.010014				1	1		· Oran Othill	CO DIVOISION (L	- Cian pile	J. 10101 10
North Bou	mu						- !	!	I :	1	1	:			į	į

Float Complete Duration Q4 Q1	Activity	ty Name	Total	Activity %	Original Start	Finish		20	013				2	014		
Preliminaries							4/1		Q4	47	48		50	51	Q2 52	53 54
S22M0001 Size Clearance-Roses Rd (WesAWWS8) 100% 30 28 Feb-10 A 15-Jun-10 A 15-Ze-20003 28 Ze-20003 28 Ze-2000	eliminaries						44	49	40	41	40	43	30	31	JZ	33 34
S22N0002 Access Road - Stage 1 (Near W56A) 100% 30 22 Mor 10 A 29 Apr 10 A		learance/Access Rd (W56A&W56B)		100%	90 26-Feb-10 A	18-Jun-10 A						! !				
S22N0003 Site Clearance - Stage 2 (Near W56B) 100% 30 19-Apr-10 A 25-May-10 A 18-Jun-10 2N0001 Site Clea	learance - Stage 1 (Near W56A)		100%	30 26-Feb-10 A	01-Apr-10 A											
S22N0040 Access Road - Stage 2 (Near W56B) 100% 30 13 May 10 A 18 Jun-10 A	2N0002 Access F	s Road - Stage 1 (Near W56A)		100%	30 22-Mar-10 A	29-Apr-10 A		!								
S22N0000 Erection of Temp Safety Fence (NB ch2840-3150) 100% 60 10-May-10 A 21-Jul-10 A S22N0040 Erection of Temp Safety Fence (NB ch2840-3000) 100% 30 10-May-10 A 14-Jul-10 A S22N0050 Erection of Temp Safety Fence (NB ch2840-3000) 100% 30 15-Jul-10 A 21-Jul-10 A S22N0500 Slopeworks (S29) & U-channel/Berm - Stage 1 (Cutslope) 100% 421 22-Jul-10 A 47-Dec-11 A S22N5010 Slopeworks (S29) & Stage 1 (Sol Nati Installation: ORS) 100% 12 25-Jul-10 A 40-Jul-10 A	2N0003 Site Clea	learance - Stage 2 (Near W56B)		100%	30 19-Apr-10 A	25-May-10 A						1	1			1
S22N0040 Erection of Temp Satety Fence (Ni6 ch2840-3000)	2N0004 Access F	s Road - Stage 2 (Near W56B)		100%	30 13-May-10 A	18-Jun-10 A										
S22N0500 Erection of Temp Safety Fence (NB ch3000-3150) 100% 30 15-Jun-10 A 21-Jul-10 A 21-Jul-10 A 21-Jul-10 A 32-Jul-10 A	2N0030 Erection	on of Temp Safety Fence (N/B ch2840-3150)		100%	60 10-May-10 A	21-Jul-10 A										1
Scans Scan	2N0040 Erection	on of Temp Safety Fence (N/B ch2840-3000)		100%	30 10-May-10 A	14-Jun-10 A		 				-				1
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N0050 Erection	on of Temp Safety Fence (N/B ch3000-3150)		100%	30 15-Jun-10 A	21-Jul-10 A							! ! ! !			1 1 1
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	peworks			1												
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5000 Slopewo	works Cut & U-Channel/Berm (S29-sn), C4		100%	421 22-Jul-10 A	17-Dec-11 A										
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5010 Slopewo	works (S29) & U-channel/Berm - Stage 1 (Cutslope)		100%	12 22-Jul-10 A	04-Aug-10 A		i !				1	i i		1	i ! !
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5020 Slopewo	works (S29) - Stage 1 (Soil Nail Installation : QRS)		100%	12 26-Mar-11 A	09-Apr-11 A						-				1
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5040 Slopewo	works (S29) & U-Channel/Berm - Stage 2 (Cutslope)		100%	50 19-Aug-10 A	19-Oct-10 A						1	! ! ! !		1	1 1 1
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5050 Slopewo	works (S29) - Stage 2 (Soil Nail Installation : MNOP)		100%	21 02-Apr-11 A	30-Apr-11 A										
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5070 Slopewo	works (S29) & U-Channel/Berm - Stage 3 (Cutslope)		100%	28 21-Oct-10 A	13-Nov-10 A										
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5080 Slopewo	works (S29) - Stage 3 (Soil Nail Installation : IJKL)		100%	36 27-Jun-11 A	08-Aug-11 A						1	i i		1	i 1 1
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5100 Slopewo	works (S29) & U-Channel/Berm - Stage 4 (Cutslope)		100%	36 26-Oct-11 A	07-Dec-11 A		 					I			1
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5110 Slopewo	works (S29) - Stage 4 (Soil Nail Installation : EFGH)		100%	36 07-Nov-11 A	28-Nov-11 A						1	! ! ! !		1	1 1 1
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5130 Slopewo	works (S29) & U-Channel/Berm - Stage 5 (Cutslope)		100%	36 03-Jan-13 A	31-Jan-13 A										
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5140 Slopewo	works (S29) - Stage 5 (Soil Nail Installation : ABCD)		100%	36 21-Nov-11 A	03-Jan-13 A							; ; ;		1	1
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	2N5160 Slopewo	works (S29) & U-Channel/Berm - Stage 6 (Cutslope)	3	90%	36 22-Apr-13 A	30-Oct-13	1	1	Slopeworl	s (S29) 8	U-Chann	el/Berm -	Stage 6 (Cu	utslope)	1	i 1 1
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	nstruction of Ret	letaining Wall	,		,											!
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	taining Wall W564	6A, (CSD 1)														
S22N2160 Base Slab for W56A 100% 141 05-Jul-11 A 19-Dec-11 A	22N2154 Excavate	ate to cut-off level (Stage 1, Bay 1 - 5)		100%	60 20-Apr-11 A	06-Jul-11 A							i i		1	; ; ;
	22N2155 Excavate	ate to cut-off level (Stage 2, Bay 5 - 9)		100%	50 26-Sep-11 A	24-Nov-11 A						1	! ! ! !		1	1
S22N2165 Base Slab for W56A (Stage 1), South 100% 50 06-Juh-11 A 17-Sep-11 A S22N2166 Base Slab for W56A (Stage 2), North 100% 56 04-Juh-12 A 14-Juh-12 A 4-Juh-12 A 4-	22N2160 Base Sla	Slab for W56A		100%	141 05-Jul-11 A	19-Dec-11 A						1	1 1			1
S22N2176 Base Slab for W56A (Stage 2), North 100% 56 04-Jun-12 A 14-Jul-12 A	22N2165 Base Sla	Slab for W56A (Stage 1), South		100%	50 05-Jul-11 A	17-Sep-11 A										
S22N2170 Wall Stem (Bay 1c & 1f) 17-Nov-12 A 17-No	22N2166 Base Sla	Slab for W56A (Stage 2), North		100%	56 04-Jun-12 A	14-Jul-12 A							i i		1	1
S22N2171 Wall Stem (Bay 1e & 1f) 100% 25 11-Aug-11 A 23-Sep-11 A	22N2170 Wall Ste	item		100%	172 11-Aug-11 A	17-Nov-12 A		 								1 1 1
S22N2173 Wall Stem (Bay 1c & 1d, 1a & 1b, 1g) 100% 25 26-Sep-11 A 26-Oct-11 A	22N2171 Wall Ste	Stem (Bay 1e & 1f)		100%	25 11-Aug-11 A	23-Sep-11 A										1 1 1
S22N2174 Wall Stem (Bay 2a, 2bnb, 2b) 100% 75 16-Jul-12 A 13-Oct-12 A	22N2173 Wall Ste	Stem (Bay 1c & 1d, 1a & 1b, 1g)		100%	25 26-Sep-11 A	26-Oct-11 A										
S22N2175 Wall Stem (Bay 2c, 2d) 100% 30 06-Aug-12 A 03-Nov-12 A S22N2176 Wall Stem (Bay 3) 100% 25 31-Aug-12 A 17-Nov-12 A S22N2186 Backfilling 100% 30 19-Nov-12 A 26-Jan-13 A Retaining Wall W56B (AD 1) S22N2210 Prepare Piling Platform for W56B 100% 37 02-Oct-10 A 11-Feb-11 A S22N2220 Pre-drilling for W56B 100% 37 02-Oct-10 A 15-Nov-10 A S22N2240 Pipe Pile for W56B 100% 98 20-Nov-10 A 21-Mar-11 A S22N2241 Pipe Pile for W56B - Stage 1 100% 75 20-Nov-10 A 23-Feb-11 A S22N2242 Pipe Pile for W56B - Stage 2 100% 75 31-Jan-11 A 23-Sep-11 A S22N2250 Construction of W56B 100% 276 17-Sep-11 A 06-Apr-13 A S22N2251 Excavation (W56B), upper 100% 75 17-Sep-11 A 05-Jan-12 A S22N2252 Excavation (W56B), Middle 100% 60 06-Jan-12 A 26-May-12 A	22N2174 Wall Ste	Stem (Bay 2a, 2bnb, 2b)		100%	75 16-Jul-12 A	13-Oct-12 A										
S22N2176 Wall Stem (Bay 3) 100% 25 31-Aug-12 A 17-Nov-12 A	22N2175 Wall Ste	Stem (Bay 2c, 2d)		100%	30 06-Aug-12 A	03-Nov-12 A		i !				1	i i		1	Î 1 1
S22N2186 Backfilling 100% 30 19-Nov-12 A 26-Jan-13 A	22N2176 Wall Ste	Stem (Bay 3)		100%	25 31-Aug-12 A	17-Nov-12 A		<u> </u>								
Retaining Wall W56B (AD 1)	22N2186 Backfillin	lling		100%	30 19-Nov-12 A	26-Jan-13 A							1 1			1
S22N2210 Prepare Piling Platform for W56B 100% 37 02-Oct-10 A 11-Feb-11 A	taining Wall W56E	6B (AD 1)														
S22N2220 Pre-drilling for W56B 100% 37 02-Oct-10 A 15-Nov-10 A 21-Mar-11 A 23-Feb-11 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A 23-Feb-11 A 23-Feb-11 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A 23-Feb-11 A 23-Feb-11 A 23-Feb-11 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 23-Feb-11 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A 15-Nov-10 A <td>22N2210 Prepare</td> <td>re Piling Platform for W56B</td> <td></td> <td>100%</td> <td>37 02-Oct-10 A</td> <td>11-Feb-11 A</td> <td></td>	22N2210 Prepare	re Piling Platform for W56B		100%	37 02-Oct-10 A	11-Feb-11 A										
S22N2240 Pipe Pile for W56B 100% 98 20-Nov-10 A 21-Mar-11 A	22N2220 Pre-drilli	illing for W56B		100%	37 02-Oct-10 A	15-Nov-10 A						1	i i i i		1	! ! !
S22N2241 Pipe Pile for W56B - Stage 1 100% 75 20-Nov-10 A 23-Feb-11 A S22N2242 Pipe Pile for W56B - Stage 2 100% 75 31-Jan-11 A 23-Sep-11 A S22N2250 Construction of W56B 100% 276 17-Sep-11 A 06-Apr-13 A S22N2251 Excavation (W56B), upper 100% 75 17-Sep-11 A 05-Jan-12 A S22N2252 Excavation (W56B), Middle 100% 60 06-Jan-12 A 26-May-12 A	22N2240 Pipe Pile	ile for W56B		100%	98 20-Nov-10 A	21-Mar-11 A		!								
S22N2242 Pipe Pile for W56B - Stage 2 100% 75 31-Jan-11 A 23-Sep-11 A S22N2250 Construction of W56B 100% 276 17-Sep-11 A 06-Apr-13 A S22N2251 Excavation (W56B), upper 100% 75 17-Sep-11 A 05-Jan-12 A S22N2252 Excavation (W56B), Middle 100% 60 06-Jan-12 A 26-May-12 A	Pipe Pile	ile for W56B - Stage 1		100%	75 20-Nov-10 A	23-Feb-11 A						1	1 1		1	1
S22N2250 Construction of W56B 100% 276 17-Sep-11 A 06-Apr-13 A S22N2251 Excavation (W56B), upper 100% 75 17-Sep-11 A 05-Jan-12 A S22N2252 Excavation (W56B), Middle 100% 60 06-Jan-12 A 26-May-12 A	Pipe Pile	ile for W56B - Stage 2		100%	75 31-Jan-11 A	23-Sep-11 A		:		 	 	; ! !		 		
S22N2251 Excavation (W56B), upper 100% 75 17-Sep-11 A 05-Jan-12 A S22N2252 Excavation (W56B), Middle 100% 60 06-Jan-12 A 26-May-12 A	22N2250 Construc	ruction of W56B		100%	276 17-Sep-11 A	06-Apr-13 A						1	1 1			1
S22N2252 Excavation (W56B), Middle 100% 60 06-Jan-12 A 26-May-12 A	22N2251 Excavation	ation (W56B), upper		100%	75 17-Sep-11 A	05-Jan-12 A						i 1 1	i i		1	i ! !
	22N2252 Excavation	ation (W56B), Middle		100%	60 06-Jan-12 A	26-May-12 A						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1	1 1 1 1
S22N2254 Excavation (W56B), bottom 100% 60 11-May-12 A 29-Sep-12 A				100%	60 11-May-12 A	29-Sep-12 A						1 1 1 1		!		1
S22N2260 Base Slab (W56B), (Bay 1 -3) 100% 25 27-Jul-12 A 10-Sep-12 A	22N2260 Base Sla	Slab (W56B), (Bay 1 -3)		100%	25 27-Jul-12 A	10-Sep-12 A		; !		 		: 		 		
S22N2262 Base Slab (W56B), (Bay 4 - 8) 100% 60 27-Sep-12 A 10-Nov-12 A	22N2262 Base Sla	Slab (W56B), (Bay 4 - 8)		100%	60 27-Sep-12 A	10-Nov-12 A										

ctivity ID	Activity Name	Total	Activity %	Original Start	Finish		2	013				2	2014		
·		Float	Complete	Duration		44	45	Q4 46	47	48	Q1 49	50	51	Q2 52	53 54
S22N2264	Base Slab (W56B), (Bay 9, 10 & 12A)		100%	35 27-Jul-12 A	13-Oct-12 A		1.0		•••	1				02	<u> </u>
S22N2270	Wall Stem (W56B), (Bay 1 - 3, Total 18 pours)		100%	75 01-Nov-12 A	06-Apr-13 A					1	1	1	1		,
S22N2274	Wall Stem (W56B), (Bay 4 - 8, Total 30 pours)		100%	75 12-Nov-12 A	06-Apr-13 A		1				1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	1 1 1
S22N2276	Wall Stem (W56B), (Bay 9 - 10, Total 12 pours)		100%	75 24-Nov-12 A	06-Apr-13 A							1			
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					1	1	i i	i !	i i i i	i ! !
Roadwork	s & Drainage						!					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	1
S22N4000	Roadworks, Drainages & Utilities (CH 2840 - 3140)	-43	61.24%	129 15-Jan-13 A	23-Dec-13	:	!	: :		Roadworks	., Drainag	es & Utilities	s (CH 284	9 - 3140)	
S22N4010	Roadworks Stage 1 (CH 2840 - 3000)		100%	30 15-Jan-13 A	29-Mar-13 A										
S22N4030	Drainages Stage 1 (CH2840 - 3000)		100%	30 15-Jan-13 A	05-Mar-13 A						1				,
S22N4040	Road Surface Works		100%	30 21-Mar-13 A	23-Apr-13 A		 			1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1
S22N4042	Roadworks Stage 2 (CH3000 - 3140)		100%	30 18-Mar-13 A	30-Jul-13 A	rks Stage 2	2 (CH300) ‡ 3140)		1	1	1	1	1 1 1 1 1 1	1
S22N4044	Drainages Stage 2 (CH3000 - 3140)		100%	30 20-Feb-13 A	11-Apr-13 A										
S22N4046	Road Surface Works		100%	30 17-May-13 A	18-Aug-13 A	oad Surfac	e Works								
S22N4048	Road Construction Works Remain Fast Lane (along CH2840 - 3140)	-43	0%	50 26-Oct-13	23-Dec-13					Road Cons	truction V	orks Rema	ain Fast La	ne (along C	CH2840 - 31
Noise Barı	riers									1	1	1 1		1 1 1 1 1 1	
Noise Bar	rier NB31A									1	1	1	1	1 1 1 1 1 1	1
S22N3020	NB31A (CH 0-21.9) on W56A (incl. VO 9: Construction of double leaf access door for noise barrier)		100%	74 15-Oct-12 A	22-Nov-12 A	rrier)						1			
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 Bo	und							:		1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	1 1 1
Preliminar	ries						!					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	1
S22S0000	Site Clearance/Access Rd		100%	84 01-Apr-10 A	16-Jul-10 A							1			
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								i	(
Slopework	ks						!					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	1
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					1				; ; ;	
S22S5040	Slopeworks Cut(S28) - Stage 2 (Cutslope)		100%	37 11-Dec-10 A	03-Jan-11 A						1		,)	,
S22S5060	Slopeworks Cut(S28) - Stage 2 (Soil Nail Installation : EFGH)		100%	37 08-Feb-11 A	23-Mar-11 A							1			
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)	-79	0%	40 13-Nov-13	02-Jan-14						einstaten	ent Works	(Bridge 12	B)	
Construct	ion of Retaining Wall											1			
Retaining	Wall RWB12B														
S22S2110	Pre-drilling for RWB12B		100%	24 16-Jul-10 A	12-Aug-10 A					1			i !	i i 1 1 1 1	
S22S2120	Piles for RWB12B		100%	116 13-Aug-10 A	20-Nov-10 A			:		1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	1 1 1
S22S2130	Excavate to cut-off level		100%	60 26-Jan-11 A	09-Apr-11 A								<u> </u>		
S22S2140	Capping/Walling for Bay 1-2, RWB12B		100%	60 28-Mar-11 A	10-May-12 A									1	
S22S2142			100%	75 11-May-12 A	03-Sep-12 A					1	1 1 1	: !	: ! !	. ! ! ! ! !	
\$22\$5010 \$22\$5030 \$22\$5040 \$22\$5040 \$22\$5060 \$22\$5070 \$22\$5090 \$22\$5100 Constructi Retaining \$22\$2110 \$22\$2120 \$22\$2140 \$22\$2142 \$22\$2150 Road Re-c \$22\$4405 \$22\$4410 \$22\$4415	Backfilling		100%	60 04-Sep-12 A	22-Jun-13 A	1	 			1 1 1 1	1 1 1	1	1 1 1		1 1 1
Road Re-c	construction Works, Roadworks & Drainage					1					1 1 1	1	1	1 1	1
S22S4000	Road Re-construction Works (CH 2840 - 3450)	-85	49.96%	185 06-May-13 A										Works (CH	2840 - 3450
S22S4405	Road and Drainages Works for Fast Lane (CH2840 - 3000)	-71	90%	45 06-May-13 A	31-Oct-13			; ;		1	1	ne (CH284		1 1	
S22S4410	Road Surface Works for Fast Lane (CH2840 - 3000)	-71	0%	12 31-Oct-13	14-Nov-13			Roa		1	1	(CH2840	1		
GEEGITIG	Road Re-Construction Works for Mid 2 Lane (CH2840 - 3000)	-71	0%	30 14-Nov-13	19-Dec-13	1	1				i	1	1	e (CH2840	
S22S4420	Road and Drainages Works for Fast and Mid Lane (CH3000 - 3450)	-71	0%	30 14-Nov-13	19-Dec-13	1:	:			ໃດ່ad and Di	rainanes \	Norks for F	act and Mi	d Lane (CH	13000 - 3450

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		20)13					2014		
Euvity ID	Activity Name	Float	Complete	Duration	i illisii	144		Q4	47	40	Q1			Q2 52	52
S22S4425	Road Surface Works for Fast Lane and Mid Lane (CH3000 - 3450)	-71	0%	12 19-Dec-13	06-Jan-14	44	45	46	47					and Mid La	53 5 ane (CH3000
S22S4430	Road and Drainages Works for Slow Lane (CH2840 - 3450)	-71	0%	12 06-Jan-14	20-Jan-14				 	F	oad and D	rainages \	Vorks for	Slow Lane	e (CH2840 - 3
S22S4435	Road Surface Works for Slow Lane (CH3000 - 3450)	-71	0%	7 20-Jan-14	28-Jan-14	$\exists !$				_	Road Su	rface Wor	; ks for Slov	Lane (C	H3000 - 3450
S22S4440	Road Construction Works Remaining Works (along CH2840 - 3450)	-85	0%	7 10-Feb-14	18-Feb-14			1		i !	■ R	oad Const	ruction W	orks Rem	aining Works
S22S4500	Roadworks for Realignment of Existing Shek Lin Road	-79	0%	30 02-Jan-14	10-Feb-14						Roa	dworks for	Realignm	nent of Exi	sting Shek Lir
Traffic Cor	ntrol & Survelance System			I	1								 		
S22S4820	TCSS - (Gantry 60) (incl. VO73 Revised Sign Gantry Details)	-71	30%	50 16-Sep-13 A	28-Jan-14						TCSS - (Gantry 60)	(incl. VO	73 Revise	d Sign Gantry
Modification	on of Existing Bridge 12				1			1	1	i ! !				1	
S22S1300	Demolish Existing Parapet & Stitching Works for bridge 12 & 12B (incl. VO3 & VO29)	-85	0%	70 16-Sep-13 A	18-Feb-14			1	1	1	D	emolish E	isting Par	rapet & Sti	itching Works
S22S1315	VO 3: Existing Bridge 12 pile cap construction		100%	30 17-Sep-10 A	15-Feb-11 A								! ! !		
S22S1322	Removal of Existing Steel Barrier and Surface	-6	80%	8 22-Jul-13 A	28-Oct-13			Removal	of Existing	Steel Bar	ier and Su	rface	! !		
S22S1323	Stitching Works of Existing Bridge Decks B12 and B12B	-6	80%	20 08-Aug-13 A	01-Nov-13			Stitchin	Works of	Existing B	ridge Deck	s B12 and	B12B		
S22S1324	Road Surface of B12B for TW Slip Road	-6	0%	7 01-Nov-13	09-Nov-13			Road	Surface o	B12B for	TW Slip R	oad	 	1	
S22S1326	Removal of existing central barrier along B12 and Erection breaking platform	-85	0%	12 16-Sep-13 A	07-Dec-13				Remo	val of exis	ing central	barrier al	ng B12 a	nd Erection	on breaking pl
S22S1328	Breaking the existing stitch of B12 and condition survey	-85	0%	18 23-Nov-13	14-Dec-13			_	Bre	aking the	xisting stit	ch of B12	and condi	tion surve	у
S22S1329	Removal M.J and Replacement M.J	-85	0%	8 14-Dec-13	24-Dec-13						I.J and Re	placemen	M.J		
S22S1331	Stitching Works for B12	-85	0%	35 24-Dec-13	10-Feb-14				_		Stitc	ning Work	s for B12		
S22S1332	Road Surface Works	-85	0%	7 10-Feb-14	18-Feb-14						■ R	oad Surfa	e Works	1	
Landscapi	ing		<u>'</u>							1			 	1	
S22S6000	Landscaping Works	-79	40%	50 23-Sep-13 A	10-Feb-14	-		<u> </u>	:		Lanc	Iscaping V	Vorks		
Site Area	SA23							1	1	i 			 	1	
PHSA2320	Possession of SA23 (Day180)		100%	0 04-May-10 A									 		
SA230000	Site Area SA23 Works Period	-76	85.75%	586 16-Jul-10 A	17-Jan-14			-		Si	e Area SA	23 Works	Period		
SA230010	Site Area SA23 Works Completion	161	0%	0	17-Jan-14					♦ Si	e Area SA	23 Works	; Completic	วที่	
South Bot	und									1			1 1 1	1	
Preliminari	ies									1			 	1	
S23S0000	Site Clearance / Site Access		100%	144 28-Dec-11 A	24-Aug-13 A	Site Cle araı	nce / Site	Access							
S23S1000	Site Clearance		100%	72 28-Dec-11 A	27-Dec-12 A									1	
S23S2000	Site Access		100%	72 28-Dec-12 A	24-Aug-13 A	Site Access	;			!			1 1 1 1	1	
Slopework	(S		<u>'</u>	'	'								 	1	
S21N2638	Slopeworks Fill (S27)		100%	99 29-Nov-12 A	24-Jan-13 A								! !		
S21N26381	Slopeworks Fill (S27) - Stage 1, +45mPD		100%	33 29-Nov-12 A	07-Dec-12 A					F			 	1	
S21N26382	Slopeworks Fill (S27) - Stage 2, +50mPD		100%	33 08-Dec-12 A	31-Dec-12 A								 	1	
S21N26383	Slopeworks Fill (S27) - Stage 3, +55mPD		100%	33 04-Jan-13 A	24-Jan-13 A					! ! !			, 1 1 1	/ 1 1	
Landscapi	ing									: ! !			! !	1	
S23S6000	Land scaping Works	-62	80%	50 23-Sep-13 A	17-Jan-14			-1		,	ndscaping	Works	! !		
Site Area	SA24														
PHSA2410	Possession of SA24 (Day180)		100%	0 04-May-10 A						, 1 1	1 1 1		, 1 1 1		
SA240000	Site Area SA24 Works Period	-82	88.52%	788 04-May-10 A	24-Jan-14			1	1	:	Site Area	SA24 Wor	ks Period	1 1 1	
SA240010	Site Area SA24 Works Completion	154	0%	0	24-Jan-14			!		♦	Site Area	SA24 Wor	ks Comple	eţion	
North Bou	und									! ! !			, 1 1 1	/ 1 1	
Preliminari	ies								;	:			:		
S24N0000	Site Clearance/Access Rd		100%	89 25-Aug-10 A	09-Dec-10 A			!		1 1 1			1 1 1 1	1 1 1	
S24N0010	Site Clearance		100%	72 25-Aug-10 A	19-Nov-10 A								! ! !	1	
S24N0020	Access Road		100%	72 07-Sep-10 A	09-Dec-10 A								! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Slopework	(S			,									, , , ,		
S24N5000	Slopeworks Cut(S31A)		100%	150 01-Jun-11 A	25-Nov-11 A					 	 		 	1	
				-											

Activity ID		Activity Name	Total	Activity %	Original Start	Finish		2	013					2014		
		,	Float		Duration		44		Q4	17	10	Q1 49	50		Q2 52	Q3
S24N	15010	Slopeworks Cut (S31A) & Soil Nail : Stage 1 (Upper +80mPD)		100%	60 01-Jun-11 A	06-Aug-11 A	44	45	46	47	48	49	50	51	52	<u> </u>
S24N	15020	Slopeworks Cut (S31A) & Soil Nail : Stage 2 (Lower +72mPD)		100%	60 08-Aug-11 A	22-Oct-11 A		1 1 1			1	1 1 1	1 1 1 1			
S24N	15030	Slopeworks Cut (S31A) : Shortcreting		100%	30 24-Oct-11 A	25-Nov-11 A				1	1	1	1 1 1	1		
S24N		Erect Scaffolding & Soil Nail Installation (Area 4)		100%	60 19-Mar-13 A	08-May-13 A	tion (Area 4)			1	1	1	! ! !			
S24N		Slope Reinstatement Works (Bridge 12ASA incl. VO74)	-17	70%	75 30-Apr-13 A					\$lope Rein	statement	Works (Bı	idge 12AS	A incl. VO	74)	
Cons	structio	on of Retaining Wall						i !			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	1	1	
		/all W56B-2 (Bay 12) (AD)						1 1 1			1	1 1 1	1 1 1 1			
		Prepare Piling Platform for W56B-2		100%	24 02-Oct-10 A	07-Feb-11 A					1	1	1			
S24	N2120	Pre-drilling for W56B-2		100%	18 28-Oct-10 A	18-Nov-10 A							! ! !		[
S24	N2130	Retaining Wall W56B-2		100%	255 21-Jan-11 A	01-Dec-11 A				ļ		ļ	, 	ļ		
S24	N2140	Piles for W56B-2 (Stage 2)		100%	75 21-Jan-11 A	23-Sep-11 A		! !	1	1	1 1 1	1 1 1	1 1 1 1	!	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Excavation, upper		100%	75 26-Sep-11 A	·		 			1	1 1 1	1 1 1 1			
S24	N2152	Excavation, Middle		100%	60 26-Sep-11 A	19-Apr-12 A				1	1 1 1	1	1 1 1			
		Excavation, Bottom		100%	75 11-May-12 A	-				1	1	1	1 1 1	1		
S24l	N2160	Construction of Base Slab (Bay 12)		100%	75 27-Jul-12 A	25-Aug-12 A									[
		Retaining Wall Structure (Bay 12B)		100%	40 01-Oct-12 A								1 1 1		1	
		Drainage & Backfilling W56B-2		100%	75 27-Feb-13 A						1	1	 	1	, , ,	
		/all W57A				,		1 1 1			1 1 1	1 1 1	1 1 1 1			
S24	N2200	Construction of W57A		100%	35 26-Jun-13 A	17-Aug-13 A	onstruction	of W57A			1	1	1			
S24	N2202	Construction of Structure W57A (W57B - bay1 to bay2)		100%	20 26-Jun-13 A	23-Jul-13 A	on of Structi	ure W57	A (W57B - b	pay1 to bay	2)		L	 !		<u> </u>
S24	N2203	Backfilling		100%	7 22-Jul-13 A	17-Aug-13 A	ackfilling					1	! ! !			
Reta	ining W	/all W57B (AD 2)	1									1	, 1 1 1		1	
S24	N2310	Prepare Piling Platform for W57B		100%	18 11-Jan-11 A	31-Jan-11 A				1	1 1 1	1 1 1	1 1 1 1	1	1	
S24	N2320	Pre-drill for W57B		100%	20 01-Apr-11 A	13-Apr-11 A		1 1 1			1	1 1 1	1 1 1 1			
S24	N2330	Piles for W57B		100%	45 01-Apr-11 A	14-May-11 A		ļ					L	 !		
S24	N2340	Excavate at W57B		100%	75 26-May-11 A	23-Aug-11 A					1	1	! ! !			
S24	N2360	Retaining Wall W57B		100%	75 19-Apr-12 A	11-Dec-12 A							, 1 1		1	
S24	N2370	Backfilling & Drainage W57B		100%	60 25-Jan-13 A	17-Aug-13 A	ackfilling & I	rainage	W57B		1 1 1) 	
Reta	ining W	/all W57C, (CSD 2)	1			1		1 1 1			1	1 1 1	1 1 1 1			
S24	N2402	Pre-drilling for W57C		100%	20 26-Mar-11 A	19-Apr-11 A		<u> </u>					<u></u>	† !		
S24	N2404	Piles for W57C		100%	45 01-Apr-11 A	14-May-11 A							! ! !		[
S24	N2407	Excavate to cut-off level		100%	75 26-May-11 A	23-Aug-11 A					1	1	1 1		1	
S24	N2408	Retaining Wall, W57C		100%	75 19-Apr-12 A	13-Dec-12 A		i !		1	1 1 1 1	 	1 1 1) 	
S24	N2420	Backfilling & Drainage for W57C		100%	54 25-Jan-13 A	17-Aug-13 A	ackfilling & [Draina ge	for W57C		1	1	1 1 1 1			
Reta	ining W	/all RWB12A	,													<u> </u>
S24	N1500	Piling & Construct RWB12A		100%	195 04-Jun-11 A	31-Jan-12 A				1	: 1 1 1	1 1 1	! ! !			
S24	N1510	Piling of RWB12A, Stage 1 (28/34 nos)		100%	60 04-Jun-11 A	31-Aug-11 A		! ! !			1 1 1	1 1 1	1 1 1			
S24	N1515	Piling of RWB12A, Stage 2 (6nos)		100%	24 01-Sep-11 A	23-Sep-11 A				1	1 1 1	1 1 1 1	1 1 1 1		İ	
S24	N1517	Piles Load Test		100%	36 26-Nov-11 A	10-Jan-12 A						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 			
S24	N1520	Construction of Base Slab, RWB12A		100%	60 23-Apr-12 A	17-Apr-13 A			-		 		L			
S24	N1522	Construction of Wall, RWB12A		100%	40 18-Apr-13 A	07-Jun-13 A	B12A			1	: 1 1 1	1 1 1	: 			
S24	N1530	Backfilling		100%	20 09-May-13 A	25-Jun-13 A		1 1 1			1 1 1	1 1 1	1 1 1			
S24l Reta S24l	N1540	Construction the wing slab of RWB12A	-64	30%	30 16-Sep-13 A	19-Nov-13		!	:	Construction	the wing	slab of RV	B12A			
Road	lworks,	, Drainage & Utilities									 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; ; ;		1	
S24N	14000	Roadworks, Drainages & Utilities (ch3140-3400, exclude B12A)	-67	31.7%	109 19-Aug-13 A	24-Jan-14						Roadwork	s, Drainag	es & Utilitie	s (ch3140)-3400, exclud
S24N	l4015	Road and Drainage Works		100%	10 19-Aug-13 A	14-Sep-13 A	Roa	d and D	rainage Wo	rks	1 1 1	1 1 1	: 		1	
S24N	14025	Road Surface Works for Mid and Slow Lane		100%	14 27-Aug-13 A	14-Sep-13 A	Roa	d Surfac	e Works fo	r Mid and S	ow Lane	1 1 1	 			
S24N	14026	TTA - Stage 4B-3		100%	0	14-Sep-13 A	♦ TTA	- Stage	4B-3	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1 1		İ	
		!	l l			1				1	1	1	ı	1		

		18														
Activ	vity ID	Activity Name	Total	Activity %	Original Start	Finish		20	013			01	2014			10
			Float	Complete	Duration		44	45	Q4 46	47	48	Q1 49 5		Q2 52	53	Q 5
	SA260040	Additional work to existing ball valves, HKCG	-45	0%	52 26-Oct-13	27-Dec-13				:	Additional	work to existing	ball valves, l	HKCG		
Ш	North Bou	ınd									, 					
	Preliminari	es								}	, , , ,	! ! !				1
Ш	S26N0000	Site Clearance/Access Rd (Tai Wo Road)		100%	150 26-Feb-10 A	28-Aug-10 A		1		1	1 		1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
Ш	S26N0010	Site Clearance (Tai Wo Road)		100%	75 26-Feb-10 A	31-May-10 A				1	1				1	-
Ш	S26N0020	Access Road (Tai Wo Road)		100%	75 01-Jun-10 A	28-Aug-10 A										-
Ш	Slopework	S								1	1 1 1	i 1 1 1	1		1	1
Ш	S26N5000	Slopeworks Cut(S31A-sn)		100%	150 01-Jun-11 A	25-Nov-11 A]	, , , L	 				1.
Ш	S26N5010	Slopeworks Cut(S31A-sn) - Stage 1 (Upper +65mPD)		100%	50 01-Jun-11 A	06-Aug-11 A		1		1	1 1 1				1	-
Ш	S26N5020	Slopeworks Cut(S31A-sn) - Stage 2 (Middle +60mPD)		100%	50 08-Aug-11 A											-
Ш	S26N5030	Slopeworks Cut(S31A-sn) - Stage 3 (Lower +55mPD)		100%	50 24-Oct-11 A	25-Nov-11 A										-
Ш	S26N5040	Remaining Works of S31A	-33	40%	40 27-Jul-13 A	11-Dec-13	-	:	1	Rem	aining Wor	ks of S31A	1 1 1		1 1 1	1
		on of Retaining Wall									 - 				 	1 -
	Retaining V									1	! !		1			-
		Excavate & Construct W59 (w/SP)		100%	286 01-Mar-12 A					1	1 1 1		1	: ! !	1	1
		W59: Base Slab of Bay 1-3		100%	60 01-Mar-12 A			1	!	1	1 1 1 1		: : : :	1 1 1	1 1 1	1
Ш		W59: Wall of Bay 1-3		100%	60 02-Jul-12 A			1		1	1 1 1 1	1 1 1 1 1 1	1 1 1		1 1 1	1
Ш	S26N2006	W59: Base Slab & Wall of Bay 9-12a		100%	56 19-Apr-12 A					<u> </u> 	 				 	<u> </u>
Ш	S26N2008	W59: Excavation + Soil Nail for Bay 4-8		100%	45 19-Apr-12 A						1		1		1	-
Ш	S26N2012	W59: Base Slab of Bay 4-8		100%	40 16-Jul-12 A											
Ш	S26N2014	W59: Wall of Bay 4-8		100%	75 27-Aug-12 A						, 					
Ш	S26N2020	Backfilling		100%	24 23-Apr-12 A	22-Mar-13 A		1		1	1 1 1 1	1 1 1 1 1 1	1 1 1		1 1 1	1
Ш		s, Drainage & Utilities						ļ 		ļ 	! ! !				 	1 -
Ш	S26N4000	Roadworks, Drainages & Utilities (ch3400-3720)	-67	19.08%	92 29-Jul-13 A							Roadworks, Dra	ainagės & Utili	ties (ch3400	-3720)	
Ш	S26N4035	Removal of existing paving	-64	50%	7 29-Jul-13 A	30-Oct-13			1	of existing						
Ш	S26N4055	Road and Drainage Works for Slow and Mid Lane	-64	50%			- 1	1	1	1		s for Slow and	Mid Lane	1	1 1 1 1	1
Ш	S26N4065	Road Surface for Slow and Mid Lane	-64	50%	10 27-Aug-13 A		- 1	:	F	Road Surfac		and Mid Lane	1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
Ш	S26N4075	Road Construction Fast Lane and Remaining Works (along CH3400 - 3720)	-67	0%	50 23-Nov-13	24-Jan-14			_	ļ	<u> </u>	Road Construct	ion Fast Lane	and Remain	ing Works) ذ
Ш		itrol & Survelance System														
Ш		TCSS - (15m High mast M9), (SEC Poles SC24/ S24) & (Gantry 24) (incl. VO73 Revised Sign Gantry	-29	50%	40 08-Jul-13 A	06-Dec-13	i	i	i	TCSS	- (15m Hig -	h mast M9), (SI	EC Poles SC2	24/¦S24) & (G	antry 24)	in
		on of Existing Bridge									1 1 1		1	!	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		on of Existing Bridge 13				1.= .					1 1 1 1		1	1	! ! !	
		VO 27: Temporary access and lighting for inspection on Bridge Deck interior of Existing Bridge 13		100%	10 02-Jan-12 A						; ; 	 	· <u>-</u>		ļ 	1 -
			-87	29.51%	134 22-Jul-13 A	20-Feb-14				1		i i	ruction of Tem	' i '	i	i
	S26N1260	Removal of existing central barrier along B13, Erection breaking platform and re-construction of existi		100%	14 22-Jul-13 A	25-Sep-13 A		¦Hemova ¦	1	!	!	13, Erection bro	Ţ.	!	struction	xf (
Ш	S26N1270	Breaking the existing stitch of B13 and conditional survey	-87	68%	25 27-Jul-13 A	04-Nov-13	- 1	!	1	1		f B13 and cond		1		
	S26N1330	Removal existing M.J, Bridge Jacking and replacement bearing & M.J	-87	53%	35 27-Jul-13 A	23-Nov-13		:	i	1	-	Bridge Jacking	and replacen	nent bearing	& M.J	1
		TTA - Stage 4B-4	-87	0%	0 00 Nov. 40	23-Nov-13			· · · · · · · · · · · · · · · ·	TTA - Stag		Modes to Dia				1 -
	S26N1350	Stitch Works for B13	-87	0%	35 23-Nov-13	07-Jan-14			_	1	Stitch	Works for B13	0	1010:	1	1
	S26N1360	Road Surfacing and Road Diversion	-87	0%	35 07-Jan-14	20-Feb-14				1		₩oad	Surfacing and	Hoad Divers	şion !	
	Landscapir		00	E00/	EO 40 O 40 A	19 Dec 12		:	-	1 -	ndocenia -	Morko (CLIO40	יסטלט)	: 	1 1 1	1
	S26N6040	Landscaping Works (CH3400 - 3720)	-39	50%	50 16-Sep-13 A	10-Dec-13			-	La	liuscaping	Works (CH340	0 - 3/20)	1 1 1		1
	South Bou							ļ								1 -
	Preliminari			4000/	400 00 E 1 40 1	04 4 40 4					, 1 1 1		1		! ! !	1
	S26S0000	Site Clearance/Access Rd (Tai Wo Road)		100%	129 26-Feb-10 A	-		}		1	1 1 1		: : :	: 	1 1 1	1
	S26S10	Site Clearance (Tai Wo Road)		100%	80 26-Feb-10 A		_	:		1 1 1	1 1 1 1	; ; ; ; ;	i 1 1	1 1 1	1 1 1	1
	S26S20	Access Rd (Tai Wo Road)		100%	80 29-Apr-10 A	04-Aug-10 A					1 1 1 1		1	!		1
	Slopework	S					1	1	1	1	! ! !	1 1 1 1	1 1 1	1 1 1	<u> </u>	<u>:</u>

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		2	2013				2014		
•		Float	Complete	Duration		44	45	Q4 46 47	48	Q1 49	50	51	Q2 52	53 5
S26S5000	Slopeworks Fill(S32)	-71	25%	24 18-Feb-13 A	15-Nov-13	77	70	Slopeworks F		73	30	51	32	30
S26S5010	Slopeworks Fill (S32) - Stage 1 (Lower +42mPD)		100%	20 18-Feb-13 A	30-May-13 A	1 (Lower +	+42mPD)		1	1				
S26S5020	Slopeworks Fill (S32) - Stage 2 (Upper +45mPD)	-71	20%	20 08-Jun-13 A	15-Nov-13	1	1	Slopeworks F	ill (S32) - S	Stage 2 (L	pper +45m	PD)	1	
S26S5110	Slope Reinstatement Works (besides LB3)	-13	16.67%	24 04-Mar-13 A	18-Nov-13	- !	1	Slope Reins	tatement V	Norks (bes	des LB3)		1	
S26S5120	Slope Reinstatement Works (besides LB3) - Lower: below +24mPD	-13	70%	20 04-Mar-13 A	01-Nov-13	-	!	Slope Reinstatem	ent Works	(besides l	B3) - Lowe	r: below +	24mPD	
S26S5130	Slope Reinstatement Works (besides LB3) - Upper: above +24mPD	-13	30%	20 27-Aug-13 A	18-Nov-13			Slope Reins	tatement V	Vorks (bes	ides LB3)	Upper: al	ove +24n	nPD
Constructi	ion of Retaining Wall			<u> </u>					1		!		1	
	Wall RWTW1, (CSD 1)													
S26S1289	Pre-drilling for RWTW1 part 1		100%	11 26-May-11 A	08-Jun-11 A				1					
S26S1290	Construct RWTW1N & RWTW1S		100%	325 26-Nov-11 A	25-Sep-13 A		Constru	t RWTW1N & RWTW	1s	1 1 1	1	1	1	
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				1	1			1	
S26S1394	Construction of Structure (part 1, Half of North & South RW)		100%	50 29-Dec-11 A	17-Feb-12 A				1	1	1	1	1	
S26S1395	Backfilling (part 1, Half of North & South RW)		100%	30 18-Feb-12 A	23-Feb-13 A									
S26S1401	ELS Works, Excavation and Protection Existing Gas Main		100%	20 25-Mar-13 A	21-Jun-13 A	on and Prof	tection Ex	isting Gas Main						
S26S1402	-		100%	35 19-Apr-13 A				, Remaining RW)	- 	 	- 			
S26S1403	, ,		100%	15 21-Jun-13 A			1	art 2, Remaining RW)	1 1 1	 	1	! !	1 1 1	
S26S1404			100%	18 15-Aug-13 A	<u>'</u>	1	Roadwo		1 1 1	1 1 1	1 1 1		1	
Retaining '	Wall RWTW2, (CSD 1)			, and the second	'		1 1 1		1 1 1 1	 	!		1	
	Pre-drilling for RWTW2		100%	12 12-Jan-11 A	25-Jan-11 A		1		1	1	1		1	
S26S1380	-		100%	609 26-May-11 A			:Piling/Ex	cavate & Construct RV	.¦ VTW2					
S26S1381	Minipile Piling works, Stage 1 (Half Bay 1)		100%	50 26-May-11 A	· ·									
S26S1382			100%	9 19-Apr-12 A	· ·				1					
S26S1383			100%	58 04-Jun-12 A			1		1 1 1 1	1 1	1	1	1	
S26S1384	Base slab of RWTW2 (stage 1 & 2: half Bay1 & Bay 2-4)		100%	75 26-Nov-11 A	-		1		1 1 1	1	1 1 1		1	
S26S1386			100%	48 12-Nov-12 A										
S26S1520	, , ,		100%	50 18-Feb-13 A		BWTW2 (st	¦ tàne 3∈B	emaining Half Bay 1, C	dnnection:	to LB2)	1			
	Backfilling of RWTW2		100%	20 02-May-13 A			ingo o. re	billianing riali bay 1, 0						
\$26\$1540	Roadworks		100%	20 22-Aug-13 A			Roadwo	rks						
Petaining 1	Wall RWTW3, (VO)		10078	20 22 Aug 10 A	23 GCP 10 A		loadwo		1 1 1	î 1 1	1		1	
S26S1389	Pre-drilling for RWTW3		100%	12 28-Dec-10 A	11- lan-11 A				· 					
S26S1390			100%	708 01-Aug-11 A			 Diling/Ex	xcavate & Construct R\	WTW3	 	!		1	
S26S1590	<u> </u>		100%	24 01-Aug-11 A	·	-	i IIIIg/L/	cavate & Constituct Th		1	1		1	
S26S1591			100%	24 28-Dec-11 A	-				1					
S26S1592 S26S1593			100%	20 03-Jul-12 A					1 1	: ! !	1		1 1 1	
S26S1593 S26S1596			100%	60 20-Aug-12 A					. 				ļ	
\$26\$1530 \$26\$1540 Retaining \$26\$1389 \$26\$1389 \$26\$1390 \$26\$1591 \$26\$1592 \$26\$1593 \$26\$1596 \$26\$1598 \$26\$1600 \$26\$1600 \$26\$1604 \$26\$1606 \$26\$1608 Retaining \$26\$1614 \$26\$1628 \$26\$1638 \$26\$1638	, , ,		100%	60 20-Aug-12 A		_	1 1 1		1 1 1	 	1	! !	1 1 1	
S26S1598 S26S1600			100%						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	1		1	
\$26\$1600 \$26\$1602			100%	25 22-Jan-13 A 40 13-Apr-13 A		 ∌ (Bay 1 -B	 		1	! ! !			1	
S26S1602 S26S1604			100%	40 13-Apr-13 A 40 12-Nov-12 A		(Day 1 - B	ραy /) 		1	! !	1		: : : :	
\$26\$1604 \$26\$1606		195		20 19-Jun-13 A			- <u>-</u>	VO 51.1: Remaining	a Bookfill b	alow I Bo		¦	ļ	
\$2651606	-	195					VO 51.1		y nockilii b	Jeiow Lb3	1	1	1	
Date in in a	VO 51.1: Roadworks Wall RWTW3A		100%	30 26-Jun-13 A	20-0ep-10 A		v 0 31.1	Roadworks	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	1		1	
Retaining			1000/	100 01 Oct 10 A	05 Con 10 A		Conotmi	tion of DWTW 2A	1 1 1 1	 	1		1	
02001014	Construction of RWTW 3A		100%	168 01-Oct-12 A	-		Constru	ction of RWTW 3A	1				; ; ;	
52551528	ELS works RWTW3A		100%	32 01-Oct-12 A					; 		; 	<u> </u>	<u>-</u>	
S26S1638			100%	25 16-Nov-12 A					1 1 1 1	: ! !	1 1 1		1 1 1	
			100%	70 26-Nov-12 A	·		1 1 1		1 1 1	 	1	:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
S26S1658	Backfill RWTW 3A		100%	20 06-May-13 A	15-Jun-13 A	1	-		1	1 1	!	1	1	

2	n	

	20							0.10						
tivity ID	Activity Name	Total Activity % Float Complete	Original Duration		Finish		2	013 Q4			Q1	2014	Q2	
S26S1668	Roadworks				25-Sep-13 A	44	45 Poodwo	46	47	48	49	50	51 52	53
		100%	30	26-Jun-13 A	25-Sep-13 A		Roadwo	K\$						
Retaining v	Vall W60 & W61A (CSD 2)	1000/	7	00 May 11 A	24-Jun-11 A			 	-	 			i 	
S26S2020 S26S2030	Pre-drilling for W60 & W61A Mini Piles for W60 & W61A	100%			20-Aug-11 A		1 1 1	 					1	1
52652030					20-Aug-11 A 25-Aug-12 A		1	1					1	1
	Excavation Construct Cap & Wall	100%		·	-		1							
S26S2050 S26S2060	Backfilling	100%			31-Aug-12 A		; ; ;	1			į		1	i !
		100%	30	04-Sep-12 A	10-Apr-13 A			 	-	 			i 	
	Bridge bet. RWTW2 & RWTW1	1000/	0	07 Con 10 A			1	 						!
	TTA Stage 5	100%	U	27-Sep-12 A			1	1					1	1
	Onstruction Works, Roadworks, Drainage & Utilities	1000/	CO	10 Feb 10 A	21-Jun-13 A	O I Itilitios	// andina	batwa an Di	10A 9 D1E	A within Clie	200 2700	,,		
S26S4000	Roadworks, Drainages & Utilities (Landing between B13A & B15A within CH 3600 - 3720) Removal of existing paving of landing area	100%		18-Feb-13 A		Si& Offices	; (Landing	Detween B	3A & DI3/	A within CH 3	3000 - 37 ₁ 20	')	1	
S26S4002	Road Works	100%			·	-	 - -	 	-				 	
S26S4005		100%			31-May-13 A		1	 					1	1
S26S4006	Drainages Works Peed Surface Works (incl. VO14: Pavised Layout of Palice Observation Platform at CU2700.)	100%			30-May-13 A	(in al. 1/O1/	L Davisos	Love et of D	la line Ober	n cation Diotf	orm at C) 10	700 \	1 1 1	1
S26S4010	Road Surface Works (incl. VO14: Revised Layout of Police Observation Platform at CH3700)	100%	10	01-Jun-13 A	21-Jun-13 A	(inci. VO12	+; Revised	Layout of P	Police Obse	ervation Platfo	orm at CH3	3700)	1	!
	ers & Road Barriers				_									
Noise Barri	Construct Noise Barrier & Beam Barrier, NB35	100%	CO	15 May 10 A	18-Jun-13 A	r'& Beam I	 	 					 	
	· ·						1	335						1 1 1
	Construct Noise Barrier : foundation Works. NB35	100%			11-May-13 A	Works. N	;	audona 9 Day	n al NIDOE				1	1
S26S3020	Construct Noise Barrier : Installation of H-coulmn & Panel NB35	100%		-	18-Jun-13 A	ir i installat	ion or n-o	oulmn & Par	1	-f NIDOE				
	Remaining Works of NB35	-71 80%	10	27-Aug-13 A	28-Oct-13			■ ; Remainii ¦	ng Works o	DI NB35	į		1	
S26S4800	trol & Survelance System TCSS	1000/	F7	10 May 10 A	10 Aug 10 A				-					
		100%			10-Aug-13 A		TOCC C	 	WOLC Da	I- DEE)				1
S26S4810	TCSS - Stage 1 (LB1) (VSLS Pole P55)	100%			21-Sep-13 A		į	aģe 1 (LB1)	(VSLS Po	le P55)				1
S26S4820	TCSS - Stage 1 (LB2)	100%			20-Aug-13 A	TCSS - Sta	·	[]) (70 D		D - 1 - 11-)	1	
S26S4830	TCSS - Stage 1 (LB3), (Gantry G101) (incl. VO73 Revised Sign Gantry Details)	100%	30	10-Jun-13 A	10-Aug-13 A	S - Stage	1¦(LB3), (C	antry G101	i) (inci. vo	73 Revised S	sign Gantry	Details);		
Landscapir		74 007	20	40 Nov. 40	00 1- 44				į					
S26S6000	Landscaping Works	-71 0%		16-Nov-13	28-Jan-14		1		<u> </u>	-	Landscapin	-		1
S26S6010	Landscaping Works - Stage 1, East of B13A	-71 0%		16-Nov-13	20-Dec-13		1			_andscaping \	i	i i	i	1
S26S6040	Landscaping Works - Stage 2, West of B13A	-71 0%	30	21-Dec-13	28-Jan-14		! ! !	1	_		Landscapin	ig Works - S	tage 2, West	DI BI3A
Middle Lai														
	onstruction Works, Roadworks & Drainage				T				<u></u>					
S26S4014	Removal of existing paving (CH3400 - CH3720)	-56 0%		05-Nov-13	03-Dec-13		1 1 1	1	Remov	al of existing		i	1	;
S26S4019	Road Works and Surface Works (CH3400 - 3720)	-56 0%	30	04-Dec-13	10-Jan-14		! ! !	1 1 1		Road \	Works and	Surface	rks (CH3400 -	3/20)
<u></u>	on of Bridge 12B			,			1	1			!		1 1 1	1
S22S1310	Construction of Bridge 12B	100%	367	15-Apr-10 A	20-Jul-13 A	n of Bridge	12B							
Preparato	ry and Enabling Works						i -						i 	
S22S1210	Prepare Piling Platform	100%			31-May-10 A		 	 			!		1	1 1 1 1
S22S1220	Pre-drilling Works	100%	26	15-Apr-10 A	15-May-10 A		!				!		1	!
	ion Works of Bridge 12B						; ; ;							
S22S1230	Socketed H-Pile (B12BP8)	100%			13-Aug-10 A		í 1 1							i 1 1
S22S1250	Modify Pile caps & Additional Foundation (B12BP8)	100%		02-Jul-10 A			 	 			; ! !		; ; ;	
	Excavation & ELS Works	100%	36	02-Jul-10 A	12-Aug-10 A		1						1	1
S22S1251	VO 171, Modify Dilegge of Bridge 10, Diev E. C. 9, 7 (Deleted)	100%	48	18-May-12 A	28-May-12 A		 	 					1	1 1 1
S22S1251 S22S1260	VO 17.1: Modify Pilecap of Bridge 12, Pier 5, 6 & 7 (Deleted)						1	1 1	1	- i - i -	1		1	1
	VO 17.1: Modify Pilecap of Bridge 12, Pier 8 (Deleted) VO 17.1: Modify Pilecap of Bridge 12, Pier 8 (Deleted)	100%	48	18-May-12 A	28-May-12 A		1							
S22S1260		100%		-	28-May-12 A 20-Aug-11 A				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1	

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		2	013				2014		
,		Float	Complete	Duration		44	45	Q4 46 47	48	Q1 49	50	51	Q2 52	53 5
S22S1340	VO 17.2: Pilecap construction of C9		100%	60 06-Mar-12 A	02-Jun-12 A		73	40 41	1	13	30	<u> </u>	J2	33
S22S1350	VO 17.2: Pilecap construction of C10		100%	54 01-Jun-12 A	21-Aug-12 A				1	 		! ! !	! ! ! !	
S22S1400	VO 17.2: Backfilling & Site Formation		100%	24 11-May-12 A	05-Jan-13 A				1	1				1
S22S1410	VO 17.2: Pier Construction of C9 & C10		100%	94 01-Jun-12 A	20-Sep-12 A				1 1 1	 	i ! !	! !		1
S22S1420	VO 17.2: Pier Construction of C9		100%	60 01-Jun-12 A	31-Jul-12 A				1 1 1	1 1 1		1 1 1 1	1 1 1 1 1 1	
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					1				
S22S1450	VO 17.2: Deck Construction (Bearings, Drainage & MJ inculded)		100%	179 20-Dec-12 A	20-Jul-13 A	e¢k Constri	: uction (Be	anngs, Drainage & MJ	inculded)					
S22S1460	VO 17.2: Scaffolding & Falsework		100%	35 20-Dec-12 A	28-Mar-13 A				1					
S22S1470	VO 17.2: Deck Formwork, Steel Fixing and Concreting - C9 - C10 (Stage 1)		100%	65 14-Mar-13 A	12-Jul-13 A	k Formwork	, Steel Fix	ring and Concreting - (; 0,9 - C10 (S	tage 1)	1	1 1 1	1 1 1 1 1 1	i ! !
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	k Formwork	, Steel Fi	ring and Concreting - N	NA to C9 (S	tage 2)	}	¦ ¦	{	<u>-</u>
S22S1500	Stressing		100%	5 15-Jul-13 A	20-Jul-13 A				1	1	1		1 1	
S22S1520	Parapet (Steel Barrier)	-79	90%	15 15-Aug-13 A	28-Oct-13	- 1	1	Parapet (Steel Barr	ier)	1	1	! ! !	1 1	
S22S1540	Road surface & road work	-79	0%	14 28-Oct-13	13-Nov-13			Road surface	k road wo	k				
Construct	tion of Bridge 12A								1	 				
S24S1280	Construction of Bridge 12A (incl. VO29 & VO37: revised piling details and pile caps sleeving details)		100%	451 25-Aug-10 A	14-Sep-13 A	Co	nstruction	of Bridge 12A (incl. V	D29 & VO3	7: revised	piling deta	ils and pile	caps sleevi	ing detaille
	ory and Enabling Works		100/0	10 1 20 1 10g 10 11	33p									
S24N1210	Site Clearance		100%	42 25-Aug-10 A	14-Oct-10 A				1	1				
S24N1220	Haul Road		100%	42 25-Aug-10 A										
S24N1230	Gas main Diversion, HKCG		100%	55 25-Aug-10 A					1 1 1	1 1 1	i !	! !	1 1 1 1	
S24N1240	11 KV Cable Diversion		100%	55 25-Aug-10 A	· ·				<u> </u> 	-!		! !		<u>1</u> 1
S24N1250	Telephone Cable Diversion		100%	55 25-Aug-10 A					1 1 1	1 1 1	!	1 1 1 1	1 1 1 1 1 1	
			10076	35 25 Aug 10 A	50 OCT 10 A				1	1 1 1	1		1 1	1
	ture and Pier Construction								1	 		! ! !	1 1	
South Abu	Piling-South Abutment		100%	29 15-Oct-10 A	10 lon 11 A									
S24N1260	Preparing piling platform		100%	18 15-Oct-10 A						<u>-</u>	ļ			·
S24N1261 S24N1262			100%	18 15-Oct-10 A					1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i ! !	! !	1 1 1 1 1 1	i ! !
	Pre-drilling								1 1 1	1 1 1	!	1 1 1 1	1 1 1 1 1 1	1 1 1
S24N1263	Piling (21nos)		100%	43 27-Nov-10 A 35 04-May-11 A					1 1 1 1	1		! ! !	1 1 1 1 1 1	1 1 1
S24N1310	Excavation & Cap-South Abutment		100%						1	1	!	1	1 1	
\$24N1263 \$24N1310 \$24N1360 Pier 1 \$24N1270 \$24N1320 \$24N1370 Pier 2 \$24N1280 \$24N1330	Pier & backfill, South Abutment		100%	36 27-Jun-11 A	17-Aug-11 A						<u></u>			
Pier 1	Diene Dienet (45ma)		1000/	00 00 May 11 A	07 Amu 11 A									į
S24N1270	Piling-Pier 1 (15nos)		100%	30 02-Mar-11 A	·		1		1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! !	1 1 1	1 1 1 1 1 1	!
S24N1320	Cap-Pier 1 & Backfill		100%	36 23-May-11 A					1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1	 	
S24N1370	Pier 1 (Pierhead included)		100%	96 26-Sep-11 A	17-Dec-11 A				1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1			!
Pier 2	Diese Diese O (45mas)		1000/	00 00 Aug 10 A	15 Can 10 A						<u></u>			
S24N1280	Piling-Pier 2 (15nos)		100%	38 02-Aug-10 A	·				1	1				i !
	Cap-Pier 2 & Backfill		100%	38 20-Nov-10 A					1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i ! !	! !	1 1 1 1 1 1	
S24N1380	Pier 2 (Pierhead included)		100%	96 14-Apr-11 A	12-Aug-11 A				1 1 1 1	1		 		1 1 1
Pier 3	Direct Direct (45 cm)		4000/	00 40 5 5 44 4	07 Ann 44 A				1 1 1 1	1		! ! !	1 1 1 1 1 1	1
S24N1290	Piling-Pier 3 (15nos)		100%	38 16-Feb-11 A	·		-}							
S24N1340	Cap-Pier 3 & Backfill		100%	32 26-May-11 A						1				
S24N1390	Pier 3 (pierhead included)		100%	96 11-Jul-11 A	02-Nov-11 A									
North Abu				0.1 00.1	00.1				1 1 1	1 1 1 1		 		1
S24N1300	Pre-drilling & Preparation for Piling (incl. VO 39: Revised Foundation for North Abutment)		100%	24 26-May-11 A			!		1 1 1	1 1 1	1	1 1 1		; ; ;
S24N1302	ELS for North abutment		100%	75 19-Jan-12 A					 	¦ 		¦ ¦	<u> </u>	·
S24N1350 S24N1400	Cap-North Abutment		100%	25 08-Nov-12 A 75 21-Nov-12 A		& backfill,			1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1		1
	Abutment, Drainage & backfill, North Abutment		100%											1

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tivity ID	Activity Name	Total	Activity %	Original	Start	Finish		2	013				20	014		
uvity ib	Activity Name	Float	Complete	Duration	Start	i illisii			Q4	47	40	Q1			Q2	1 50
Decking au	nd Finishing						44	45	46	47	48	49	50	51	52	53
S24N1410	Deck-South Abutment to Pier 1		100%	62	07-Dec-11 A	26-Apr-12 A										
S24N1420	Deck-Pier 1 to Pier 2		100%			30-Aug-12 A	-	1	:		 	1 1 1		1		1 1 1
S24N1430	Deck-Pier 2 to Pier 3		100%			22-Dec-12 A	+									
S24N1434	Erection of Falsework		100%			22-Jan-13 A	-				1	!				
S24N1440	Deck-Pier 3 to North Abutment		100%			30-Apr-13 A	-	1				1		1		
S24N1444	Dismantling of Falsework	-17	95%		14-May-13 A	·	_ :	!	 Diemantl	ing of False	work	1		1		1
S24N1450	Parapet (icl, precast concrete skin)	17	100%		18-Feb-13 A		e¢ast cond	rete skin)	Bismanii		WORK					
S24N1450 S24N1457	Erecting Railing (Short Column and barrier)		100%			14-Sep-13 A	11	1 '	ling (Short C	olumn and	harrior)					
					_	-		1	17.	1	1					
S24N1463	Noise Barrier (Erecting H-Column and Panel)		100%			14-Sep-13 A	_ :	!	r (Erecting H	i-Column a	iu Pariei)					
S24N1470	Road Lighting		100%		-	14-Sep-13 A	_ :	oad Lightir	19							
S24N1480	Surfacing		100%			11-Sep-13 A	_	rfacing				1		1		
S24N1490	Inspection and Handover of Bridge 12A		100%	3	12-Sep-13 A	14-Sep-13 A	U In	spection a	nd Handove	r of Bridge	12A					
Constructi	on of Bridge LB2							1	:		1 1 1	1 1 1		1		1 1 1
S26S1200	Construction of Bridge LB2 (incl. VO29 & 37: revised piling details and pile caps sleeving details)		100%	641	16-Apr-11 A	25-Sep-13 A	:	Constru	tion of Brid	e LB2 (incl	. VO29 & 37	: revised p	ling detai	Is and pile	caps slee	ėving deta
Preparator	ry and Enabling Works										 	1 1 1				1 1 1
S26S1205	Gas main Diversion at East Abutment (No Connection)		100%	15	24-Jan-13 A	28-Feb-13 A					 					1
S26S1215	Temporary Traffic Arrangement for Piling Work		100%	75	28-Dec-11 A	04-Jun-12 A		1				 		1		1 1 1
Substructu	ure and Pier Construction															
TW4								1				1		1		1 1 1
S26S1203	Excavation and lateral support		100%	20	05-Mar-12 A	30-Jun-12 A		1				1				1
S26S1204	Coring and backfill for Piling works		100%	75	02-Jul-12 A	28-Jul-12 A						1				
S26S1212	Piling-TW4 (20)		100%	49	30-Jul-12 A	17-Oct-12 A	1									
S26S1217	Pile Load Test (1 Tension & 2 compression)		100%	25	31-Oct-12 A	22-Nov-12 A	 									
S26S1222	Cap-TW4 & Backfill		100%			05-Feb-13 A	-									
S26S1225	Pier-TW4 Pier		100%			16-Mar-13 A	-									
TW5							- 1	1				i i i		1		1
S26S1206	Els, coring and backfill for Piling works		100%	30	19lun-12 A	12-Oct-12 A	- :	1	-		 	1 1 1		1		1 1 1
S26S1210	Piling-TW5 (20)		100%			21-Dec-12 A										
S26S1210	Cap-TW5 & Backfill		100%			22-Feb-13 A	- :				1					
S26S1227	Pier-TW5 Pier		100%			05-Mar-13 A	- :	1				1		1		1
			10078		20 1 00 10 A	00 IVIAI 10 A		1				1		1		1
East Abutm S26S1214	Piling-East Abutment, Stage 1		1000/	36	16-Apr 11 A	30-Jun-11 A					1 1 1	1		1		1
S26S1214 S26S1218	Piling-East Abutment, Stage 1 Piling-East Abutment, (stage 2, 6 nos. piles remain)		100%			08-Nov-12 A										
S26S1218 S26S1219	Pile Load Test (1 compression)		100%			11-Dec-12 A	-	1			 	1				1
	Excavation & Pilecap (Delay by gasmain)						-	!			; ; ;					1
S26S1224	, , , , ,		100%			27-Mar-13 A	-	1			i 1 1 1	1		1		1 1 1
S26S1234	East Abutment		100%			29-Apr-13 A	_				1 1 1	1				1
S26S1254	Backfilling		100%	14	04-Jun-13 A	10-Jun-13 A	<u> </u>									
West Abutn			40001		00 N 11 1	00.0-1.10.1					1 1 1	1				
S26S1202	Els, coring & backfill for Piling works		100%			08-Oct-12 A	_				1 1 1	1				
S26S1216	Piling-West Abutment (28)		100%			30-Nov-12 A	1				1 1 1 1	1 1 1				1
S26S1226	Excavation & Pilecap		100%			01-Feb-13 A					 	1				
S26S1236	West Abutment		100%			10-Apr-13 A	1.									;
S26S1256	Backfilling		100%	14	29-Apr-13 A	07-Aug-13 A	filling				 	1				
Decking ar	nd Finishing										1	1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S26S1238	Bridge Decking (Bearings, Drainage & MJ inculded)		100%	84	18-Mar-13 A	25-Sep-13 A	_ :	-	e¢king (Bea	rings, Drair	nage & MJ in	culded)				1
S26S1240	Falsework Erection of Deck - West Abutment to TW4		100%	4.4	18-Mar-13 A	00 0 0 0	tment to T	- 14/	1	, ;	i	i				1

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Activity Name	Total	Activity %	Original Start	Finish		2	013					2014		
	Float		Duration		144		Q4	47	ΛΩ	Q1	50	51	Q2	53
Bridge Deck - West Abutment to TW4		100%	48 20-Apr-13 A	08-Jun-13 A			40	41	40	43	30	31	32	33
Falsework Dismantling of deck - West Abutment to TW4		100%	10 10-Jul-13 A	24-Aug-13 A	Falsework	Dismant	ing of deck - V	Vest Abu	tment to T	W4				
Falsework Erection of Deck - TW4 to TW5		100%	14 18-Mar-13 A	30-Apr-13 A	W ₅					1				
Bridge Deck - TW4 to TW5		100%	48 24-Apr-13 A	19-Jun-13 A	TW5		i i i i		1	 	1 1 1	1	1	1
Falsework Dismantling of deck - TW4 to TW5		100%	10 10-Jul-13 A	24-Aug-13 A	Falsework	Dismant	ing of deck - T	W4 to T	W5	1 1 1	1 1 1	1		1
Falsework Erection of Deck - TW5 to East Abutment		100%	14 08-May-13 A	29-May-13 A	TW5 to Ea	st Abutm	ent		! ! !	 	1	1		1
Bridge Deck - TW5 to East Abutment		100%	48 15-May-13 A	06-Jul-13 A	W5 to East	Abutmen	t				. 			
Falsework Dismantling of deck - TW5 to East Abutment		100%	10 10-Jul-13 A	24-Aug-13 A	Falsework	; Dismant	ing of deck - T	W5 to E	¦ ast Abutme	ent				
Parapet (icl, precast concrete skin)		100%	25 08-Jul-13 A	25-Sep-13 A		Parapet	(icl, precast co	ncrete s	ķin)	 	1	1	1	1
Road Lighting		100%	5 27-Aug-13 A	14-Sep-13 A	Ro	ad Lightir	g		1 1 1	1 1 1	1 1 1	1		1
Surfacing		100%	10 16-Sep-13 A	25-Sep-13 A		Surfacin	g		!	1 1 1	1	1		
Handover Inspection of LB2 (TTA Stage 11)		100%	158 18-Mar-13 A	25-Sep-13 A	-;	Handove	r Inspection o	f LB2 (T	A Stage 1	1)				
ion of Bridge LB3									: : :	! !				
		100%	267 26-Feb-11 A	02-Oct-13 A	1	: <mark>≟</mark> Const	ruction of Bridg	ge LB3(i	¦ ncl. excava	tion & ba	; ¢kfill) (incl.	; VO29 & V	O37)	!
								,	1	1		1		
Piling for East Abutment		100%	60 26-Feb-11 A	14-May-11 A					1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1	1	1
·				-		-								
-		100%							1	1	1	1	1	1
Construction of East/West Abutment Structure		100%			- !				1 1 1	1 1 1	1 1 1	1		!
und Finishina									!		1			
		100%	257 19-Apr-12 A	24-Nov-12 A						1				
		100%	<u>'</u>						i 	<u> </u> 		i 	i 	
Construction of Deck		100%	· ·	-					! !	1 1 1	1 1 1	1		
Falsework dismantling of Deck		100%							 	 				
-		100%			, precast co	; oncrete sl	in)		!		1			
, i i i i i i i i i i i i i i i i i i i		100%			I i	1				1				
-		100%	7 27-Aug-13 A	21-Sep-13 A		nstalling	M⊹Barrier ¦		i 					
-		100%		· .		-	1 :		!	1 1 1	1	1		
Handover Inspection of LB3		100%				1		of LB3	!	1	1			
ion of Bridge I B1	J								1	 	1 1 1	1	1	1
		100%	643 03-May-10 A	02-Oct-13 A		¦ ☐ Const	ruction of Bride	ge LB1 (i	hd. VO29	& VO37: ı	evised pilir	na details	¦ and pile ca	ps sleevi
			,											
		100%	75 03-May-10 A	06-Aug-10 A					; ; ;					
		100%	60 03-May-10 A	14-Jul-10 A					!	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		
					- !				 	1 1 1	1	1		
Access Road		100%	75 03-May-10 A	31-Jul-10 A						1				
Access Road - Stage 1 (LB1-North Abutment)		100%							; 			į		
<u>'</u>		100%	•						1 1 1	1 1 1	1 1 1	1	1	1
		100%	-						! ! !	1 1 1	1	1		
SA25 - Access Road (TW1 & TW2)		100%							, 1 1 1	, 1 1 1	, 1 1	, 1 1 1	1	1
VO 31: Fencing for Former Lot 1308 S.B in D.D.6		100%							: 	1 1 1	: 1 1	1	1	1
ture and Pier Construction						- 								·
tment									! ! !		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	1
Piling-North Abutment		100%	51 01-Jun-10 A	31-Jul-10 A					1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1	1	1
Excavation & Cap-North Abutment		100%							: !	1	1	1		1
·						1			1	1 1 1	1	1	1 1 1	
Pier & backfill, North Abutment		100%	56 26-Jan-11 A	04-Apr-11 A		i	i i		i	i	i	i	1	
ti	Falsework Dismantling of deck - West Abutment to TW4 Falsework Erection of Deck - TW4 to TW5 Bridge Deck - TW4 to TW5 Falsework Erection of Deck - TW4 to TW5 Falsework Erection of Deck - TW5 to East Abutment Bridge Deck - TW5 to East Abutment Bridge Deck - TW5 to East Abutment Falsework Dismantling of deck - TW5 to East Abutment Parapet (icl, precast concrete skin) Road Lighting Surfacing Handover Inspection of LB2 (TTA Stage 11) For of Bridge LB3 Construction of Bridge LB3 (incl. excavation & backfill) (incl. VO29 & VO37) False Abutment Piling for West Abutment ELS & Excavation for East & West Abutment Construction of East Abutment ELS & Excavation for East & West Abutment Construction of East Abutment Structure Ind Finishing Bridge Deck (Bearings, Drainage & MJ included) Falsework and Scaffolding Construction of Deck Parapet (icl, precast concrete skin) Erecting of Short Column Installing M-Barrier Surfacing Handover Inspection of LB3 On of Bridge LB1 Construction of Bridge LB1 (incl. VO29 & VO37: revised piling details and pile caps sleeving detaills) ry and Enabling Works Site Clearance Site Clearance Site Clearance Site Clearance Site Clearance - Stage 1 (LB1-North Abutment) Access Road - Stage 2 (LB1-TW3) Access Road - Stage 2 (LB1-TW3) SA25-Site Clearance (TW1 & TW2) SA25- Access Road (TW1 & TW2) SA25- Access Road (TW1 & TW2) Filing-North Abutment Piling-North Abutment	Bridge Deck - West Abutment to TW4 Falsework Dismantling of deck - West Abutment to TW4 Falsework Dismantling of deck - TW4 to TW5 Bridge Deck - TW4 to TW5 Falsework Erection of Deck - TW4 to TW5 Falsework Erection of Deck - TW5 to East Abutment Bridge Deck - TW6 to East Abutment Bridge Deck - TW6 to East Abutment Falsework Dismantling of deck - TW5 to East Abutment Parapet (ici, precast concrete skin) Road Lighting Surfacing Handover Inspection of LB2 (TTA Stage 11) On of Bridge LB3 Construction of Bridge LB3 (incl. excavation & backfill) (incl. VO29 & VO37) UNDER Abutment Piling for East Abutment Piling for East Abutment Construction of Bridge LB3 (incl. excavation & backfill) (incl. VO29 & VO37) UNDER Abutment Piling for West Abutment Construction of East/West Abutment Structure Ind Finishing Bridge Deck (Bearings, Drainage & MJ included) Falsework and Scaffolding Construction of Deck Falsework dismantling of Deck Parapet (ici, precast concrete skin) Erecting of Short Column Installing Marrier Surfacing Handover Inspection of LB3 On of Bridge LB1 Construction of Bridge LB1 (incl. VO29 & VO37; revised piling details and pile caps sleeving details) Ty and Enabling Works Site Clearance - Stage 2 (LB1-North Abutment) Accass Road - Stage 2 (LB1-North Abutment) Accass Road - Stage 2 (LB1-TW3) Accass Road - Stage 2 (LB1-TW3) Accass Road - Stage 2 (LB1-TW3) Accass Road Former Lot 1308 S.B in D.D.6 UND ABUTE - STATE	Bridge Deck - West Abutment to TW4	Bridge DeckWest Abutment to TW4 100% 40 20-Apr-13 A Falsework Distribution of Control of DeckTW4 to TW5 100% 10 10-Jul-13 A Falsework Exection of DeckTW4 to TW5 100% 14 18-Man-13 A Falsework Distribution of DeckTW4 to TW5 100% 48 24-Apr-13 A Falsework Distribution of DeckTW4 to TW5 100% 10 10-Jul-13 A Falsework Distribution of DeckTW4 to East Abutment 100% 10 10-Jul-13 A Falsework Distribution of DeckTW5 to East Abutment 100% 10 10-Jul-13 A Falsework Distribution of DeckTW5 to East Abutment 100% 10 10-Jul-13 A Falsework Distribution of DeckTW5 to East Abutment 100% 20 30-Jul-13 A Falsework Distribution of DeckTW5 to East Abutment 100% 20 30-Jul-13 A Falsework Distribution of East State	Float Competing Duraistico Duraistic	Float Complete Durainon Price Durainon Price Pri	Stop Discs - West Abuthment to TIV4	Flood Computed C	Place Plac	Private Complete Compacing Comp	Page Company	Page Deck Page Deck Page Deck Page Deck Page Deck Page Deck Page Deck Page Deck Page Deck	Prof. Complete C	

S26S1422 Piling-TW3 S26S1432 Cap & Backfill - TW3 S26S1442 Pier-TW3 (Pierhead included) TW1		Total Float	Activity % Complete	Original Start Duration	Finish	44	45	013 Q4		Q1		2014	Q2	- Ie
S26S1432							47	46	47	48 49	50	51	52	53 5
S26S1442 Pier-TW3 (Pierhead included) TW1 S26S1460 Piling-TW1 S26S1470 Cap & Backfill - TW1			100%	54 28-Dec-10 A	21-Mar-11 A		10		**	-0 -10		J.	-	
TW1 S26S1460 Piling-TW1 S26S1470 Cap & Backfill - TW1			100%	45 26-May-11 A	19-Jul-11 A		i 1 1			! !	1			
S26S1460 Piling-TW1 S26S1470 Cap & Backfill - TW1			100%	75 08-Aug-11 A	17-Dec-11 A					1 1 1	1		 	
S26S1470 Cap & Backfill - TW1			J	<u> </u>	,					 	1			
			100%	70 21-Oct-10 A	11-Nov-10 A					· · · · · · · ·				
S26S1480 Pier-TW1 (Pierhead included)			100%	36 27-Jan-11 A	19-Feb-11 A					; ;				
			100%	75 23-May-11 A	08-Jul-11 A					1 1 1	1			!
TW2				,	'					1 1 1				
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					; ! !	1			i 1 1
Decking and Finishing										! ! !	1		!	
S26S560 Decking (Bearings, Drainage	MJ included) (incl. VO 45: Details Drainage Arrangement of LB1 & B1		100%	199 27-Jul-11 A	12-Jul-12 A					1 1 1	1			1
S26S570 Balanced Cantilever at TW1			100%	63 27-Jul-11 A	12-Oct-11 A					1	1			1
S26S580 Preparing of Travelling Form			100%	18 27-Jul-11 A	17-Aug-11 A									
S26S590 Construction of Cantiliver Dec	s, 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			1		1 1 1	1 1 1		!	1
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 Dec	s, 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			1		; ! !	1			1
S26S670 Balanced Cantilever at TW3 8	Stitching (TW2-TW3)		100%	52 28-Dec-11 A	19-Apr-12 A					1 1 1	1		1	
S26S680 Preparing of Travelling Form			100%	12 28-Dec-11 A	11-Jan-12 A					 				
S26S690 Construction of Cantiliver Dec	s, 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							 		i
S26S720 North End Span			100%	50 18-May-12 A	12-Jul-12 A					! ! !	1		!	
S26S740 Parapet (icl, precast concrete	kin)		100%	52 05-Nov-12 A	21-Sep-13 A	:	Parapet (cl, precast c	oncrete skin)	1 1 1	1			1
S26S750 Erecting of Precast Parapet			100%	32 05-Nov-12 A	27-Aug-13 A	Erecting	of Precas	t Parapet						
S26S760 Installing M-Barrier			100%	6 15-Aug-13 A	21-Sep-13 A		Installing	M-Barrier						
S26S770 Noise Barrier			100%	6 15-Aug-13 A	07-Sep-13 A	Nois	e Barrier					ii	- -	-
S26S780 Surfacing			100%	7 16-Sep-13 A	25-Sep-13 A		Surfacin	g		! ! !			! ! !	
S26S790 Road Lighting			100%	7 27-Aug-13 A	14-Sep-13 A	Ro	oad Lightir	g		1 1 1			!	
S26S800 Handover Inspection of LB1			100%	1 02-Oct-13 A	02-Oct-13 A		l Hando	ver Inspecti	on of LB1					
Construction of Bridge 13A								1		i 1 1	1			1
S26S1300 Construction of Bridge 13A (in	d. VO29 & VO37: revised piling details and pile caps sleeving detaills)		100%	744 03-May-10 A	22-Jun-13 A	e 13A (inc	I. VO29 &	VΦ37: revise	ed piling detail	and pile caps	sleeving de	taills)		1
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		1 1 1			; ; ; ;	1			1
S26S1620 Gas main Diversion at North/S	buth Abutment, HKCG		100%	37 01-Jun-10 A	15-Jul-10 A		1 1 1			1 1 1 1	1			1 1 1
S26S1690 SA25-Site Clearance			100%	25 26-Feb-11 A	26-Mar-11 A	1:	-						- -	
S26S1700 SA25 Haul Road			100%	25 26-Feb-11 A	26-Mar-11 A		1			1 1 1				
S26S1710 SA25-Gas Main diversion at S	outh Abutment & P1		100%	25 26-Feb-11 A	26-Mar-11 A		i 1 1			, 1 1				
Substructure and Pier Construc	ion				<u>, </u>		1 1 1			; ; ; ;	1			1
North Abutment							1 1 1			1 1 1 1	1			1
S26S1630 Piling-North Abutment			100%	65 16-Jul-10 A	30-Sep-10 A		 				- 	 		<u>-</u>
S26S1631 Pre-drilling & Preparing of pilir	g platform		100%	20 16-Jul-10 A			1			! ! !				
S26S1632 Piling			100%	45 09-Aug-10 A	30-Nov-10 A		i 1 1			, 1 1				
			1	I	1	<u> Li</u>	1		·	i	1		i	<u>i</u>

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		2	013				2	2014		
y		Float	Complete	Duration		44	45	Q4 46	47	48	Q1 49	50		Q2 52	53 54
S26S1650	Excavation & Cap-Nouth Abutment		100%	50 04-Jan-11 A	04-Apr-11 A	44	45	40	4/	40	49	30	51	32	<u> </u>
S26S1670	Construction of Abutment-Nouth Abutment		100%	50 27-Oct-11 A	17-Dec-11 A				: ! !	! !	1 1	 			,
S26S1930	Backfill Stage 1, North Abutment		100%	24 01-Mar-12 A	14-Apr-12 A			!	-i			 			
S26S1940	Backfill Stage 2, North Abutment		100%	60 15-Oct-12 A	24-Apr-13 A		! ! !	-	1		1	1 1 1 1			
South Abuti	ment			,			!		1			1 1 1			
S26S1720	Piling-South Abutment		100%	90 02-Dec-10 A	23-Mar-11 A										
S26S1721	Pre-drilling & Preparing of piling platform		100%	30 20-Aug-10 A	20-Sep-10 A		1 1 1	 	1	!	1 1 1	1 1 1 1		! !	1 1 1 1
S26S1722	Piling		100%	60 10-Jan-11 A	17-Mar-11 A			!	1						
S26S1750	Excavation & Cap-South Abutment		100%	40 26-May-11 A	14-Jul-11 A		!	!				1 1 1			
S26S1780	Abutment, South Abutment		100%	38 26-Oct-11 A	17-Dec-11 A							! !			
S26S1950	Backfill Stage 1, South Abutment		100%	24 01-Mar-12 A	04-Jul-12 A		1 1 1	1	1		1	1 1 1 1		, , ,	1 1 1 1
S26S1960	Backfill Stage 2, South Abutment		100%	43 19-Nov-12 A	25-Feb-13 A		! ! !	-	1			1 1 1 1			
S26S1970	COD: 13ASA 18 days additional Drainage works (if RFI can be replied before 4-12-2012)		100%	18 01-Apr-13 A	19-Apr-13 A	vorks (if RI	FI can be r	eplied befor	ė 4-12-201	2)		F			
P1			,												
S26S1730	Piling-P1		100%	20 18-Oct-10 A	30-Nov-10 A							, 			
S26S1760	Cap & Backfill - P1		100%	33 26-May-11 A	30-Jun-11 A		1 1 1	1	1		1	1 1 1 1		, , ,	1 1 1 1
S26S1790	Pier-P1		100%	75 26-Jul-11 A	24-Oct-11 A		! ! !	-	1			1 1 1 1			
S26S1820	Pier-P1 Pierhead		100%	48 14-Feb-12 A	19-Apr-12 A			!				+			
P2															
S26S1740	Piling-P2		100%	35 28-Mar-11 A	16-Apr-11 A		i ! !	i !	1			1 1 1		i	
S26S1770	Cap & Backfill - P2		100%	38 26-May-11 A	11-Jul-11 A		! ! !	-	1		1	1 1 1 1			
S26S1800	Pier-P2		100%	75 26-Oct-11 A	27-Jan-12 A		1		1			1		1	1
S26S1910	Pier-P2 Pierhead		100%	53 01-Aug-12 A	12-Oct-12 A			!	!	!					
P3								į	1			! !		į	
S26S1640	Piling-P3		100%	50 26-Feb-11 A	19-Mar-11 A		1 1 1	!	1		1	1 1 1 1		!	1 1 1
S26S1660	Cap & Backfill -P3		100%	50 26-May-11 A	30-Jul-11 A		!	-	1			1 1 1 1			
S26S1680	Pier-P3		100%	96 26-Sep-11 A	20-Jan-12 A				<u>.</u>						
S26S1920	Pier-P3 Pierhead		100%	48 19-Apr-12 A	31-Jul-12 A		i ! !	i ! !	1		1	1 1 1		i]
Decking ar	nd Finishing						! ! !	-	1		1	1 1 1 1			
S26S1808	Decking (Bearings, drainage & MJ included) (incl. VO 45: Details of Drainage Arrangement of LB1 &		100%	110 01-Jun-12 A	01-Mar-13 A	etails of Dr	ain age Arr	angement o	f LB1 & B1	3A)		! ! !			
S26S1810	Balanced Cantilever deck at P1		100%	0 01-Jun-12 A	20-Jul-12 A							, , , ,			
S26S1811	Preparing of Travelling Form		100%	12 01-Jun-12 A	25-Sep-12 A		i !		i ! !	i ! !	 	; ; ; L	i 		; ; ;
S26S1812	Construction of Cantiliver Deck at P1		100%	55 15-Jun-12 A			1	-	1		1	1 1 1 1			
	South End Span (South abutment-P1)		100%	197 13-Aug-12 A			1 1			1	1 1 1 1	1 1 1 1		! !	. I
	South End Span		100%	50 13-Aug-12 A					, 1 1	1 1 1) 	; ; ; ;		 	, I
S26S1830	Balanced Cantilever deck at P2 & Stitching (P1-P2)		100%	78 19-Nov-12 A			; ; ; ;		1	1 1 1	1 1 1 1	 			
S26S1831	Preparing of Travelling Form		100%	12 19-Nov-12 A			! ! !	 - -	 - -	 - -	! ! !	1 	, , ,		; ; ; ;
S26S1832	Balanced Cantilever deck at P2		100%	50 10-Dec-12 A						1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1			
S26S1833	Stitching (P1-P2)		100%	18 11-Jan-13 A			! ! !		1	1	1	! !			
S26S1840	Balanced Cantilever deck at P3 & Stitching (P2-P3)		100%	73 20-Aug-12 A					: : : :	1 1 1	, 1 1 1	 			, , , , , , , , , , , , , , , , , , ,
S26S1841	Preparing of Travelling Form		100%	12 20-Aug-12 A	· ·		1 1 1	 	1 1	1 1 1	1 1 1	1 1 1			
S26S1842	Balanced Cantilever deck at P3		100%	43 06-Sep-12 A						 - -	 	 - 			
S26S1843	Stitching (P2-P3)		100%	18 15-Jan-13 A			1		1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1		;	
	North End Span & Stitching (Nouth Abutment-P3)		100%	96 29-Oct-12 A			1 1 1		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1 1 1		! !	
S26S1851	End Spans for B13A		100%	29 29-Oct-12 A					: : : :	1 1 1	, 1 1 1	 			, , , , , , , , , , , , , , , , , , ,
S26S1852	Post Tentioning Works		100%	18 18-Feb-13 A			1 1 1	-	1 1 1	1 1 1	1 1 1	1 1 1			
S26S1860	Parapet (icl, precast concrete skin) Erection of Short Column and Barrier		100%	24 19-Mar-13 A	-	skin)			ļ 	ļ -		! ! !	! !		
S26S1863			100%		15-Jun-13 A	nn and Bar	-1	1	1	1	1	ı		!	1

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		2013					2014		
		Float	Complete	Duration		44 45	Q4 46		48	Q1 49	50	51	Q2 52	53 5
S26S1873	Noise Barrier (Erection of H-Column and Panel)		100%	12 03-May-13 A	11-Jun-13 A	f H-Column and Pa	L -		1.0	.0		<u> </u>	<u> </u>	00 0
S26S1875	Lighting		100%	12 25-May-13 A	11-Jun-13 A				1	1 1 1	1 1 1 1			1 1 1
S26S1880	Surfacing		100%	12 25-May-13 A	21-Jun-13 A					1 1 1	1 1 1 1			1 1 1
S26S1900	Handover Inspection of Bridge 13A		100%	3 21-Jun-13 A	22-Jun-13 A	of Bridge 13A			1	1	1 1 1	1		1
Ready Fo	or Pre-Handover Retaining Wall of Section 2						1-1				<u>-</u>			
HRW0020	Ready For Pre-Handover Retaining Wall W56A, W56B, W57A, W57B, W57C, W59 and RWB12A(N)	0	0%	7 26-Oct-13	02-Nov-13		Rea	ady For Pre-H	andover Re	taining W	all W56A, \	W56B, W5	7A, W57B, W	N57C, W55
HRW0021	Ready For Pre-Handover Retaining Wall W58, W60, W61A, RWTW1, RWTW2, RWTW3, RWTW3a	0	0%	7 26-Oct-13	02-Nov-13		Rea	ady For Pre-H	aĥdover Re	taining W	all W58, W	60, W61A	RWTW1, R	₹WTW2, R
Section 3										1	1 1 1			1
Site Area	SA26A									1	1 1 1 1			
PHSA26A2	Possession of SA26A (Day0)		100%	0 26-Feb-10 A							; r			
SA26A000	Site Area SA26A Works Period	-45	91.44%	1215 26-Feb-10 A	06-Feb-14			1	-	; Site /	¦ krea SA26/	¦ A Works P	eriod	1 1 1
SA26A010	Site Area SA26A Works Completion	-45	0%	0	06-Feb-14				1	♦ Site	¦ ∖rea SA26/	¦ A Works C	ompletion	
SA26A020	Temporary Traffic Arrangement (Detail shall refer to supplementary information)	-33	91.56%	983 26-Feb-10 A	06-Feb-14					i	i	i	ment (Detail	l shall refer
SA26A030	Overall Utilities Diversion (Detail shall refer to supplementary information)	-33	91.56%	983 26-Feb-10 A	06-Feb-14					1	1	1	Detail shall r	1
North Bo											; 		`.	
Prelimina										1 1 1	1 1 1 1			1 1 1
S26AN000			100%	75 26-Feb-10 A	18-Jun-10 A			!	1 1 1	1	1 1 1			1
S26AN010	Site Clearance		100%	60 26-Feb-10 A							! ! !			
S26AN020			100%	60 07-Apr-10 A	<u> </u>						, 1 1			
Slopewor									; 	 	; + !	i 		
S26AN502			100%	48 26-Apr-12 A	03-Jul-12 A					1 1 1	1 1 1 1			-
S26AN506			100%	168 19-Jun-10 A					1	1	1 1 1	1		1
S26AN508			100%	11 19-Jun-10 A						1	! ! !			
S26AN510			100%	11 19-Jul-10 A						1	1 1 1			1
S26AN514	, , , , , , , , , , , , , , , , , , , ,		100%	14 19-Aug-10 A	-				 	 	1 	 	 	
S26AN516			100%	14 21-Nov-10 A	·			!	1	1	1 1 1 1			1
S26AN518	, , , , , , , , , , , , , , , , , , , ,		100%	17 18-Aug-10 A						1	! ! !			
S26AN520			100%	17 27-Dec-10 A							, 1 1 1			
S26AN522	Slopeworks Cut(S40) - Stage 4 (Cut Slope and Erect Scaffolding)		100%	12 28-Jan-11 A	15-Feb-11 A			1	1 1 1 1	1 1 1	1 1 1 1	1		1
S26AN524	Slopeworks Cut(S40) - Stage 4 (Soil Nail Installation : EFGH)		100%	12 02-Feb-11 A	19-Feb-11 A						1 			
S26AN525			100%	15 29-Oct-11 A	16-Nov-11 A					1	! ! !			
S26AN526			100%	18 16-Nov-11 A	07-Dec-11 A						, 1 1 1			
S26AN528	Removal of Existing Retaining Wall		100%	30 11-Apr-11 A	20-May-11 A			1	1 1 1	1 1 1	1 1 1 1	 		1 1 1
S26AN530			100%	138 19-Jun-10 A	02-Dec-10 A					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1			1 1 1
S26AN531			100%	11 19-Jun-10 A		<u> </u>	1				, 			
S26AN532	Cut Slope (S41-sn) - Stage 1 (Soil Nail Installation : MNOPQ)		100%	11 19-Jul-10 A	13-Aug-10 A				1	i 1 1	 			
S26AN533	Cut Slope (S41-sn) - Stage 2 (Cut Slope and Erect Scaffolding)		100%	26 23-Aug-10 A	17-Sep-10 A			:	1 1 1 1	1 1 1 1	1 1 1 1	1		
S26AN534	Cut Slope (S41-sn) - Stage 2 (Soil Nail Installation : IJKL)		100%	26 28-Dec-10 A	27-Jan-11 A					1	 			1 1 1
S26AN535	Cut Slope (S41-sn) - Stage 3 (Cut Slope and Erect Scaffolding)		100%	20 20-Sep-10 A	27-Nov-10 A					1 1 1	; ; ; ;			1 1 1
S26AN536	Cut Slope (S41-sn) - Stage 3 (Soil Nail Installation : EFGH)		100%	19 30-May-11 A	22-Jun-11 A	<u> </u>								
S26AN537	Cut Slope (S41-sn) - Stage 4 (Cut Slope and Erect Scaffolding)		100%	12 26-Oct-11 A	08-Nov-11 A				1 1 1	1 1 1	 	1		; ; ;
S26AN538	Cut Slope (S41-sn) - Stage 4 (Soil Nail Installation : ABCD)		100%	12 03-Dec-12 A	14-Jan-13 A			-	1	1 1 1 1	1 1 1 1			1 1 1
S26AN540	Slope 7NW-B/C 349		100%	75 02-Oct-10 A	25-Nov-10 A					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! !			1 1 1
\$26AN520 \$26AN522 \$26AN524 \$26AN526 \$26AN526 \$26AN530 \$26AN531 \$26AN532 \$26AN533 \$26AN535 \$26AN536 \$26AN536 \$26AN537 \$26AN537 \$26AN538 \$26AN538 \$26AN542 \$26AN540 \$26AN541 \$26AN542	Erect Scaffolding & Soil Nail Installation (7NW-B/C 349) - Stage 1 (EF) 52nos.		100%	15 02-Oct-10 A	19-Oct-10 A					1 1 1	; ; ; ;			1 1 1
S26AN542	Erect Scaffolding & Soil Nail Installation (7NW-B/C 349) - Stage 2 (ABCD) 270nos.		100%	72 20-Oct-10 A	25-Nov-10 A	<u> </u>	- -			-	, 			
S26AN550	Slope 7NW-A/C35-sn		100%	200 01-Sep-10 A	20-Nov-10 A				1	1 1 1	1 1 1	1		; ; ;
S26AN560	Erect Scaffolding & Soil Nail Installation (7NW-A/C35-sn) - Stage 1 (OP) 25nos.		100%	10 01-Sep-10 A	11 Con 10 A		11	1	1	1	1 1	1		: ! !

tivity ID	Activity Name	Total	Activity %	Original Start	Finish		20	013				2	014		
	,	Float		Duration		144		Q4	1 47	40	Q1			Q2 52	FO
S26AN570	Erect Scaffolding & Soil Nail Installation (7NW-A/C35-sn) - Stage 2 (KLMN) 285nos.		100%	40 13-Sep-10 A	19-Oct-10 A	44	45	46	47	48	49	50	51	52	53
S26AN580	Erect Scaffolding & Soil Nail Installation (7NW-A/C35-sn) - Stage 3 (GHIJ) 370nos.		100%	57 30-Sep-10 A	19-Oct-10 A		1			1					1
S26AN590	Erect Scaffolding & Soil Nail Installation (7NW-A/C35-sn) - Stage 4 (CDEF) 407nos.		100%	62 20-Oct-10 A	19-Nov-10 A	<u> </u>									
S26AN650	Erect Scaffolding & Soil Nail Installation (7NW-A/C35-sn) - Stage 5 (AB) 204nos.		100%	31 01-Nov-10 A	20-Nov-10 A										
S26AN660	Slope 7NW-A/CR39		100%	80 22-Nov-10 A	28-Mar-11 A		1 1 1	1		1 1 1	1	1			1
S26AN670	Erect Scaffolding & Soil Nail Installation (7NW-A/CR39) - Stage 1 (JK) 28nos.		100%	10 22-Nov-10 A			1 1 1	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 				1 1 1
S26AN680	Erect Scaffolding & Soil Nail Installation (7NW-A/CR39) - Stage 2 (DEFGHI) 162nos.		100%	40 16-Dec-10 A			! ! !			 					
S26AN690	Erect Scaffolding & Soil Nail Installation (7NW-A/CR39) - Stage 3 (ABC) 109nos.		100%	30 22-Feb-11 A			1	<u> </u>	j				-		1
S26AN930	Erect Scaffolding & Soil Nail Installation (Area 6-1)	42	90%	75 20-Feb-13 A	04-Nov-13	-		Erect :	Scaffolding	& Soil Nail	Installatio	n (Area 6-)		1 1 1
	on of Retaining Wall						1	1		1					1
	Wall W65C (w/SP)	İ			1		1			1		1			!
	Sheet Pile/Excavate & Construct W65C (w/SP)		100%	150 27-Jun-11 A											
	Sheet Pile and Excavation		100%	24 27-Jun-11 A			1	1		1 1 1	1 1 1 1	1			1
	Construction of Structure W65C		100%	72 27-Jun-11 A		_	1 1 1	1		1	1 1 1				1 1 1
	Backfilling		100%	24 27-Jun-11 A	25-Jul-11 A					1					1
Retaining \				00 15 11 11	40.1.1.2.1					1	1 1 1 1				1
	Sheet Pile/Excavate & Construct W68 (w/SP)		100%	99 15-Nov-10 A			 		-	<u>.</u>	 - 				 -
	Sheet Pile and Excavation		100%	19 15-Nov-10 A			! !	i 		1 1 1	1	1			1
	Construction of Structure W68		100%	75 26-Aug-11 A		_	1 1 1	1		1	1 1 1				1 1 1
	Backfilling		100%	54 01-Jun-12 A	16-Jul-12 A		! ! !	1		1					1
	Wall W69 on Mini-Piles (AD 3)														
	Prepare Piling Platform for W69		100%	24 21-Sep-10 A					ļ						
	Pre-drilling for W69		100%	24 10-Sep-10 A		_	! ! !	1		1 1 1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1
	Pipe Pile for W69		100%	77 20-Oct-10 A			1	1		1	1				1 1 1
	Pipe Pile for W69 - Stage 1 (south)		100%	38 20-Oct-10 A											
	Pipe Pile for W69 - Stage 2 (north)		100%	26 20-Nov-10 A		_									
	Excavate and Tension Piles W69		100%	110 26-Mar-11 A	-	<u> </u>	! L				 				- -
	Excavation and Installation of Tension Piles - Stage 1 (south)		100%	55 26-Mar-11 A		_	 	1		1 1 1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1
	Excavation and Installation of Tension Piles - Stage 2 (north)		100%	55 13-Jun-11 A			1	1		1					1
S26AN152			100%	120 26-Aug-11 A		_				1					
	Construction of Structure W69		100%	75 26-Aug-11 A							1				1
	Drainage		100%	40 06-Feb-12 A			 			 	 - 	<u> </u>	 	 	
	Backfilling		100%	75 01-Jun-12 A	16-Jul-12 A		1 1 1	1		1 1 1 1	 	1			1 1 1
Retaining \			1000/	105 00 Dec 10 A	45 May 40 A		! !			1	1	1			
	Sheet Pile/Excavate & Construct W70 (w/SP)		100%	165 03-Dec-10 A											
	Sheet Pile and Excavation		100%	18 03-Dec-10 A			1 1 1	1		1 1 1 1	1	1			1
	Construction of Structure W70 (w/SP)		100%	75 18-Jul-11 A			 			 		 			
	Drainage & Backfilling	0.1	100%	54 18-Feb-13 A		ing :		Deeletiii:	 	\ \\CO += \\\\\\\) 0				1
	Backfilling behind W68 to W70 and drainage works	21		60 18-Mar-13 A		_		J; Backfillir	Ť.	1	1	nage works			
	Erect Scaffolding & Soil Nail Installation	21	25%	35 04-Oct-13 A	29-INOV-13			i	rect Sc	anoiding &	SUII INAII	Installation			1
	Wall W72A (w/SP) Short Bila/Everyate & Construct W72A (w/SP)		1000/	00 00 0-+ 10 4	21 Nov 11 A		: :	1		1 1 1 1 1	1 1 1	1			1 1 1
	Sheet Pile/Excavate & Construct W72A (w/SP)		100%	92 30-Oct-10 A			: 		-			!			
	Sheet Pile and Excavation		100%	34 30-Oct-10 A		_				1					
	Construction of Structure W72A (w/SP)		100%	46 03-Jan-11 A		-				1	! !				, 1 1
	Draiage & Backfilling		100%	68 01-Jun-11 A	ZI-INUV-IIA		1			: ! !	 	1			1
I —	Construction Works, Roadworks & Drainage		4000/	45 00 1- 40 4	05 h.l. 10 A					1 1 1 1	i 1 1	1			1 1 1
S26AN430	Slip Road R (From W72A to W73) Stage 1 (incl. VO 36: Slip Road R & Drainage detail.)		100%	15 30-Jan-12 A						<u>.</u>	 - 				<u> </u>
S26AN431	Slip Road R (From W70 to B18A) Stage 1.1 formation		100%	15 26-May-12 A	13-Jun-12 A		1	1	1	1 1 1	1	1 1 1			1

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		2	2013			2	014		
, 12		Float	Complete	Duration	,	44	45	Q4 46 47	48	Q1 49	50	(Q2 52	53
S26AN432	Slip Road R (From W70 to B18A) Stage 1.1 Drainage & utilities		100%	15 14-Jun-12 A	03-Jul-12 A	77	70		70	73	30		-	- 00
S26AN433	Slip Road R (From W70 to B18A) Stage 1.1 pavement & roadworks		100%	15 04-Jul-12 A	26-Jul-12 A		1			 	1		!	
S26AN435	Slip Road R (From W70 to B18A) Stage 2		100%	93 18-May-12 A	14-Sep-13 A	Slip	Road R	(From W70 to B18A)	Stage 2	1 1 1			1	
S26AN436	Slip Road R (From W70 to B18A) Stage 2, formation (Remaining)		100%	30 18-May-12 A	06-Aug-13 A	load R (Fro	m W70 t	o B18A) Stage 2, forn	nation (Rem	aining)			1	
S26AN437	Slip Road R (From W70 to B18A) Stage 2, Drainage & utilities (Remaining)		100%	30 27-Jun-12 A	14-Sep-13 A	Slip	Road R	(From W70 to B18A)	Stage 2, Dr	rainage & ı	utilities (Ren	naining)		
S26AN438	Slip Road R (From W70 to B18A) Stage 2, pavement & roadworks (Remaining)		100%	50 14-Jul-12 A	14-Sep-13 A	Slip	Road R	(From W70 to B18A)	Stage 2, pa	evement &	roadworks	(Remaining)		
S26AN447	Construction Slip Road J (Under Bridge 15A)	-8	5%	45 27-Aug-13 A	04-Jan-14	1	1	1 1	Const	ruction Slip	Road J (U	nder Bridge 15	A)	
S26AN448	Construction Slip Road Q (At W65C)	-10	0%	45 13-Nov-13	07-Jan-14		1		Cons	struction SI	ip Road Q (At W65C)	1	
S26AN451	Road and Drainage Works (CH 3720 - 4550)	-33	50.67%	168 24-Jun-13 A	06-Feb-14		!			Road	and Draina	ge Works (CH	I 3720 -	4550)
S26AN452	Removal of existing central barrier and forming temporary road (CH3720-4100)		100%	12 24-Jun-13 A	20-Jul-13 A	existing ce	entral barr	er and forming temp	orary road (CH3720-4	100)			
S26AN4525	TTA - Stage 4B-2		100%	0	21-Jul-13 A	e 4B-2				i 1 1	1			
S26AN453	Road and Drainage Works for Slow and Mid Lane (CH3720 - 3850)	-33	40%	20 08-Jul-13 A	08-Nov-13	1	1	Road and Dra	inage Work	s for Slow	and Mid La	ne (CH3720 - 3	3850)	
S26AN454	Road Surface Works for Slow and Mid Lane (CH3720 - 3850)	-33	0%	10 09-Nov-13	20-Nov-13		1	Road Sur	fa¢e Works	for Slow a	d Mid Lan	e (CH3720 - 38	350)	
S26AN455	Removal of existing central barrier (CH4100-4550)		100%	8 26-Jul-13 A	09-Aug-13 A	oval of exis	sting cent	ral barrier (CH4100-4	550)	1 1 1	1		1	
S26AN456	Road Works for Fast and Mid Lane (CH3850 - CH4550)	-28	50%	20 10-Aug-13 A	06-Nov-13			Road Works fo	r Fast and N	Mid Lane (¢Н3850 - С	H4550)		
S26AN457	Road Surface Works for Fast and Mid Lane (CH3850 - 4550)	-28	50%	10 27-Aug-13 A	12-Nov-13			Road Surfac	e Works for	Fast and I	viid Lane (C	H3850 - 4550))	
S26AN458	Road Works for Fast Lane (CH3720 - 3850)	-33	0%	20 21-Nov-13	13-Dec-13			R	oad Works f	or Fast La	ne (CH3720	0 - 3850)		
S26AN459	Road Surface Works for Fast Lane (CH3720 - 3850)	-33	0%	10 14-Dec-13	27-Dec-13			_	Road Su	rface Worl	s for Fast I	ane (CH3720	- 3850)	
S26AN460	Road and Drainage Works for Slow Lane (CH4250 - 4550)	-28	10%	35 05-Oct-13 A	19-Dec-13				Road and D	rainage W	orks for Slo	w Lane (CH42	50 - 455	50)
S26AN461	Road Surface Works for Slow Lane (CH4250 - 4550)	-33	0%	10 28-Dec-13	09-Jan-14				Roa	d Surface	Works for S	low Lane (CH4	1250 - 4	550)
S26AN462	Road Construction and Remaining Works (along CH 3720 - 4550)	-33	40%	35 05-Oct-13 A	06-Feb-14				-	Road	Constructi	on and Remain	ning Wo	rks (alon
S26AN470	Road and Drainage Works (CH 4550 - 4720)	-38	0%	88 26-Oct-13	12-Feb-14					- Ro	dand Dra	nage Works (C	CH 4550	ı - 4720)
S26AN471	Road and Drainage Works for Fast Lane (CH 4550 - 4720)	-38	0%	35 26-Oct-13	05-Dec-13			Road	d and Draina	age Works	for Fast La	ne (CH 4550 -	4720)	
S26AN472	Road Surface Works for Fast Lane (CH4550 - 4720)	-38	0%	8 06-Dec-13	14-Dec-13							(CH4550 - 472	20)	
S26AN482	Road Construction and Remaining Works (along CH 4550 - 4720)	-38	0%	45 16-Dec-13	12-Feb-14	<u></u>						tion and Rema	aining W	/orks (ald
Traffic Cor	ntrol & Survelance System			<u> </u>							1			
S26AN480	TCSS (G25, G26, G27, G28 & SEC Poles SC58/S58) (incl. VO73 Revised Sign Gantry Details)	13	50%	50 15-Jun-13 A	07-Dec-13	-	1	TCS	(G25, G2	6, G27, G2	8 & SEC P	les SC58/S58)	(incl. V	O73 Rev
Modification	on of Existing Bridge			,			1 1 1		!	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1	
S26AN200	Modification of Existing Bridge 15	-2	50.29%	104 24-Jun-13 A	27-Dec-13	1	1	1 1	■ Modificat	tion of Exis	ing Bridge	15	1	
S26AN230	Demolish of Central Barrier		100%	12 24-Jun-13 A	04-Oct-13 A		Demo	olish of Central Barrie	r ¦					
S26AN240	Raising of Concrete Edge for N/B (CH3800 -3900)	11	95%	15 09-Sep-13 A	26-Oct-13		:	Raising of Concret	e Edge for N	V/B (CH38	00 -3900)			
S26AN250	Removal existing M.J and install new M.J for Slow and Mid Lane (S/B)	11	80%	8 02-Aug-13 A	29-Oct-13			Removal existing	MJ and ins	tall 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)	-2	10%	25 09-Sep-13 A	09-Dec-13		1	Rai	sing of Con	crete Edge	for S/B (CI	H3800 - 4020)	and N/B	(CH390
S26AN270	Removal existing M.J and install new M.J for Fast Lane (S/B and N/B)	-2	60%	10 04-Oct-13 A	13-Dec-13				emoval exist	ting M.J ar	d install ne	w M.J for Fast	Lane (S	/B and N
S26AN280	Removal existing M.J and install new M.J for Slow and Mid Lane (N/B)	-2	50%	20 09-Sep-13 A	27-Dec-13				Removal	existing M	J and insta	all new M.J for	Slow an	d Mid La
Landscapi	ng			l l						1	1		1	
S26AN610	Landscaping Works	38	60%	29 15-Mar-13 A	08-Nov-13	-	<u>'</u>	Landscaping \	Norks					
South Bo	und				<u> </u>		1 1 1		!	 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		; ; ;	
Preliminari	ies						1 1 1			!			1	
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		1		!	1 1 1	1		1	
S26AS020	Access Road		100%	75 31-May-10 A	14-Sep-10 A									
Slopework	(S													
S26AS510	Slope Reinstatement Works (Bridge 15A)	-15	31.58%	95 08-Aug-13 A	13-Jan-14				Slo	pe Reinst	tement Wo	rks (Bridge 15	A)	
S26AS515	Backfilling Slope	-15		30 08-Aug-13 A			- 	Backfilling S	i					
S26AS520	Soil Nail Installation	-15		50 27-Aug-13 A		1	!		; Soil Nail Ir	nstallation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	
S26AS540	Slope Surface Treatment	-15		15 24-Dec-13	13-Jan-14				:	1	† Treatmen	t		
				1		1 1	1	 1 	1	-1	1	1	1	

Activity	ID	Activity Name	Total	Activity %	Original Start	Finish		20						2014		
			Float	Complete	Duration		44	45	Q4 46	47	48	Q1 49	50	51	Q2 52	53
	Retaining W	Vall W65A						10	1		1 70	1-1-0	00	0.		
	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			i !							
	S27S1002	Construction of Structure W65A		100%	50 11-Apr-11 A	13-Aug-11 A										
	S27S1012	Backfilling behind W65A and drainage works	15	50%	40 15-Jul-13 A	05-Dec-13			i	Back	fil ing behin	d W65A a	nd draina	age works	1	
	Retaining W	Vall W65B, (CSD 1)							1			1			1	1
	S27S1040	WSD 1220 dia Diversion		100%	36 26-Jul-11 A	17-Dec-12 A							- F			-
	S27S1041	HyD Lighting relocation		100%	36 26-May-11 A	18-Jun-11 A			1				1	!		1
	S27S1042	Excavate to cut-off level		100%	42 15-Oct-10 A				1 1 1				 	1		1
	S27S1043	COD: CLP overhead cable		100%	75 15-Jan-11 A				1				 		1	1
	S27S1044	Relocaltion of Existing Electric Poles, CLP		100%	24 15-Feb-11 A				1			!			1	1
	S27S1060	Capping/Walling for W65B		100%	42 06-Apr-11 A	<u>'</u>										
	S27S1070	Backfilling for W65A & B		100%	75 10-Sep-11 A	-										
	S27S1090	COD: DAN 273- revised thrust box detail and additional works for DN1220		100%	30 17-Dec-12 A											
		Backfilling behind W65B and drainage works	23	70%	40 15-Jul-13 A				<u> </u>	l Backfilli	ng behind V	V65B and	drainage	worke		
			23	70/0	40 15-301-13 A	20-1107-13				Backilli		VOSB and	di ali lage	WOIKS		
Ш		Onstruction Works, Roadworks, Drainage & Utilities	E	00.700/	200 14 Feb 10 A	17 Dec 12					Roadworks,	Droine	0 1+:1:+:	- ACLI 400) 1.4500)	
Ш	S26AS400	Roadworks, Drainages & Utilities (CH 4020 - 4500)	5	88.73%	399 14-Feb-12 A		- :		1 1	- '	Hoadworks,	Dramages	S & Utilitie	S (CH 402	J - 4500)	1 1 1
Ш	S26AS410	Roadworks, Drainages & Utilities Stage 1 (ch4020-ch4200 & Tai Po Tai Wo Road)		100%	110 14-Feb-12 A				1 1 1		1	1 1 1	1	1	1	1 1 1
	S26AS411	Removal of existing paving		100%	25 14-Feb-12 A				1 1 1			1 1 1	1	1	1	1 1 1
	S26AS412	Utilities		100%	75 14-Feb-12 A				1				1			1
Ш_	S26AS416	Drainages		100%	75 27-Jun-12 A											
	S26AS418	Road Surface & Roadmark - Stage 1		100%	5 14-Jul-12 A				1		!	1	 	1	1	1
	S26AS420	Roadworks, Drainages & Utilities Stage 2(ch4200-ch4500)		100%	737 14-Feb-12 A	·			1			1			1	1
	S26AS422	Removal of existing paving		100%	50 14-Feb-12 A							!			1	
	S26AS424	Utilities		100%	75 14-Feb-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	ch 4020-ch 42		1	1 '		1			1	
	S26AS440	Road Construction and Remaining Works (along CH4020 - 4500)		100%	75 28-Jan-13 A	20-Jul-13 A	truction and	Remainir	nģ Works (along CH	40 20 - 4500))	1	1	1 1 1	1 1 1 1
	S27S4090	HyD/Lighting (Existing Street Light removal by HyD Lightings		100%	52 26-May-11 A	25-Jun-11 A			1 1 1			 	1	1		1 1 1
	S27S4100	Slip Road K (utilities & drainage), Stage 1 (excl. WSD connection)		100%	75 14-Feb-12 A	19-Apr-12 A			1				 			1
	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)	5	10%	50 04-Oct-13 A	17-Dec-13			1	-	Slip Road S	(utilities, o	drainage	& roadwork)	1
Ш	S27S4160	TTA Stage 0		100%	0 07-Oct-12 A				!							
Ш	Noise Barri	ers & Road Barriers			,	'										
Ш	Noise Barri	ier NB36 & NB37														
	S26AS300	Construct Noise Barrier & Beam Barrier, NB36 & NB37		100%	255 28-Dec-11 A	05-Jul-12 A				·-j						
	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									1	
	S26AS330	Remaining NB36 installation of panel		100%	7 25-May-13 A	15-Jun-13 A	ation of pane	el	1 1 1		1	1 1 1	1	1	1	1 1 1
	Traffic Cont	trol & Survelance System				<u> </u>			1 1 1	1 1 1		1 1 1	 	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	S26AS480	TCSS (ch3720 - ch4820)		100%	56 30-Nov-12 A	15-Jul-13 A	20 - ch4820)									
	S26AS481	TCSS - Stage 1 (ch3720 - ch3900)		100%	24 11-Mar-13 A				1 1 1	1 1 1		1 1 1	1 1 1	1		1
	S26AS482	TCSS - Stage 2 (ch3900 - ch4080)		100%	24 19-Apr-13 A	·	ch4080)		1			1 1 1		1		1
	S26AS483	TCSS - Stage 3 (ch4080 - ch4260), (Gantry G59) (incl. VO73 Revised Sign Gantry Details)		100%	24 22-Jan-13 A		ch4260), (G	antry G59) 9) (incl. V∩	;)73 Revise	ed ^l Sian Gar	ntry Details	s)	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	S26AS484	TCSS - Stage 4 (ch4260 - ch4440), (Gantry G58) (incl. VO73 Revised Sign Gantry Details)		100%	24 30-Nov-12 A		Details)	,					1			1
	S26AS485	TCSS - Stage 5 (ch4440 - ch4620)	50	60%	24 24-Dec-12 A					S!- Stane I	5 (ch4440 -	ch4620)				
	S26AS486	TCSS - Stage 6 (ch4620 - ch4820), (Gantry G57) (incl. VO73 Revised Sign Gantry Details)	30	100%	24 07-Jan-13 A		e 6 (ch4620	- ch4820	1	1)	1	¦ Gantry D	etalile)		1
	J20A0400	1.000 Gray o (GITOZO), (Gariny GOT) (IIIG. VOTO NEVISED SIGN Gariny Details)		100 /0	24 01-Jail- 13 A	10 00F10 A	5.0 (014020)	0.14020	/ (Garilly	457) (IIICI.	. VOIS NEV	Jeu Sigil	- and y D	<u> </u>	<u> </u>	<u> </u>

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Activity ID	Activity Name	Total Float	Activity % Complete	Original Duration	Start	Finish			013 Q4		Q1		2014 Q2	
North & C	outh Bound						44	45	46	47	48 49	50	51 52	53 54
								!	1		1			
Slopworks S26ANS50	Slopeworks & Reinforced Earth Wall Bridge 18A		100%	72	26-Feb-11 A	27-May-11 A								
	on of Bridge 18A		10076	12	20100117	Zi Way II A							<u> </u>	
S26AN94	COD: DAN 327 DN800/ 400 - Additional pipeline and thrust blocks	39	85%	75	06-Aug-12 A	08-Nov-13	- 1	1	COD	- ΠΔΝ 327 ΠΝΒ	00/400 - Addi	ional ninelin	e and thrust block	e !
S26ANS10	Construct East & West Abutment of Bridge 18A		100%			19-Aug-11 A	- i	į			Addi	 		
S26ANS10	Construct East Abutment (RE Wall part 1) & Bearing (Bridge 18A)		100%			14-May-11 A			1		 			
S26ANS14	Construction West Abutment (RE Wall part 1) & Bearing (Bridge 18A)		100%			19-Aug-11 A	-		1		1			
S26ANS15	Construction East RE Wall (part 2)		100%		19-Aug-11 A	-							ļ	
	" · '						_							
S26ANS16	Construction West RE Wall (part 2)		100%		19-Aug-11 A		-				; ! !			
S26ANS18	Bridge 18A Decking and Watermain Diversion		100%		19-Jul-11 A		-		1		i I			
S26ANS60	Erecting Temporary Bridge Support		100%		24-Jun-11 A		_	-	 		i 1 1			
S26ANS70	Construction of Deck		100%			07-Jan-12 A		ļ		ļ			ļ	
S26ANS80	Construct remaining RE wall (East & West) (incl. VO 21, VO38 and VO79)		100%		15-Dec-11 A				38 and VO7					
S26ANS82	Drainage, Utilities & Watermain Installation (incl.VO 53:Concrete Plinths for PCCW Cable Ducts & V		100%			15-Jun-13 A	atermain Ins	stallation (incl.VO 53:0	Concrete Plinth	s for PCCW C	able Ducts &	VO 78 CLP CT D	etails)
S26ANS90	Road Surfacing		100%			19-Jun-13 A		-	1 1 1		!			
S26ANS92	TTA Stage 1		100%	0	22-Jun-13 A				 		 			
	s, Drainage & Utilities									<u> </u>	 		<u> </u>	
S26ANS42	Diversion of water mains at existing bridge 18		100%	25	20-Feb-13 A	30-Jul-13 A	n of water	mains at	existing bride	ge 18	 	1		
Demolition	of Existing Bridge 18													
S26ANS30	Demolition of Existing Bridge 18		100%	30	24-Jun-13 A	30-Jul-13 A	on of Exist	ing Bridge	18					
Site Area	SA27										; ! !			
PHSA2720	Possession of SA27		100%	0	26-Mar-10 A			1	1 1 1		i 1 1	1		i i i i i i i i i i i i i i i i i i i
SA270000	Site Area SA27 Works Period	-18	93.56%	1187	26-Mar-10 A	10-Jan-14	1	1	1	1 1	Site Area SA	27 Works Pe	riod	1 1
SA270010	Site Area SA27 Works Completion	-18	0%	0		10-Jan-14		-	1	•	Site Area SA	27 Works Co	pmpletion	
SA270020	Temporary Traffic Arrangement (Detail shall refer to supplementary information)	-13	93.48%	959	26-Mar-10 A	10-Jan-14		1			Temporary T	raffic Arrang	ėment (Detail sha	Il refer to supple
SA270030	Overall Utilities Diversion (Detail shall refer to supplementary information)	-13	93.48%	959	26-Mar-10 A	10-Jan-14			:		Overall Utiliti	es Diversion	(Detail shall refer	to supplementar
South Bo	und							-	i 1 1		; ! !	i !		
Slopework	s													
S27S0000	Site Clearance/Access Rd		100%	130	27-Mar-10 A	03-Sep-10 A	- :	-	1 1 1		1 1 1			
S27S0001	Site Clearance (Stage 1)		100%	40	27-Mar-10 A	18-May-10 A			 		! ! !			
S27S0002	Site Clearance (Stage 2)		100%			05-Aug-10 A		!			1 1 1			
S27S0004	Access Rd (Stage 1)		100%			18-Jun-10 A		!	1		1 1 1			
S27S0005	Access Rd (Stage 2)		100%		·	03-Sep-10 A	1:	:		<u>.</u>			<u> </u>	
S27S5000	Slopeworks Cut(S34)		100%			23-Feb-11 A		; ; ;			, 1 1			
S27S5100	Slopeworks Cut(S42), Fill(S43)		100%			29-Mar-11 A		 	1 1 1		1 1 1	!		
S27S5101	Slopeworks Cut(S42)		100%			11-Mar-11 A		 	 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1			
S27S5102	Slopeworks Fill(S43)		100%			06-Jan-12 A		1	1		1 1 1			
S27S5110	Slopeworks Cut(S37)		100%			02-Feb-11 A							<u></u>	
S27S5111	Slopeworks Cut(S37) - Stage 1, +40mPD		100%			01-Feb-11 A					1			
S27S5112	Slopeworks Cut(S37) - Stage 2, +33.8mPD		100%		30-Jan-12 A		-	: !			1 1 1 1			
S27S5120	Slopeworks Fill(S38)(Including removal of existing retaining wall)		100%			21-Aug-12 A		: : : :			, 1 1 1			
S27S5121	Slopeworks Fill(S38): Removal of existing retaining wall		100%			19-May-12 A	-	<u> </u>			, 1 1			
S27S5122	Slopeworks Fill(S38) - Stage 1, +32mPD		100%		·	08-Jun-12 A		; 		 			<u> </u>	
S27S5122 S27S5123	Slopeworks Fill(S38) - Stage 1, +32IIIFD Slopeworks Fill(S38) - Stage 2, +34mPD		100%		11-Jun-12 A		-	: !			, 1 1			
S27S5123 S27S5124	Slopeworks Fill(S38) - Stage 2, +54HFD Slopeworks Fill(S38) - Stage 3, formation level		100%			21-Aug-12 A	- :	! ! !	1 1 1		; 1 1 1			
S27S5124 S27S5130	Slopeworks Cut(S39)		100%			23-Feb-11 A		1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1			
32733130	Olopeworks Out(Oos)		10070	138	19-Juli- IU A	20-1 60-11 A		1			!			

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		2	013				-	2014		
	, and the same	Float		Duration		44	45	Q4 46	47	48	Q1 49	50	51	Q2 52	53 5
S27S51	31 Slopeworks Cut(S39) - Stage 1, +37mPD		100%	46 19-Jun-10 A	12-Aug-10 A	44	45	40	47	40	49	50	51	52	55
S27S51	32 Slopeworks Cut(S39) - Stage 2, +35mPD		100%	46 13-Aug-10 A	07-Oct-10 A	<u> </u>									
S27S51	33 Slopeworks Cut(S39) - Stage 3, formation level		100%	46 28-Dec-10 A	23-Feb-11 A		1								
S27S51	50 Slope Reinstatement Works (S42)	48	95%	40 06-Sep-13 A	28-Oct-13		1	Slope R	leinstateme	nt Works (S42)	1	1	1	
Constr	uction of Retaining Wall W66/67 (CSD 2) & W71			l l			1 1 1	}		1	1 1 1				
S27S11			100%	45 02-Oct-10 A	19-Mar-11 A		1	1						1	
S27S11	D1 Base Slab (W66)		100%	30 02-Oct-10 A	01-Nov-10 A	1:									
S27S11	02 Wall Stem (W66)		100%	30 02-Nov-10 A	26-Dec-10 A		1	i !		1		1		1	
S27S11	Base Slab (W67)		100%	30 08-Nov-10 A	25-Dec-10 A		1 1 1	}							
S27S11	13 Wall Stem (W67)		100%	24 28-Feb-11 A	19-Mar-11 A		1								
S27S11	15 Backfill for W66&67		100%	61 27-Jun-11 A	15-Oct-11 A							1	1		
S27S12	Retaining Wall W71 (Bay1 - Bay5)		100%	110 02-Jun-10 A	12-Oct-10 A	1:									[
S27S12	Retaining Wall W71 : Base Slab		100%	55 02-Jun-10 A	06-Aug-10 A		1					1		1	
S27S12	Retaining Wall W71 : Wall Stem		100%	55 07-Aug-10 A	12-Oct-10 A		1 1 1	}		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	:	
S27S12	Backfill for W71		100%	50 27-Jun-11 A	24-Aug-11 A		1			1	1 1 1	1		1	
Roadw	orks, Drainage & Utilities			l l			1							1	
S27S40	Roadworks, Drainages & Utilities - Stage 1 (CH 3900 - 4740)	-13	82.51%	357 13-Apr-12 A	10-Jan-14					Road	dworks, Di	ainages &	Utilities - S	tage 1 (Cl	1 3900 - 474
S27S40	Utilities - Stage 1 (W66 & W67)		100%	60 13-Apr-12 A	19-Apr-12 A										
S27S40	Road and Drainages Works - Stage 1		100%	60 11-May-12 A	31-Jul-12 A		 	1		1	1	1	1		1 1 1 1 1 1
S27S40	10 Road Surface - Stage 1		100%	50 28-Jul-12 A	11-Dec-12 A		! ! !								
S27S40	12 Roadmark and Lane Shifting - Stage 1		100%	30 12-Dec-12 A	27-Dec-12 A		1			1	1	1	1		
S27S40	18 Removal of existing paving - Stage 2 (Remaining CH4500 - 4740)		100%	25 27-Aug-13 A	12-Oct-13 A		Re	moval of ex	xi s ting pavir	ng - Stage :	2 (Remain	ing CH450	0 - 4740)		[
S27S40	Road and Drainage Works for Slow Lane - Stage 2 (incl. VO 55: Provision of drainage at Retaining	-13	10%	30 06-Oct-13 A	26-Nov-13			i	Road and	Drainage	Works for	Slow Lane	- Stage 2	(incl. VO f	5: Provision
S27S40	Road Surface Works for Slow Lane	-13	3 0%	10 27-Nov-13	07-Dec-13		1		Road	Surface W	orks for S	ow Lane			
S27S40	Road Construction and Remaining Works (along CH4500 - 4740)	-13	15%	30 27-Aug-13 A	10-Jan-14		:	:	<u> </u>	Road	Construc	tion and R	ėmaining V	Norks (alo	ng CH4500
Constr	uction of Bridge 15A														
	atory and Enabling Works					<u></u>	- 								<u> </u>
S26AS20			100%	102 01-Jun-10 A	30-Sep-10 A		1 1 1								
S26AS2	0 Hual Road		100%	102 01-Jun-10 A	30-Sep-10 A		1					1	1		
S26AS2	5 11KV Diversion, CLP		100%	102 01-Jun-10 A	30-Sep-10 A	1	!								
S26AS2	2 nos. Existing fresh water mains diversion		100%	36 26-Jan-11 A	11-Mar-11 A		1	1		1	1	1	1	1	
S26AS2	Existing tel cable diversion, PCCW		100%	36 26-Jan-11 A	11-Mar-11 A	 }									
S26AS24	5 HyD/Lighting		100%	60 26-Jan-11 A	09-Apr-11 A		1 1 1								
Substi	ucture and Pier Construction						1					1	1		
	Abutment, P1 to P5						!								
S26AS2			100%	335 02-Jul-10 A	16-Aug-11 A		1	i !		1		1		1	
S26AS2	30 Excavation & Cap-South Abutment, P1 to P5 (incl. VO6: Bridge 15A cap sleeving details)		100%	173 07-Feb-11 A	05-Sep-11 A	 									
S26AS2	40 Pier & backfill, South Abutment, P1 to P5		100%	112 13-Jun-11 A	26-Oct-11 A		1 1 1	1			1				
	Abutment						; 1 1				1 1 1 1	1			
S26AS7			100%	71 02-Jul-10 A	07-Feb-11 A		1			1	1 1 1	1	1	1	
S26AS7			100%	37 07-Feb-11 A		-	1 1 1			1	1 1 1	1 1 1			
S26AS7			100%	21 13-Jun-11 A			- 								,
S26AS8			100%	14 13-Jun-11 A			!				1			1	
P1							1				1	1			
S26AS6	10 Piling - P1		100%	66 18-Jan-11 A	09-Apr-11 A		; ; ;				1 1 1				
S26AS6			100%	37 26-May-11 A	·		1			1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
S26AS6			100%	36 11-Jul-11 A							-				·
					'	_L:	!	-		1	1	!	!	<u> </u>	<u> </u>

Activity	ID	Activity Name	Total	Activity %	Original Start	Finish		20	013				2014		
Lavity		,	Float	Complete	Duration		144		Q4	17	Q1			Q2	F2
	P2						44	45	46	47	48 49	50	51	52	53
	S26AS640	Piling - P2		100%	66 26-Apr-11 A	27-May-11 A								1 1 1 1	
	S26AS650	Cap & Backfill - P2		100%	37 09-Jun-11 A	23-Jul-11 A			1					1	
	S26AS660	Pier - P2		100%	36 26-Aug-11 A	22-Oct-11 A			 					! ! !	
	P3						-								
		Piling - P3		100%	66 28-Dec-10 A	01-Feb-11 A			1 1 1					1 1 1 1	1
	S26AS680	Cap & Backfill - P3		100%	37 26-Mar-11 A	14-May-11 A			1					1 1 1 1	1
	S26AS700	Pier - P3		100%	36 09-May-11 A	21-Jun-11 A			1					1	
	P4														
		Piling - P4		100%	63 09-Feb-11 A	26-Mar-11 A									<u>-</u>
	S26AS550	Cap & Backfill - P4		100%	46 07-Apr-11 A	16-May-11 A			1 1 1					1 1 1 1	1 1 1
	S26AS560	Pier - P4		100%	36 27-Jun-11 A									 	
	P5								1 1 1			!	1	1 1 1	1
		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								¦ !	<u>-</u>
Ш	S26AS590	Pier - P5		100%	36 18-Nov-11 A	29-Feb-12 A			1 1 1					1 1 1 1	1 1 1
	P6													1 1 1 1	
		Piling-P6 Stage 1 (6 no.)		100%	20 26-Nov-11 A	19-Dec-11 A								! ! !	
Ш	S26AS226	Piling-P6 Stage 2 (Remain, 9 no.)		100%	30 18-May-12 A	26-May-12 A									
Ш	S26AS232	Cap & Backfill - P6		100%	36 05-Oct-12 A	09-Nov-12 A	1								
	S26AS242	Pier-P6		100%	12 20-Nov-12 A	13-Dec-12 A			1					1 1 1 1	1
	North Abutr	ment			I	<u> </u>								! ! !	
	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			1 1 1	1 1				1 1 1 1	1 1 1
	S26AS234	Excavation & Cap-North Abutment		100%	30 08-Aug-12 A	18-Dec-12 A	1							! !	
Ш	S26AS236	Abutment		100%	20 24-Dec-12 A	18-Jan-13 A			 					! ! !	
Ш	S26AS244	Backfilling		100%	50 22-Jan-13 A	15-May-13 A			1 1 1					! ! !	1
	Decking ar	nd Finishing							 					1 1 1 1	
	S26AS250	Bridge Deck (7 spans) (Bearing, Drainage & MJ included) (incl. VO 44: Revised Drainage Arrangeme		100%	314 26-Nov-11 A	28-Mar-13 A	luded) (inc	l. VO 44:	Revised Dra	inage Arrar	ngement for Bridg	e 15A Deck)		1	
Ш	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			1 1 1			i !		1 1 1 1	1
	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			1 1 1					1 1 1	
	S26AS255	Bridge Deck - Pier 4 to Pier 3		100%	75 11-Aug-12 A	22-Dec-12 A									1
	S26AS256	Falsework dismantling of deck - Pier 4 to Pier 3		100%	18 25-Feb-13 A	03-May-13 A	to Pier 3	- r		-,				 	
	S26AS257	Bridge Deck - Pier 5 to Pier 4		100%	75 27-Aug-12 A	31-Jan-13 A								1 1 1	
	S26AS258	Falsework dismantling of deck - Pier 5 to Pier 4		100%	18 11-Mar-13 A	30-May-13 A	k - Pier 5 t	o Pier 4						; 1 1 1	
	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							1	 	1
	S26AS261	Falsework dismantling of deck - Pier 6 to Pier 5		100%	18 06-May-13 A	14-Jun-13 A	of deck - Pi	er 6 to Pie	r 5						
	S26AS262	Falsework Erection of deck - North Abutment to Pier 6		100%	18 31-Dec-12 A	04-Feb-13 A								1 1 1	
	S26AS263	Bridge Deck - North Abutment to Pier 6		100%	50 14-Jan-13 A	28-Mar-13 A								 	1
	S26AS264	Falsework dismantling of deck - North Abutment to Pier 6		100%	18 13-May-13 A	14-Jun-13 A	of deck - No	orth Abutn	nent to Pier	6				 	1
	S26AS269	Parapet (icl, precast concrete skin)		100%	50 06-Dec-12 A	08-Jun-13 A	rete skin)		 				1	1	1
	S26AS270	Noise Barrier for Bridge 15A		100%	25 27-Mar-13 A	12-Jun-13 A	15A								
	S26AS272	Surfacing		100%	10 10-May-13 A	20-Jun-13 A								, , , ,	
	S26AS275	Lighting		100%	7 04-May-13 A	07-Jun-13 A		-						 	1
	S26AS280	Handover Inspection of Bridge 15A		100%	3 20-Jun-13 A	22-Jun-13 A	of Bridge	15A	1 1 1	<u> </u>		! !	<u> </u>	1 1 1	1 1 1

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		20	013					2014	
		Float	Complete	Duration		44	45	Q4 46	47	48	Q1 49	50	51	Q2 Q: 53 54
Ready Fo	r Pre-Handover Retaining Wall of Section 3						10	10		10	1			02 00 0
HRW0030	Ready For Pre-Handover Retaining Wall W65C, W68, W69, W70, W72A	43	0%	7 26-Oct-13	02-Nov-13			Ready F	or Pre-Ha	andover Re	taining W	ы W65C,	W68, W69	, W70, W72A
HRW0031	Ready For Pre-Handover Retaining Wall W65A, W65B, W66, W67, W71	43	0%	7 26-Oct-13	02-Nov-13			Ready F	or Pre-Ha	andover Re	taining W	ู่แ W65A, \	, 100 M65B, W66	6, W67, W71
Section 4		,		, , , , , , , , , , , , , , , , , , ,							1	1	1	
Site Area	SA28										1	! ! !		
PHSA2820	Possession of SA28 (Day0)		100%	0 26-Feb-10 A			1 1 1			1	1	1 1 1 1		
SA280000	Site Area SA28 Works Period	112	89.15%	1216 26-Feb-10 A			! L				 	Site A	rea SA28 \	Works Period
SA280010	Site Area SA28 Works Completion	112		0	06-Mar-14	-[]	1 1 1				1 1 1		;	Works Completion
SA280030	Temporary Traffic Arrangement (Detail shall refer to supplementary information)	90	89.12%	983 26-Feb-10 A						!	1	i	1	c Arrangement (Detail
SA280040	Overall Utilities Diversion (Detail shall refer to supplementary information)	90	89.12%	983 26-Feb-10 A		-[]				i	i		1 1	Diversion (Detail shall re
North Bou			*****				1 1 1	1 1 1 1 1 1		1	1 1 1			
Preliminar							<u> </u> 					 		
S28N0000	Site Clearance/Access Rd		100%	239 26-Feb-10 A	19-Feb-11 A		 				1 1 1	1 1 1 1		
S28N0010	Site Clearance (ch 4830-5250)		100%	75 26-Feb-10 A		-	! !				1	1	1	
S28N0020	Site Clearance (ch 5250-5700)		100%	75 17-Apr-10 A		-								
S28N0110	Access Rd (ch 4830-5250)		100%	75 30-Jun-10 A		-								
S28N0120	Access Rd (ch 5250-5700)		100%	75 09-Sep-10 A						- - -	- - -	: <u>-</u>		ji
Slopework			10070	70 00 000 1070	10 1 00 1171		 				1 1 1	1 1 1 1		
S28N5000	Slopeworks Fill S44		100%	36 28-Dec-11 A	11-Feb-12 A		1				1	1 1 1	1	
S28N5010	Slopeworks Fill S45	19		40 26-Oct-13	11-Dec-13	-			Slor	⊹ beworks Fil	1.545	1 1 1	1	
		19	0 /8	40 20-001-13	11-Dec-13				510	-	1040			
	ion of Retaining Wall Wall W72B (CSD 1)											i 		<u> </u>
	Prepare Piling Platform for W72B		100%	13 14-Sep-10 A	29-Sep-10 A	-	1 1 1	1 1 1 1 1 1		1	1 1 1	1 1 1	1	
S28N2020			100%	13 14-Sep-10 A	•	-	1 1 1				1	 		
S28N2040			100%	24 01-Mar-11 A		-	1				1		1	
S28N2050			100%	50 26-May-11 A		-								
	Pile Cap for W72B		100%	30 26-May-11 A		+						i 		<u></u>
	Walling for W72B		100%	75 21-Jun-11 A		-	! ! !	1 1		1	1 1 1	1 1 1 1	1	
S28N2060	Backfilling		100%	68 26-Sep-11 A	· .	-	1 1 1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	1	
Petaining !	Wall W73 (CSD 1)		10070	00 20 Ocp 11 A	13 Dec 11 A						1	1 1 1	1	
S28N2071	Excavation & ELS		100%	24 14-Sep-10 A	13-Oct-10 A	-					1	! ! !		
S28N2077	W73 wall Structure (7 bays)		100%	45 01-Mar-11 A			<u>.</u> 					; <u>-</u>		<u> </u>
S28N2072	Base Slab W73		100%	24 01-Mar-11 A	·	-	1 1 1	i i		1	 	1 1 1 1	i i	
S28N2074	Wall Stem & W73		100%	24 25-Mar-11 A		-	1 1 1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	1	
S28N2080			100%	75 09-Jul-11 A	· .	-	! ! !			1	1	1 1 1	1	
Petaining !	Wall for Accom. Underpass Extn. (CSD 1)		10070	75 05 001 11 7	24 Dec 11 A	-					1			
S28N230	Pre-drilling for Accommodation Underpass Extension		100%	30 30-Jun-10 A	04-Δυα-10 Δ		<u>.</u> 					; <u>-</u>		<u>.</u>
S28N240	Prepare Piling Platform for Accom.Underpass Extrn		100%	30 30-Jun-10 A		-	1 1 1	1 1 1 1 1 1		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	1	
S28N250	Piling works		100%	45 01-Mar-11 A		- 1	1 1 1				1	! ! !	1	
S28N260	Capping/Walling (incl. VO71: Details of typical section for slip road R verge at AUE wall)		100%	54 26-Mar-11 A		- -					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1		
S28N270	Capping (AUE)		100%	45 26-Mar-11 A		-					1 1 1	, 		
S28N280	Walling (AUE)		100%	55 26-May-11 A	-		 					1 <u>L</u>		
S28N290	Backfilling		100%	62 26-Sep-11 A		-				1	1 1 1 1	1 1 1 1		
Retaining '			100 /6	02 20-3ep-11 A	17 DGC-11 A	-					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1		
	Liasion with location resident for slip road diversion		100%	75 26-Feb-10 A	05lun-10 A	-					1	1 1 1		
\$28N2115	Utilities Diversion		100%	60 07-Jun-10 A		-					1 1 1	, 		
S28N2120			100%	60 18-Aug-10 A		 	<u>.</u> 					L	ļ	; ;
320INZ 120	Tomporary Todu and pedestrian diversion		100%	00 10-Aug-10 A	23-001-10 A	į	:	i i		1	1	! !	<u>!</u>	<u>ı i i</u>

Activity ID Season	b (W74) (Bay 1-3)	le 1: Bay1 - 3) taining Wall Constructio all Stem (W74) (Bay 1- 3	3) R	etaining W		51 ction (Stag	Q2 52 e 2: Bay 4	- 9)
\$28N2130 Confirmation of Founding Level 100% 19 26-Mar-11 A 18-Apr-11 A \$28N2134 Falsework removal beteew NLK deck P7 -P8 100% 26 07-Jan-13 A 01-Feb-13 A \$28N2135 Piling work for W74 (Stage 1: Bay1 - 3) 100% 75 21-Feb-13 A 22-Apr-13 A \$28N2140 Temporary Work for Excavation (Stage 1: Bay1 - 3) 100% 20 27-Jun-12 A 31-Jul-12 A \$28N2145 Excavation and Tie Back to Formation Level (Stage 1: Bay1 - 3) 100% 18 18-Jul-12 A 31-Jul-12 A \$28N2150 Pile Head Trimming and bearing plate (Stage 1: Bay1 - 3) 100% 45 11-Jun-13 A 11-Jun-13 A \$28N2155 Retaining Wall Construction (Stage 1: Bay1 - 3) 100% 45 11-Jun-13 A 07-Oct-13 A \$28N2156 Base Slab (W74) (Bay 1 - 3) 100% 30 25-May-13 A 27-Jul-13 A \$28N2160 Retaining Wall Construction (Stage 2: Bay 4 - 9) 29 66.34% 202 23-Apr-13 A 16-Jan-14 \$28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A \$28N2162 Piling work for W74 (S	blearing plate (Stag Ret b (W74) (Bay 1- 3)	e 1: Bay1 - 3) taining Wall Constructio all Stem (W74) (Bay 1- 3 LK deck P8 - P9	n (Stage 1	: Bay1 - 3) etaining W				
S28N2134 Falsework removal beteew NLK deck P7 -P8 100% 26 07-Jan-13 A 01-Feb-13 A	b (W74) (Bay 1- 3)	taining Wall Constructio all Stem (W74) (Bay 1-3 LK deck P8 - P9	3) R	etaining W		ction (Stag	e 2: Bay 4	9)
\$28N2135 Piling work for W74 (Stage 1: Bay1 - 3) 100% 75 21-Feb-13 A 22-Apr-13 A \$28N2140 Temporary Work for Excavation (Stage 1: Bay1 - 3) 100% 20 27-Jun-12 A 31-Jul-12 A \$28N2145 Excavation and Tie Back to Formation Level (Stage 1: Bay1 - 3) 100% 18 18-Jul-12 A 31-Jul-12 A \$28N2150 Pile Head Trimming and bearing plate (Stage 1: Bay1 - 3) 100% 14 27-May-13 A 11-Jun-13 A \$28N2155 Retaining Wall Construction (Stage 1: Bay1 - 3) 100% 45 11-Jun-13 A 07-Oct-13 A \$28N2156 Base Slab (W74) (Bay 1 - 3) 100% 30 25-May-13 A 27-Jul-13 A \$28N2158 Wall Stem (W74) (Bay 1 - 3) 100% 30 23-Jul-13 A 07-Oct-13 A \$28N2160 Retaining Wall Construction (Stage 2: Bay 4 - 9) -29 66.34% 202 23-Apr-13 A 16-Jan-14 \$28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A \$28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A \$28N2165 Excavation and Tie Back	b (W74) (Bay 1- 3)	taining Wall Constructio all Stem (W74) (Bay 1-3 LK deck P8 - P9	3) R	etaining W		ction (Stag	e 2: Bay 4	9)
S28N2140 Temporary Work for Excavation (Stage 1: Bay1 - 3) 100% 20 27-Jun-12 A 31-Jul-12 A S28N2145 Excavation and Tie Back to Formation Level (Stage 1: Bay1 - 3) 100% 18 18-Jul-12 A 31-Jul-12 A S28N2150 Pile Head Trimming and bearing plate (Stage 1: Bay1 - 3) 100% 14 27-May-13 A 11-Jun-13 A S28N2155 Retaining Wall Construction (Stage 1: Bay1 - 3) 100% 45 11-Jun-13 A 07-Oct-13 A S28N2156 Base Slab (W74) (Bay 1- 3) 100% 30 25-May-13 A 27-Jul-13 A S28N2158 Wall Stem (W74) (Bay 1- 3) 100% 30 23-Jul-13 A 07-Oct-13 A S28N2160 Retaining Wall Construction (Stage 2: Bay 4 - 9) -29 66.34% 202 23-Apr-13 A 16-Jan-14 S28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A S28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2167 Ba	b (W74) (Bay 1- 3)	taining Wall Constructio all Stem (W74) (Bay 1-3 LK deck P8 - P9	3) R	etaining W		ction (Stag	e 2: Bay 4	9)
S28N2145 Excavation and Tie Back to Formation Level (Stage 1: Bay1 - 3) 100% 18 18-Jul-12 A 31-Jul-12 A S28N2150 Pile Head Trimming and bearing plate (Stage 1: Bay1 - 3) 100% 14 27-May-13 A 11-Jun-13 A S28N2155 Retaining Wall Construction (Stage 1: Bay1 - 3) 100% 45 11-Jun-13 A 07-Oct-13 A S28N2156 Base Slab (W74) (Bay 1- 3) 100% 30 25-May-13 A 27-Jul-13 A S28N2158 Wall Stem (W74) (Bay 1- 3) 100% 30 23-Jul-13 A 07-Oct-13 A S28N2160 Retaining Wall Construction (Stage 2: Bay 4 - 9) -29 66.34% 202 23-Apr-13 A 16-Jan-14 S28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A S28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A S28N2164 Temporary Work for Excavation (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13	b (W74) (Bay 1- 3)	taining Wall Constructio all Stem (W74) (Bay 1-3 LK deck P8 - P9	3) R	etaining W		ction (Stag	e 2: Bay 4	9)
S28N2150 Pile He ad Trimming and bearing plate (Stage 1: Bay1 - 3) 100% 14 27-May-13 A 11-Jun-13 A S28N2155 Retaining Wall Construction (Stage 1: Bay1 - 3) 100% 45 11-Jun-13 A 07-Oct-13 A S28N2156 Base Slab (W74) (Bay 1- 3) 100% 30 25-May-13 A 27-Jul-13 A S28N2158 Wall Stem (W74) (Bay 1- 3) 100% 30 23-Jul-13 A 07-Oct-13 A S28N2160 Retaining Wall Construction (Stage 2: Bay 4 - 9) -29 66.34% 202 23-Apr-13 A 16-Jan-14 S28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A S28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A S28N2164 Temporary Work for Excavation (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 19 18-Jul-12 A 31-Jul-12 A S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13	b (W74) (Bay 1- 3)	taining Wall Constructio all Stem (W74) (Bay 1-3 LK deck P8 - P9	3) R	etaining W		ction (Stag	e 2: Bay 4:	9)
S28N2155 Retaining Wall Construction (Stage 1: Bay1 - 3) 100% 45 11-Jun-13 A 07-Oct-13 A S28N2156 Base Slab (W74) (Bay 1- 3) 100% 30 25-May-13 A 27-Jul-13 A S28N2158 Wall Stem (W74) (Bay 1- 3) 100% 30 23-Jul-13 A 07-Oct-13 A S28N2160 Retaining Wall Construction (Stage 2: Bay 4 - 9) -29 66.34% 202 23-Apr-13 A 16-Jan-14 S28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A S28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A S28N2164 Temporary Work for Excavation (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 19 18-Jul-12 A 31-Jul-12 A S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13	b (W74) (Bay 1- 3)	taining Wall Constructio all Stem (W74) (Bay 1-3 LK deck P8 - P9	3) R	etaining W		ction (Stag	e 2: Bay 4:	9)
S28N2156 Base Slab (W74) (Bay 1- 3) 100% 30 25-May-13 A 27-Jul-13 A S28N2158 Wall Stem (W74) (Bay 1- 3) 100% 30 23-Jul-13 A 07-Oct-13 A S28N2160 Retaining Wall Construction (Stage 2: Bay 4 - 9) -29 66.34% 202 23-Apr-13 A 16-Jan-14 S28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A S28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A S28N2164 Temporary Work for Excavation (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 19 18-Jul-12 A 31-Jul-12 A S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13	b (W74) (Bay 1- 3)	al Stem (W74) (Bay 1- 3 LK deck P8 - P9	3) R	etaining W		ction (Stag	e 2: Bay 4	9)
S28N2158 Wall Stem (W74) (Bay 1- 3) 100% 30 23-Jul-13 A 07-Oct-13 A S28N2160 Retaining Wall Construction (Stage 2: Bay 4 - 9) -29 66.34% 202 23-Apr-13 A 16-Jan-14 S28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A S28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A S28N2164 Temporary Work for Excavation (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 19 18-Jul-12 A 31-Jul-12 A S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13	Wa	all Stem (W74) (Bay 1-3	Re		all Constru	ction (Stag	e 2: Bay 4	9)
S28N2160 Retaining Wall Construction (Stage 2: Bay 4 - 9) -29 66.34% 202 23-Apr-13 A 16-Jan-14 S28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A S28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A S28N2164 Temporary Work for Excavation (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 19 18-Jul-12 A 31-Jul-12 A S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13		LK deck P8 - P9	Re		all Constru	ction (Stag	e 2: Bay 4	9)
S28N2161 Falsework removal bewteen NLK deck P8 - P9 100% 26 23-Apr-13 A 20-Jul-13 A S28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A S28N2164 Temporary Work for Excavation (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 19 18-Jul-12 A 31-Jul-12 A S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13	removal bewteen NI	1			all Constru	ction (Stag	e 2: Bay 4	9)
S28N2162 Piling work for W74 (Stage 2: Bay 4 - 9) 100% 50 24-Jun-13 A 22-Oct-13 A S28N2164 Temporary Work for Excavation (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 19 18-Jul-12 A 31-Jul-12 A S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13	removal bewteen NI	1	Stage 2: Ba	av 4 - 9)		1	i i	
S28N2164 Temporary Work for Excavation (Stage 2: Bay 4 - 9) 100% 18 27-Jun-12 A 17-Jul-12 A S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 19 18-Jul-12 A 31-Jul-12 A S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13		Piling work for W74 (S	Stage 2: Ba	av 4 - 9)		1		
S28N2165 Excavation and Tie Back to Formation Level (Stage 2: Bay 4 - 9) 100% 19 18-Jul-12 A 31-Jul-12 A S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13			1	· /	1			!
S28N2167 Base Slab (W74) (Bay 4 - 9) -29 30% 25 07-Sep-13 A 15-Nov-13				1	1			
S28N2168 Wall Stem (W74) (Bay 4 - 9) -29 15% 30 05-Oct-13 A 14-Dec-13		Base Slab (W	V74) (Bay 4	4 - 9)				
	1 i i —	Wa	atl Stem (W	774) (Bay	4 - 9)			
S28N2190 Backfilling -29 0% 25 16-Dec-13 16-Jan-14			Ba	ackfilling	1 1 1	1		1
Noise Barrier NB43 (AD5)				1 1 1	1			!
S28N2500 Utilities Diversion 100% 127 01-Jun-10 A 10-Feb-11 A								
S28N2510 Temporary Noise Barrier Installation 100% 46 16-Nov-10 A 26-Dec-10 A								
S28N2520 Noise Barrier Construction Stage 1 (Bay 1 - 3) 100% 72 03-Feb-12 A 14-Aug-12 A				1	1			i
S28N2525 Noise Barrier Construction Stage 2 (Bay 4 - 9) 100% 75 09-Jan-13 A 18-Jun-13 A	tion Stage 2 (Bay 4	1 9)		1	1 1 1			!
S28N2526 Noise Barrier Construction Stage 3 remaining (Bay 4 - 7) Wall 8 0% 30 08-Nov-13 13-Dec-13		Noi	se Barrier	Constructi	on Stage 3	remaining	(Bay 4 - 7)	Wall
S28N2530 Erection of Steel Post & Panel (Bay 1 - 3) 100% 75 29-Dec-12 A 31-Jan-13 A		1			!			
S28N2531 Erection of Steel Post & Panel (Bay 4 - 9) 8 0% 10 13-Dec-13 27-Dec-13			Erection	of Steel Po	st & Panel	(Bay 4 - 9		
Road Re-Construction Works, Roadworks, Drainage & Utilities				1	1			1
S28N3890 VO 25: Construction of Cross road Ducts & traffic signal Drawpits at proposed crossing point of tai W 100% 10 27-Apr-11 A 12-Sep-12 A	est			1	1			
S28N3900 CLP & Gasmian Diversion, Tear Drop/Slip Road T(incl. VO 19: Protection for existing HKCG HP600m 100% 75 15-Oct-11 A 12-Jun-12 A								
S28N3902 DN400 landfill gasmain at NB41-stage 1 100% 25 21-Nov-12 A 28-Nov-12 A								
S28N3904 DN400 landfill gasmain at NB41-stage 2 100% 25 17-Dec-12 A 02-Mar-13 A				i 1 1	1		i i	i ! !
S28N3906 New Joint Box construction for CLP 132kV 100% 50 24-Dec-12 A 14-May-13 A	P 132kV			 	!			
S28N3910 Watermain, traffic light, road drains & gully, Tear Drop/Slip Road T (incl. VO52) 100% 75 15-Aug-11 A 11-Mar-13 A	p Road T (incl. VO	5 2)		1	1			1
S28N3920 COD: TTA Case 50 Stage 1 & 2 (Epron ordered: 16-12-11, expected delivery date: 23-1-13, actual de 100% 24 16-Dec-11 A 21-Apr-12 A				: ! !	1	1		
S28N3970 Pavement at Tear Drop Area, Slip Road T & Traffic diversion 100% 30 18-May-12 A 11-Mar-13 A	sion			 				
S28N4002 Roadworks, Drainages & Utilities, TWSRW Road from NB41-bay 6 to NB42-bay12 (incl. VO42 & VO43) 100% 150 18-May-12 A 23-Mar-13 A	m NB41-bay 6 to NE	B42-bay12 (in cl. VO42 8	VO43)		1			1 1 1
S28N4004 Drainage, Utilities & Removal of existing paving (incl.TTA & VO 77 Provision of cable duct for power 100% 75 18-May-12 A 11-Mar-13 A	& VO 77 Provision	of cable duct for power	supply)					1
S28N4006 Road surfacing, Tai Wo Service Road West from NB41-bay 6 to NB42-bay12 (incl. VO 81 maintenan 100% 60 22-Jan-13 A 23-Mar-13 A	B41-bay 6 to NB42-b	bay 12 (incl. VO 81 main	tenance ac	cess for NI	341 & NB42	2)		1
S28N4010 Roadworks to NKL Flyover and Ramps 100% 175 30-Jan-13 A 16-Aug-13 A	padworks to NKL FI	lypver and Ramps			1	1		
S28N4012 Roadworks to NKL Flyover and Ramp - South Ramp to SA 100% 50 30-Jan-13 A 24-Jul-13 A	s to NKL Flyover ar	nd Ramp - South Ramp	to SA	!				
\$28N3890 VO 25: Construction of Cross road Ducts & traffic signal Drawpits at proposed crossing point of tai W 100% 10 27-Apr-11 A 12-Sep-12 A \$28N3900 CLP & Gasmian Diversion, Tear Drop/Slip Road T (incl. VO 19: Protection for existing HKCG HP600m 100% 75 15-Oct-11 A 12-Jun-12 A \$28N3902 DN400 landfill gasmain at NB41-stage 2 100% 25 17-Dec-12 A 28-Nov-12 A \$28N3904 DN400 landfill gasmain at NB41-stage 2 100% 55 17-Dec-12 A 22-Mar-13 A \$28N3910 Watermain, traffic light, road drains & gully, Tear Drop/Slip Road T (incl. VO52) 100% 75 15-Aug-11 A 11-Mar-13 A \$28N3920 COD: TTA Case 50 Stage 1 & 2 (Epron ordered: 16-12-11, expected delivery date: 23-1-13, actual de 100% 24 16-Dec-11 A 21-Apr-12 A \$28N3970 Pavement at Tear Drop Area, Slip Road T & Traffic diversion 100% 30 18-May-12 A 11-Mar-13 A \$28N4000 Roadworks, Drainages & Utilities, TWSRW Road from NB41-bay 6 to NB42-bay12 (incl. VO42 & VO43) 100% 150 18-May-12 A 23-Mar-13 A \$28N4001 Road surfacing, Tai Wo Service Road West from NB41-bay 6 to NB42-bay12 (incl. V	Roadworks to NKL	Flypver and Ramp - No	rth Ramp t	to NA	1			
S28N4020 Road Marking of New Lam Kam Bridge and Final Diversion of South Bound Traffic from NLK Bridge t 100% 10 23-Jul-13 A 16-Aug-13 A	oad Marking of New	v Lam Kam Bridge and I	Final Diver	sion of So	uth Bound	raffic from	NLK Bridg	e to Modifier
S28N4024 Road and Drainage Works (along W74 and NB38) -29 0% 20 17-Jan-14 12-Feb-14			_	Ro	ad and Dra	inage Wor	ks (along W	774 and NB3
S28N4030 300d, 1200d watermain (chA9.00-ch182.00) & Firemains 7 89.81% 362 06-Aug-10 A 07-Dec-13	1 1	300d,	1200d wa	ıtermain (c	hA9.00-ch	(82.00) & F	iremains	
S28N4040 Cable Detection and Trial Pit Excavation 100% 72 06-Aug-10 A 19-Sep-10 A					!			
S28N4050 She et Pile & ELS 100% 72 20-Sep-10 A 15-Feb-11 A								
S28N4060 TBM Boring and Installation of Sleeve Pipe 100% 60 16-Feb-11 A 23-Mar-11 A				 				
S28N4070 Water Pipe installation - inside the sleeve pipe (ch0.00-ch70.00) 100% 50 24-Mar-11 A 28-Jul-11 A				! !	1			

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		2	013				2	2014		
	, seeing name	Float	Complete	Duration		44	45	Q4 46	47	48	Q1 49	50	51	Q2 52	53
S28N4080	Water Pipe installation (DN1200 chA9.00-0 & DN300 CHA7.3 - 0)		100%	75 19-May-12 A	19-Nov-12 A	1 77	13	1 10	1 7/	1 40	1 43	30	31	JE	33
S28N4090	Water Pipe installation (DN1200 CH70-165 & CH210-530 approx)		100%	75 28-Dec-11 A	02-Mar-13 A	pprox)			j		-;				
S28N4202	Water Pipe installation (DN1200 CH185 -210 cross road)		100%	75 28-Nov-12 A	02-Mar-13 A				1	1	i 1 1			i 1 1	
S28N4220	Water Pipe installation (DN300 CH70 -166)		100%	75 21-Jan-13 A	09-Apr-13 A						1			 	
S28N4230	Water Pipe installation (DN300 CH166 -247)		100%	75 04-Jun-12 A	09-Apr-13 A		1				1			1	1
S28N4240	Water Pipe installation (DN300 CHBB5 - 49)		100%	75 15-Feb-13 A	09-Apr-13 A									1	
S28N4250	Water Pipe installation (DN600 CHB0-84 & CHC0-76 Cross Road)		100%	75 28-Nov-12 A	26-Apr-13 A	& CHC0-7	76 Cross F	oad)	-j		-j		;;	;	
S28N4260	Remaining Works for Water Pipe installation (DN1200 CH183 - 227 cross road)	-62	15%	75 06-Sep-13 A	13-Jan-14		i	i	1	Rer	maining W	orks for W	ater Pipe in st	allation (DN1200 C
S28N4270	Remaining Works for Water Pipe installation (DN1200 CH280 - 330)		100%	75 14-May-13 A	30-Sep-13 A	-	Remai	ning Works	for Water F	Pipe installa	ation (DN1	200 CH280	9 - 330)	1 1 1	
S28N4280	Remaining Works for Water Pipe installation (DN1200 CH515 - 529)		100%	30 23-Jul-13 A	23-Aug-13 A	Remaining	Works fo	r Water Pip	oe in stal latio	on (DN120	0 CH515 -	529)		1	
S28N4290	Remaining Works for Water Pipe installation (DN600 CHB2.8 - 30.2)	7	40%	60 08-Jul-13 A	07-Dec-13		<u> </u>			ning Worl	ks for Wate	r Pipe inst	allation (DN6	00 CHB2	2.8 - 30.2)
S28N4300	Remaining Works for Water Pipe installation (DN600 CHC10.4 - 28.4)	7	40%	60 08-Jul-13 A	07-Dec-13				Rema	aining Worl	ks for Wate	r Pipe inst	allation (DN6	00 CHC	10.4 - 28.4
S28N4310	Remaining Works for Water Pipe installation (DN300 CH183 - 227 cross road)	-62	0%	75 26-Oct-13	25-Jan-14			i	<u> </u>	<u> </u>	Remainin	g Works fo	r Water Pipe	installati	on (DN300
S28N4320	Remaining Works for Water Pipe installation (DN300 CHBB0 - 11)	-62	0%	45 25-Jan-14	22-Mar-14			1	1		1	F	emaining W	orks for	Water Pipe
S28N4330	Roadworks, Drainages & Utilities at TWSRW Road from NB38 to NB41-bay6 (TTA case 50 stage 7 &	-32	0%	0 26-Nov-12 A	13-Dec-13		-		∔ Roa	adworks, D	rainages &	Utilities at	TWSRW Ro	ad from	NB38 to N
S28N4340	CLP Tie-in (Cross road and joint bay)		100%	75 26-Nov-12 A	04-Jun-13 A	joint bay)					1 1 1			1 1 1	1
S28N4350	Removal existing paving, Drainage & Utilities (incl.TTA case 50 stage 7 & 8 and VO.77)	-37	70%	35 27-Aug-13 A	08-Nov-13			Rem	dval existin	-⊹ nġ paving, I	Drainage 8	Utilities (ir	cl.TTA case	50 stage	∍ 7 & 8 and
S28N4360	Road Works and Road surfacing at Tai Wo Service Road West from NB38 to NB41 - bay6	-32	0%	30 08-Nov-13	13-Dec-13				Roa	ad Works a	nd Road s	urfacing at	Tai Wo Serv	ice Road	J West from
S28N4370	Road Works and Road Surfacing at Slip Road T (Slow Lane)	-32	0%	30 08-Nov-13	13-Dec-13				Roa	; ad Works a	nd Road S	urfacing a	Slip Road T	(Slow L	ane)
S28N4380	Roadworks, Drainages & Utilities at TWSRW Road from NB38 to NB41- bay6 (TTA case 50 stage 9	-48	0%	96 08-Nov-13	06-Mar-14				-	1	1	Roadw	orks, Draina	ges & Ut	lities at TV
S28N4390	Removal existing paving, Drainage & Utilities (incl.TTA case 50 stage 9 & 10 and VO.77)	-37	0%	35 08-Nov-13	19-Dec-13				¦ ■ R	¦ Rėmoval exi	sting pavir	ig, Drainag	je & Utilities (incl.TTA	case 50 s
S28N4400	Road Works and Road surfacing at Tai Wo Service Road West from NB38 to NB41 - bay6	-37	0%	35 19-Dec-13	05-Feb-14							Works and		ing at Ta	ıi Wo Serv
S28N4410	Road Works and Road Surfacing at Slip Road T (Fast Lane)	-37	0%	35 19-Dec-13	05-Feb-14		1				Road	Works and	: I Road Surfac	ing at S	ip Road T
S28N4420	Remaining Road Works at Slip Road T and TWSRW Road from NB38 to NB41 - bay 6	-48	0%	15 17-Feb-14	06-Mar-14						_	Remai	ning Road W	orks at	Slip Road
S28N4430	CLP Tie-in (joint bay)		100%	75 01-Dec-12 A	04-Jun-13 A		1			1	1			1	
S28N4440	Transition Road Construction Works for TWSRW Road C2/C3 interface		100%	60 10-Jun-13 A	25-Sep-13 A	- :	Transitio	n Road Cor	nstruction V	v Vorks for T	WSRW R	ad C2/C3	interface	 	
Noise Bar	riers & Road Barriers										- -	-		¦	-
	rier NB38, NB39, NB40 & NB41 (AD5)														
S28N2301	WSD/DSD/HKCG/PCCW/HGC/CATV/NWT/HKBN/TGT/CLP Diversion		100%	124 19-May-10 A	15-Oct-10 A									1	
S28N2302	Temporary Noise Barrier Installation		100%	45 18-Oct-10 A	26-Dec-10 A		1			1	i 1 1			i ! !	1
S28N2303	Pre-Drilling for NB39 & NB41		100%	21 26-Jan-11 A	22-Feb-11 A						1			 	
S28N2304	Confirmation of Founding Level		100%	14 26-Mar-11 A	12-Apr-11 A										
S28N2310	Excavation		100%	10 03-Feb-12 A	14-Feb-12 A									1	
S28N2314	Noise barrier Construction (NB38 - NB41)	-17	91.85%	937 26-Apr-11 A	27-Jan-14		<u> </u>		<u> </u>	<u>. </u>	Noise ba	rier Const	ruction (NB38	3 - NB41)	,
S28N2316	Noise barrier Construction NB38	33	50%	30 27-Aug-13 A	13-Nov-13		<u> </u>	No	ise barrier	; Construction	n NB38			; ;	
S28N2318	Noise barrier Construction NB39 (base slab)		100%	75 19-Apr-12 A	31-Dec-12 A		1	}	1	1 1 1	1 1 1			 	
S28N2320	Noise barrier Construction NB41 (incl. VO 23: Provision of Drainage of Noise Barrier 41)		100%	50 26-Apr-11 A	25-Jun-11 A						- - - -			¦	
S28N2330	Noise barrier Construction NB39 (Wall)	38	70%	30 27-Feb-13 A	08-Nov-13	- 1	1	Nois	e barrier Co	¦ onstruction	NB39 (Wa	all)		1 1 1	
S28N2340	Erection of steel and panel (NB41)		100%	24 11-May-12 A	05-Jun-12 A										
S28N2350	Erection of steel and panel (NB39)	38	0%	10 08-Nov-13	20-Nov-13				Erection of	steel and p	anel (NB3	9)		1	
S28N2355	Erection of steel and panel (NB38)	33	0%	10 13-Nov-13	25-Nov-13		1		Erection of	of steel and	panel (NE	338)		i 1 1	1
S28N2370	. , ,	-17		50 27-Aug-13 A					4		4		ion NB40 (Ba	y1 to Ba	y3)
S28N2380			100%	40 25-Mar-13 A		; onstruction	; NB40 (Ba	y4 to Bay5)) :		1		<u> </u>		
S28N2385		-17		10 15-Jan-14	27-Jan-14			[]			Erection	of steel and	; d panel (NB4	0)	
Traffic Co	ntrol & Survelance System						1			1	1			, !	
S28N4800	TCSS (ch4820-ch5640) & (Gantry G29) (incl. VO73 Revised Sign Gantry Details)	35	40%	40 29-Apr-13 A	22-Nov-13		i		TCSS (ch4	; 1820-ch 564	; 10) & (Gan	try G29) (ir	icl. VO73 Re	vised Sic	: In Gantry آ
Landscap					<u> </u>							· · · · · · · · · · · · · · · · · · ·			
S28N6000		19	20%	50 27-Apr-13 A	11-Dec-13		1	1	¦ lland	; dscaping V	Vorks (ch4	 		; ;	
323110000									Lanc	-,	,5 (0114		ı' i	i	

ctivity ID	Activity Name	Total	Activity %	Original Start	Finish		2	013		^	- 2	2014		
		Float	Complete	Duration		44	45	Q4 46 47	48	Q1 49	50	51	Q2 52	53
South Bo	und								!				-	
Preliminar	ries													
S28S0000	Site Clearance/Access Rd (incl. VO4 & VO5: Revised setting out plan of Slip Road W)		100%	0 23-Jun-10 A	01-Feb-11 A									
S28S0010	Site Clearance		100%	75 23-Jun-10 A	18-Sep-10 A	1								
S28S0020	Access Rd		100%	75 27-Jul-10 A	01-Feb-11 A				1	1	1			
Roadwork	s, Drainage & Utilities			<u> </u>			 		1	1 1 1	1 1 1			! ! !
S28S4010	Roadworks, Drainages & Utilities (CH4820 - Ch5700)(incl. VO20: Revised Fire mains alignment plan)	39	95.59%	454 11-May-12 A	18-Nov-13	- !	!	∷ Roadworks	; Drainages	& Utilities	; (CH4820 -	: :Ch5700)(incl. VO20:	Revised F
S28S4012	Removal of existing paving - Stage 1 (CH5300 - 5700 & Slip Road W)		100%	75 11-May-12 A		g - Stage 1	; (CH5300	- 5700 & Slip Road V		1 1 1	1	· ·		1 1 1
S28S4016	Utilities - Stage 1		100%	75 11-May-12 A			L							
S28S4020	Road and Drainages Works - Stage 1 (incl. VO 75 Modification of existing SAV Chamber)		100%	75 11-May-12 A		S Works - S	; tage 1 (in	cl. VO 75 Modification	of existing	SAV Cha	nber)			
S28S4021	Road Surface and Roadmark - Stage 1 (Slow Lane)		100%	30 18-Mar-13 A			1	tage 1 (Slow Lane)						
S28S4025	Removal of existing paving - Stage 2 (CH5300 - 5700 & Slip Road W)		100%	30 19-Jul-13 A		:	;	- Stage 2 (CH5300 - 5	; 5700 & Slin	Road W)				
S28S4027	Utilities - Stage 2 (CH5300 - 5700) (incl. VO 77 Provision of cable duct for power supply)		100%	30 03-Aug-13 A			_	300 - 5700) (incl. VO 7				; ver sunnly		
S28S4029	Road and Drainages Works - Stage 2		100%	30 03-Aug-13 A			Laciana	orks - Stage 2					/, 	·
S28S4029 S28S4031	Road Surface and Roadmark - Stage 2 (Fast Lane)	39		30 13-Aug-13 A	-	ay and Draii	lages w	Road Surface and	d Boadmar	k - Stage	Fact Lan	<u>,</u>		i !
S28S4085	Remaining Road Works at Slip Road W	39		40 27-Aug-13 A			i	Remaining	1	-	1	-		,
	·	39	00%	40 27-Aug-13 A	10-1100-13	-	1	hemaning	Hoad Work	is at Slip r	l l			1 1 1
	riers 44 & Road Barriers						!		!	1	1 1 1 1			1
Noise Barr			4000/	040 05 4 40 4			<u> </u>			ļ		¦	¦ 	; -
	Excavation for NB44		100%	219 25-Aug-10 A			 		1	1 1 1	1	1		1 1 1
S28S2010	· · · · · · · · · · · · · · · · · · ·		100%	44 25-Aug-10 A						1	1	1		
S28S2020	, , , , ,		100%	44 19-Oct-10 A					1	1	1			1
S28S2030	, , , , ,		100%	44 26-Apr-11 A	,				!	1	1			
S28S2040			100%	36 26-Aug-11 A			ļ 			ļ		¦ 		
S28S2050			100%	43 14-Oct-11 A										
S28S2060	, , ,		100%	282 26-Mar-11 A	20-Dec-11 A					1	1			
S28S2070	, , , ,		100%	32 26-Mar-11 A	<u> </u>	1	i ! !		1	i 1 1	1	1	i i	i ! !
S28S2080	Noise Barrier Footing Construction for NB44 (Bay 2)		100%	32 06-Apr-11 A	21-Apr-11 A		! !		1	1 1 1	1 1 1			; ;
S28S2090	Noise Barrier Footing Construction for NB44 (Bay 3)		100%	32 26-May-11 A	04-Jun-11 A			<u> </u>		<u> </u>	! ! !	<u> </u>	; ; ,	
S28S2100	Noise Barrier Footing Construction for NB44 (Bay 4)		100%	30 26-Apr-11 A	26-May-11 A		 			1 1 1	1 1 1			
S28S2110	Noise Barrier Footing Construction for NB44 (Bay 5)		100%	24 26-Sep-11 A	25-Oct-11 A	1	! !		1	1 1 1	1 1 1 1			
S28S2120	Noise Barrier Footing Construction for NB44 (Bay 6)		100%	24 26-Oct-11 A	22-Nov-11 A	1			1	1	1			1
S28S2130	Noise Barrier Footing Construction for NB44 (Bay 7)		100%	24 23-Nov-11 A	20-Dec-11 A				!	1	1			
S28S2140	Noise Barrier Footing Construction for NB44 (Bay 8)		100%	24 23-Nov-11 A	20-Dec-11 A									
S28S2150	Noise Barrier Footing Construction for NB44 (Bay 9)		100%	23 23-Nov-11 A	20-Dec-11 A				1		1	 		
S28S2160	Noise Barrier Footing Construction for NB44 (Bay 10)		100%	18 23-Nov-11 A	20-Dec-11 A		!		1	1 1 1	1 1 1	! ! !		,
S28S2170	Remaining NB44 installation of panel		100%	7 27-Aug-13 A	26-Sep-13 A	1	Remaini	ng NB44 installation o	fpanel	1 1 1	1 1 1	1 1 1		
Traffic Cor	ntrol & Survelance System			,	·		!		1	 	1 1 1	1 1 1		i !
S28S4800	TCSS	30	77.8%	130 28-Feb-13 A	28-Nov-13	-	!	TCSS	1	1 1 1	1 1 1			1
S28S4810	TCSS - Stage 1 (ch4820 - ch5520)	30	80%	24 28-Feb-13 A	31-Oct-13	:	:	TCSS - Stage 1 (d	ch4820 - ch	15520)		{ !		
S28S4850	TCSS - Stage 5 (ch5520 - ch5640), (Gantry G56) (incl. VO73 Revised Sign Gantry Details)	30	0%	24 31-Oct-13	28-Nov-13			TCSS -	Stage 5 (ch	5520 - ch	5640), (Ga	ntry G56)	incl. VO73	Revised S
Modification	on of Existing Bridge				<u> </u>					! !	1	! !		
S28S1200	Modification of Lam Kam Rd. Flyover	-34	34.04%	119 26-Aug-13 A	29-Jan-14	i	1		i	Modific	ः ation of Lan	Kam Rd.	Flyover	
S28S1240	Diversion for modification kerb and road reconstruction (N/B)	-34	90%	43 26-Aug-13 A	31-Oct-13	-	!	Diversion for mod	ification ke	b and roa	d reconstru	ction (N/B))	
S28S1250	Removal central barrier and road construction	-34	15%	40 26-Sep-13 A				Ren	noval centra	al barrier a	nd road co	nstruction		
S28S1260	Diversion for modification kerb and road reconstruction (S/B)	-34	0%	40 10-Dec-13	29-Jan-14		!		-	į	į	į	b and road	reconstruc
	struction and Road Resufacing						!		1	1 1 1	1 1 1	!		1
S28S4960	Road Construction and Resurfacing S/B for SA28	41	80%	60 26-Sep-13 A	15-Nov-13		1	Road Constr	uction and	: Resurfaci	¦ ng S/B for S	SA28		1
G_55-550	- 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	71	3070	30 20 00p 10 A	.5 15		1	- Hoda Goristi	uni		ا ا ا د ا د ا		<u> </u>	

		37														
Ac	tivity ID	Activity Name	Total Float	Activity % Complete	Original Start Duration	Finish		2	2013 Q4			Q1	2	2014	Q2	lQ:
			Tioat	Complete	Duration		44	45	46	47	48	49	50	51	52	53 54
	Site Area							 				! ! !	! ! !	! ! !		
	PHSA2920	Possession of SA29 (Day270)		100%	0 27-Jul-10 A			! ! !					, 1 1			
Ш	SA290000	Site Area SA29 Works Period (incl. VO002 & VO0011: Fencing details along site boundaries SA 29)	182	93.4%	946 27-Jul-10 A					1	1	1	1	Ĺ	002 & VO00	11: Fencing o
Ш	SA290010	Site Area SA29 Works Completion	182	0%	0	27-Dec-13	1	1 1 1	1	♦	Site Area	SA29 Wo	rks Comple	≑tion ¦		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	SA290020	Temporary Traffic Arrangement (Detail shall refer to supplementary information)	146	93.27%	764 27-Jul-10 A	27-Dec-13	1	1	1	;		1			1	o supplement
Ш	SA290030	Overall Utilities Diversion (Detail shall refer to supplementary information)	146	93.27%	764 27-Jul-10 A	27-Dec-13		! !	-1		Overall U	tilities Div	rsion (Det	ail shall re	efer to supp	lementary inf
	North Bou	ınd						! ! !				1	! ! !	! ! !		
	Preliminari	ies						, 					, 1 1 1			
ı	S29N0000	Site Clearance/Access Rd		100%	60 26-Jan-11 A	09-Apr-11 A	1	1 1 1	1	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Roadworks	s, Drainage & Utilities					!	1 1 1	-			1 1 1	1 1 1 1	1 1 1		
	S29N4010	Roadworks, Realignment of Tai Wo Service Rd. West (NB42)		100%	58 13-Apr-12 A	21-Jan-13 A		! ! !				! !	! ! !	! ! !	<u> </u>	
ı	S29N4020	Roadworks, Realignment of Tai Wo Service Rd. West (exclude NB42)		100%	38 15-Jan-13 A	28-Mar-13 A	est (exclude	NB42)				 	 	! !		
П	S29N4100	Gravity Sewer Line (4 sections) (incl. VO 8 & VO 35: Revised layout of Southern Trunk Sewer & Man		100%	111 03-Jan-11 A	15-Dec-12 A	Sewer & Ma	nhole S	chedule)			1	! ! !			
	S29N4110	Gravity Sewer Line - Stage 1 (STS10.30-80)		100%	60 03-Jan-11 A	31-Mar-12 A		! ! !				1	1 1 1 1	! ! !		
	S29N4120	Gravity Sewer Line - Stage 2 (STS10.10-30)		100%	60 01-Apr-11 A	30-Jul-11 A	1	1 1 1		1		1 1 1	1 1 1	1 1 1		
	S29N4130	Gravity Sewer Line - Stage 2 (STS10.80-105)		100%	63 28-May-11 A	15-Dec-12 A		1	1		i !		1 1 1			
	Noise Barr	iers & Road Barriers					-	 	-	!			r	7		
	Noise Barr	ier NB42 on Mini-Piles (AD)						1 1 1	-			1 1 1	1 1 1 1	1 1 1		
П	S29N2000	WSD/DSD/HKCG/PCCW/HGC/CATV/NWT/HKBN/TGT/CLP Diversion		100%	72 11-Apr-11 A	11-Jul-11 A		1 1 1			1	1	1 1 1	1		
ı	S29N2020	Footing for NB42 (Bay1 - Bay9) (incl. VO 7: Construction of modified noise barrier foundation for NB42)		100%	110 06-Dec-10 A	05-Jul-11 A		! ! !				1	1 1 1 1	! ! !		
П	S29N2030	Footing for NB42 (Bay1 - Bay5)		100%	60 06-Dec-10 A	05-Jul-11 A		, 1 1				; !	, 1 1 1			
П	S29N2040	Footing for NB42 (Bay6 - Bay9)		100%	50 06-Dec-10 A	05-Jul-11 A		i 					; 	 		-
П	S29N3000	Construct Noise Barrier & Beam Barrier (incl. VO 23. Provision of Drainage at Noise Barrier 42)		100%	60 26-Sep-11 A	01-Aug-12 A		1 1 1	-			1 1 1	1 1 1 1	1 1 1		1 1 1 1 1 1
	Landscapii	ng						1 1 1			1	1	1	1 1 1		
П	S29N6000	Landscaping Works (Near NB43)		100%	50 27-Jun-13 A	26-Sep-13 A		Landsca	ping Work	s (Near NB4	3)	1	1 1 1 1	! ! !		
	Site Area	SA32			·			1 1 1	i !		i i i	; ! !	1 1 1	1 1 1		
	PHSA3210	Possession of SA32 (Day365)		100%	0 25-Feb-11 A		1	L			L	 ! !	L ! !			
П	SA320000	Site Area SA32 Works Period		100%	265 26-Feb-11 A	17-Nov-11 A		1 1 1	1		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1		
П	SA320010	Site Area SA32 Works Completion	-74	0%	0	21-Mar-14		! !				1	♦ s	ite Area S	A32 Work	s Completion
	General				<u> </u>			! !					, 1 1			
	S32G0000	Site Clearance/TTM		100%	72 26-Mar-11 A	25-Jun-11 A		1 1 1	į			; 1 1	 			
Н	S32G4005	Application XP for Construct Roadside Fully Variable Message Sign	-61	80%	60 11-Mar-13 A	08-Nov-13			Арр	li¢ation XP f	or Constru	ct Roadsid	e Fully Va	riable Mes	ssage Sign	- -
	S32G4015	Construct Roadside Fully Variable Message Sign (RFVMS3)(include duct, footing and column)	-61	10%	50 26-Sep-13 A	03-Jan-14				1	Constru	ct Roads	de Fully Va	riable Me	ssage Sigi	n (RFVMS3)(i
	S32G4025	Construct Roadside Fully Variable Message Sign (RFVMS2)(include duct, footing and column)	-61	10%	50 26-Sep-13 A	03-Jan-14					Constru	ct Roads	de Fully Va	i ariable Me	ssage Sigi	(RFVMS2)(i
	S32G4035	Construct Roadside Fully Variable Message Sign (RFVMS1)(include duct, footing and column)	-61	10%	40 26-Sep-13 A			1		1	:	!		1	1 -	le Message S
	S32G4045	Construct Roadside Fully Variable Message Sign (TP04)(include duct, footing and column)	-61	10%	30 26-Sep-13 A	21-Mar-14	_	1	Li			<u> </u>	c	onstruct F	Roadside F	ully Variable
	S32G4060	VO 13: Relocation of existing Directional Signs in the Vicinity of Lam Kam Road Interchange		100%	10 27-Apr-11 A			L	1				<u>.</u>	 		
Ш	Construct	ion of New Lam Kam Road					-	1 1 1	1	1	1 1 1	1 1 1	! ! !	! ! !	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		ture and Pier Construction						1 1 1	-	1		1 1 1	1 1 1 1	1 1 1		
	South Ram							! ! !				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	! ! !		
	S28N1213	Temporary Work for Excavation		100%	15 27-Jul-12 A	13-Aug-12 A		, , , ,				! ! !	! !	, , , ,		
	S28N1214	Excavation		100%	20 23-Jul-12 A	08-Aug-12 A	i			-	i L	i J	i L	i J I	<u>.</u>	
	S28N1214	Construction of South Ramp (incl. VO72: revised North & South Ramps Retaining Wall)		100%	145 23-Jul-12 A	-	Retaining V	¦ Vall\			1	1 1 1	1 1 1 1	! ! !		
	S28N1215 S28N1216	Base Slab		100%	60 23-Jul-12 A	19-Oct-12 A		<u>, an</u>		1		1 1 1	1 1 1	1 1 1		
	S28N1216 S28N1217	Wing Wall		100%	75 24-Sep-12 A			1 1 1	-	1	!	1 1 1	1 1 1 1	1 1 1		
	S28N1217	Backfilling to South Ramp		100%	40 28-Dec-12 A			! ! !				1	 	! ! !		
				100%	40 20-Dec-12 A	25-0all- 13 A		! !	 				: 	! !	-	
	South Abu	tment						1		1	1	1	1 1	1	1	1

SRIVED GasAlde Deveror 1500,	4	2014	:				13	20			Finish	Original Start	Activity %	Total	Activity Name	tivity ID
S28/1/20 Clas Main Diversion 100% 24 28-0se-11 A 29-an-12 A 28-28-28 2	Q2 Q 51 52 53 54	51	50		48	47	Q4		44							,
S28N1250 Cap and Abutment (incl. V028) revised pling details) 100% 115 15 Oct. 12 A 25 Jan - 13 A S8N1250 Cap Cap Cap Cap Cap Cap Cap Cap Cap Cap	J. J. J. J. J.		- 50	7-7-7	70	-1	70	10			30-Jan-12 A	24 28-Dec-11 A	100%		Gas Main Diversion	S28N1220
S28N1250 Pile Cap		1	1	1	1 1 1 1						28-Jul-12 A	60 15-Feb-12 A	100%		Piling Work (24shp)	S28N1230
S28N1220 Abulment			1						1 1 1		25-Jan-13 A	115 15-Oct-12 A	100%		Cap and Abutment (incl. VO29: revised piling details)	S28N1240
SeeN1270 Backfilling to South Abutment 100% 40 28-Dec-12 A 25-Jan-13 A		1	1	1					1		10-Nov-12 A	40 15-Oct-12 A	100%		Pile Cap	S28N1250
Pier NLKP S28N1290 Gas Main Diversion 100% 45 28-Dec-11 A 28-Jan-12 A					 !						15-Dec-12 A	50 12-Nov-12 A	100%		Abutment	S28N1260
S28N1200 Gas Mein Diversion 100% 45 28-Dec-11 A 28-Jan-12 A		1	1 1 1	1	1				i !		25-Jan-13 A	40 28-Dec-12 A	100%		Backfilling to South Abutment	S28N1270
S28N1232 Piling (18shp) 100% 50 13-Apr-12 A 25-Aug-12 A		1	1 1 1	1 1 1	1 1 1				1		,					Pier NLKP1
S28N1234 Cap and Pier (Incl. VO29: revised piling details) 100% 70 03-Oct-12 A 26-Nov-12 A		1	1 1 1 1	1	1				1		28-Jan-12 A	45 28-Dec-11 A	100%		Gas Main Diversion	S28N1200
S28N1234 Cap and Pier (ind. VO29: revised piling details) 100% 70 03 - 0ct-12 A 26 - Nov-12 A											25-Aug-12 A	50 13-Apr-12 A	100%		Piling (16shp)	S28N1232
S28N1238 Pier 100% 45 15-Oct-12 A 26-Nov-12 A					 !						26-Nov-12 A	70 03-Oct-12 A	100%		Cap and Pier (incl. VO29: revised piling details)	S28N1234
Pier NLK P2		1	1 1 1	1	1				i ! !		11-Oct-12 A	25 03-Oct-12 A	100%		Pile Cap	S28N1236
S28N1254 Piling Work (28shp) 100% 57 20-Sep-10 A 11-Nov-10 A 11-Nov-10 A 10-Feb-11 A 18-Jul-11 A		1	1	!	1 1 1				!	1	26-Nov-12 A	45 15-Oct-12 A	100%		Pier	S28N1238
S28N1259 Pile Cap Construction (incl. VO29: revised piling details) 100% 46 06-Dec-10 A 10-Feb-11 A 18-Jul-11 A			1	1												Pier NLKP2
S28N1261 Pier Construction 100% 36 11-Feb-11 A 18-Jul-11 A		!	1	1	1				:		11-Nov-10 A	57 20-Sep-10 A	100%		Piling Work (28shp)	S28N1254
Pier NLKP3 \$28N1271 Pre-drilling for Piles 100% 11 11-Sep-10 A 24-Sep-10 A \$28N1272 Confirmation of Founding Level 100% 21 12-Sep-10 A 15-Oct-10 A \$28N1273 Piling Work (24shp) 100% 68 20-Sep-10 A 16-Nov-10 A \$28N1274 Temporary Shoring System 100% 31 17-Nov-10 A 03-Dec-10 A \$28N1275 Excavation to Formation Level 100% 10 06-Dec-10 A 18-Dec-10 A \$28N1276 Pile Head Trimming and bearing plate 100% 11 20-Dec-10 A 24-Dec-10 A \$28N1277 Pile Cap Construction (incl. VO29: revised piling details) 100% 24 20-Dec-10 A 05-Jan-11 A \$28N1278 Backfilling 100% 30 26-Feb-11 A 01-Apr-11 A \$28N1279 Pier Construction 100% 61 02-Apr-11 A 11-Jun-11 A											10-Feb-11 A	46 06-Dec-10 A	100%		Pile Cap Construction (incl. VO29: revised piling details)	S28N1259
S28N1271 Pre-drilling for Piles 100% 11 11-Sep-10 A 24-Sep-10 A S28N1272 Confirmation of Founding Level 100% 21 12-Sep-10 A 15-Oct-10 A S28N1273 Piling Work (24shp) 100% 68 20-Sep-10 A 16-Nov-10 A S28N1274 Temporary Shoring System 100% 31 17-Nov-10 A 03-Dec-10 A S28N1275 Excavation to Formation Level 100% 10 06-Dec-10 A 18-Dec-10 A S28N1276 Pile Head Trimming and bearing plate 100% 11 20-Dec-10 A 24-Dec-10 A S28N1277 Pile Cap Construction (ind. VO29: revised piling details) 100% 24 20-Dec-10 A 05-Jan-11 A S28N1278 Backfrilling 100% 30 26-Feb-11 A 01-Apr-11 A S28N1279 Pier Construction 100% 61 02-Apr-11 A 11-Jun-11 A		1	1 1 1	1	1				i ! !		18-Jul-11 A	36 11-Feb-11 A	100%		Pier Construction	S28N1261
S28N1272 Confirmation of Founding Level 100% 21 12-Sep-10 A 15-Oct-10 A		1	1	!	1 1 1				!							Pier NLKP3
S28N1273 Piling Work (24shp) 100% 68 20-Sep-10 A 16-Nov-10 A S28N1274 Temporary Shoring System 100% 31 17-Nov-10 A 03-Dec-10 A S28N1275 Excavation to Formation Level 100% 10 06-Dec-10 A 18-Dec-10 A S28N1276 Pile Head Trimming and bearing plate 100% 11 20-Dec-10 A 24-Dec-10 A S28N1277 Pile Cap Construction (incl. VO29: revised piling details) 100% 24 20-Dec-10 A 05-Jan-11 A S28N1278 Backfilling 100% 30 26-Feb-11 A 01-Apr-11 A S28N1279 Pier Construction 100% 61 02-Apr-11 A 11-Jun-11 A			1	1							24-Sep-10 A	11 11-Sep-10 A	100%		Pre-drilling for Piles	S28N1271
S28N1274 Temporary Shoring System 100% 31 17-Nov-10 A 03-Dec-10 A S28N1275 Excavation to Formation Level 100% 10 06-Dec-10 A 18-Dec-10 A S28N1276 Pile Head Trimming and bearing plate 100% 11 20-Dec-10 A 24-Dec-10 A S28N1277 Pile Cap Construction (incl. VO29: revised piling details) 100% 24 20-Dec-10 A 05-Jan-11 A S28N1278 Backfilling 100% 30 26-Feb-11 A 01-Apr-11 A S28N1279 Pier Construction 100% 61 02-Apr-11 A 11-Jun-11 A											15-Oct-10 A	21 12-Sep-10 A	100%		Confirmation of Founding Level	S28N1272
S28N1275 Excavation to Formation Level 100% 10 06-Dec-10 A 18-Dec-10 A S28N1276 Pile Head Trimming and bearing plate 100% 11 20-Dec-10 A 24-Dec-10 A S28N1277 Pile Cap Construction (incl. VO29: revised piling details) 100% 24 20-Dec-10 A 05-Jan-11 A S28N1278 Backfilling 100% 30 26-Feb-11 A 01-Apr-11 A S28N1279 Pier Construction 100% 61 02-Apr-11 A 11-Jun-11 A											16-Nov-10 A	68 20-Sep-10 A	100%		Piling Work (24shp)	S28N1273
S28N1276 Pile Head Trimming and bearing plate 100% 11 20-Dec-10 A 24-Dec-10 A S28N1277 Pile Cap Construction (incl. VO29: revised piling details) 100% 24 20-Dec-10 A 05-Jan-11 A S28N1278 Backfilling 100% 30 26-Feb-11 A 01-Apr-11 A S28N1279 Pier Construction 100% 61 02-Apr-11 A 11-Jun-11 A		1	1 1 1	1 1 1	1 1 1				! ! !	1	03-Dec-10 A	31 17-Nov-10 A	100%		Temporary Shoring System	S28N1274
S28N1277 Pile Cap Construction (incl. VO29: revised piling details) 100% 24 20-Dec-10 A 05-Jan-11 A S28N1278 Backfilling 100% 30 26-Feb-11 A 01-Apr-11 A S28N1279 Pier Construction 100% 61 02-Apr-11 A 11-Jun-11 A Pier NLKP4		1	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1		18-Dec-10 A	10 06-Dec-10 A	100%		Excavation to Formation Level	S28N1275
S28N1278 Backfilling 100% 30 26-Feb-11 A 01-Apr-11 A S28N1279 Pier Construction 100% 61 02-Apr-11 A 11-Jun-11 A Pier NLKP4			1	1	1						24-Dec-10 A	11 20-Dec-10 A	100%		Pile Head Trimming and bearing plate	S28N1276
S28N1279 Pier Construction 100% 61 02-Apr-11 A 11-Jun-11 A Pier NLKP4											05-Jan-11 A	24 20-Dec-10 A	100%		Pile Cap Construction (incl. VO29: revised piling details)	S28N1277
Pier NLKP4			1						!		01-Apr-11 A	30 26-Feb-11 A	100%		Backfilling	S28N1278
		1	1	1	1 1 1				!	1	11-Jun-11 A	61 02-Apr-11 A	100%		Pier Construction	S28N1279
S28N1281 Cas main Diversion 100% 120 13 May-10 A 31 Jul-10 A 12 Jul-10 A			1	1	1											Pier NLKP4
S28N1282 Pre-drilling for Piles 100% 9 01-Aug-10 A 14-Aug-10 A			1 1 1								31-Jul-10 A	120 13-May-10 A	100%		Gas main Diversion	S28N1281
S28N1283 Confirmation of Founding Level 100% 22 16-Aug-10 A 31-Aug-10 A 32-Aug-10 A		1	 	 	 		<u> </u>				14-Aug-10 A	9 01-Aug-10 A	100%		Pre-drilling for Piles	S28N1282
S28N1284 Piling Work (16shp) 100% 63 01-Sep-10 A 30-Sep-10 A 23-Oct-10 A		1	1 1 1	1	1				1		31-Aug-10 A	22 16-Aug-10 A	100%		Confirmation of Founding Level	S28N1283
S28N1285 Temporary Shoring System 100% 44 20-Oct-10 A 23-Oct-10 A 23-Oct-10 A 24-Oct-10 A 25-Oct-10		1	1	1						30-Sep-10 A	63 01-Sep-10 A	100%		Piling Work (16shp)	S28N1284	
S28N1286 Excavation to Formation Level 100% 7 25-Ct:-10 A 28-Ct:-10 A 28-Ct:-10 A 28-Ct:-10 A 29-Ct:-10 A 29													100%		Temporary Shoring System	S28N1285
S28N1288 Pile Head Trimming and bearing plate 100% 14 29-Oct-10 A 06-Nov-10 A 19-Nov-10	1	1 1 1	1 1 1	1 1 1				1				100%		Excavation to Formation Level	S28N1286	
S28N1288 Pile Cap Construction (incl. VO29: revised piling details) 100% 21 08-Nov-10 A 19-Nov-10 A 19-Nov-10 A S28N1289 Backfilling 100% 30 20-Dec-10 A 11-Jan-11 A 20-Dec-10 A 11-Jan-11 A 20-Dec-10 A 11-Jan-11 A 20-Dec-10 A 11-Jan-11 A 20-Dec-10 A 11-Jan-11 A 20-Dec-10 A 11-Jan-11 A 20-Dec-10 A 20-De]]	! ! !	 	 		 						100%			S28N1287
S28N1289 Backfilling 100% 30 20-Dec-10 A 11-Jan-11 A									1				100%			S28N1288
S28N1290 Pier Construction 100% 71 02-Feb-11 A 26-Mar-11 A													100%			S28N1289
Pier NLK P5											26-Mar-11 A	71 02-Feb-11 A	100%		Pier Construction	S28N1290
\$28N1301 Gas main Diversion 100% 120 13-May-10 A 31-Aug-10 A \$28N1302 Pre-drilling for Piles 100% 7 01-Sep-10 A 11-Sep-10 A \$28N1303 Confirmation of Founding Level 100% 14 13-Sep-10 A 25-Sep-10 A \$28N1304 Piling Work (16shp) (incl. VO001: Revised Layout of Piles at New Lam Kam Road Flyover Pier NLKP5) 100% 62 26-Sep-10 A 19-Oct-10 A \$28N1305 Temporary Shoring System 100% 44 20-Oct-10 A 05-Nov-10 A \$28N1306 Excavation to Formation Level 100% 7 08-Nov-10 A 12-Nov-10 A \$28N1307 Pile Head Trimming and bearing plate 100% 14 15-Nov-10 A 27-Nov-10 A		1	1 1 1	1 1 1	1 1 1				! ! !							Pier NLKP5
S28N1302 Pre-drilling for Piles 100% 7 01-Sep-10 A 11-Sep-10 A S28N1303 Confirmation of Founding Level 100% 14 13-Sep-10 A 25-Sep-10 A S28N1304 Piling Work (16shp) (incl. VO001: Revised Layout of Piles at New Lam Kam Road Flyover Pier NLKP5) 100% 62 26-Sep-10 A 19-Oct-10 A S28N1305 Temporary Shoring System 100% 44 20-Oct-10 A 05-Nov-10 A S28N1306 Excavation to Formation Level 100% 7 08-Nov-10 A 12-Nov-10 A S28N1307 Pile Head Trimming and bearing plate 100% 14 15-Nov-10 A 27-Nov-10 A			! ! !		 		<u> </u>				_	-	100%			S28N1301
S28N1303 Confirmation of Founding Level 100% 14 13-Sep-10 A 25-Sep-10 A) 1 1				1		·	·			-	S28N1302
S28N1304 Piling Work (16shp) (incl. VO001: Revised Layout of Piles at New Lam Kam Road Flyover Pier NLKP5) 100% 62 26-Sep-10 A 19-Oct-10 A 19-					! !				1		-		100%			S28N1303
S28N1305 Temporary Shoring System 100% 44 20-Oct-10 A 05-Nov-10 A		1	1 1 1 1	i ! !	1 1 1									Road Flyover Pier NLKP5)		S28N1304
S28N1306 Excavation to Formation Level 100% 7 08-Nov-10 A 12-Nov-10 A S28N1307 Pile Head Trimming and bearing plate 100% 14 15-Nov-10 A 27-Nov-10 A		1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1				1 1 1							S28N1305
S28N1307 Pile Head Trimming and bearing plate 100% 14 15-Nov-10 A 27-Nov-10 A		1			 								100%			S28N1306
			1) 1 1				1				100%		Pile Head Trimming and bearing plate	S28N1307
S28N1308 Pile Cap Construction (incl. VO29: revised piling details) 100% 21 29-Nov-10 A 11-Dec-10 A		1	! !		· !				1							S28N1308
		1	1	! ! !	1 1 1										-	
S28N1310 Pier Construction 100% 74 28-Dec-10 A 28-Mar-11 A		1	1 1 1	1 1 1	1 1 1		1 1		i 1 1		28-Mar-11 A	74 28-Dec-10 A	100%		Pier Construction	S28N1310

Activity ID	Activity Name	Total Activi	y% Original Start	Finish		20)13				2014		
,		Float Comp			44	45	Q4 46	47	48 4	9 50	51	Q2 52	53 5
Pier NLKP6					44	40	40	41	40 4	3 30	51	32	53 5
S28N1321	Gas main Diversion	1	0% 150 13-May-1	0 A 10-Nov-10 A						·			
S28N1322	Pre-drilling for Piles	1	0% 14 21-Jul-10	A 23-Feb-11 A					į				
S28N1323	Confirmation of Founding Level	1	0% 14 21-Jul-10	A 25-Feb-11 A					 	1	1 1		
S28N1324	Piling Work (23shp)	1	0% 75 28-Feb-1	1 A 28-Mar-11 A					 	1 1 1	1 1		
S28N1325	Temporary Shoring System	1	0% 44 26-May-1	1 A 18-Jul-11 A									
S28N1326	Excavation to Formation Level	1	0% 7 05-May-1	1 A 23-Jun-11 A	<u> </u>				·				[
S28N1327	Pile Head Trimming and bearing plate	1	0% 14 29-Jun-1	1 A 05-Jul-11 A					i ! !	1			
S28N1328	Pile Cap Construction (incl. VO29: revised piling details)	1	0% 23 28-Jul-11	A 24-Aug-11 A] 	1 1		
S28N1329	Backfilling	1	0% 28 26-Sep-1	1 A 29-Oct-11 A						1	1 1		
S28N1330	Pier Construction	1	0% 71 28-Sep-1	1 A 12-Nov-11 A									
Pier NLKP7		1					- j	1	·				/i-
S28N1341	Realignment of Existing slip road	1	0% 45 19-May-1	0 A 13-Jul-10 A	-		1		 	1	1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S28N1342	Existing Water main Diversion	1	0% 45 14-Jul-10	A 03-Sep-10 A					; ; ; ;	1 1 1			
S28N1343	Pre-drilling for Piles	1	0% 7 04-Sep-1	0 A 18-Sep-10 A					 	1 1 1			
S28N1344	Confirmation of Founding Level	1	0% 14 13-Sep-1	0 A 25-Sep-10 A						 			
S28N1345	Piling Work (16shp)	1	0% 62 26-Jan-1	1 A 28-Feb-11 A	1:		- j						
S28N1346	Temporary Shoring System	1	0% 44 08-Mar-1	1 A 16-Apr-11 A					; ; ;	1 1 1			
S28N1347	Excavation to Formation Level	1	0% 7 08-Mar-1	1 A 16-Apr-11 A					1 1 1	1 1 1	1 1 1 1 1 1		
S28N1348	Pile Head Trimming and bearing plate	1	0% 14 27-Apr-1	I A 17-May-11 A									
S28N1349	Pile Cap Construction (incl. VO29: revised piling details)	1	0% 21 19-May-1	1 A 31-May-11 A									
S28N1350	Backfilling	1	0% 30 26-Sep-1	1 A 01-Nov-11 A					·				,
S28N1351	Pier Construction	1	0% 72 03-Oct-1	I A 24-Dec-11 A] 	1 1		
Pier NLKP8			,						 				
S28N1361	Realignment of Existing slip road	1	0% 45 19-May-1	0 A 13-Jul-10 A					į				
S28N1363	Existing Water main Diversion	1	0% 45 14-Jul-10	A 03-Sep-10 A					 	1	1 1) i i i i i i i i i i i i i i i i i i i
S28N1364	Pre-drilling for Piles	1	0% 18 04-Sep-1	0 A 25-Sep-10 A	:	[
S28N1365	Confirmation of Founding Level	1	0% 14 27-Sep-1	0 A 13-Oct-10 A									
S28N1366	Piling Work (24shp)	1	0% 75 14-Jan-1	1 A 05-Feb-11 A									
S28N1367	Temporary Shoring System	1	0% 44 26-Apr-1	I A 25-May-11 A	1				 	 			
S28N1368	Excavation to Formation Level	1	0% 30 26-Sep-1	1 A 22-Oct-11 A	1 1 1				 - - -	 			
S28N1369	Pile Head Trimming and bearing plate	1	0% 7 15-Oct-1	I A 22-Oct-11 A									
\$28N1365 \$28N1366 \$28N1367 \$28N1368 \$28N1369 \$28N1370 \$28N1371 \$28N1371	Pile Cap Construction (incl. VO29: revised piling details)	1	0% 24 26-Oct-1	I A 02-Nov-11 A									
S28N1371	Backfilling	1	0% 24 26-Nov-1	1 A 23-Dec-11 A	1		1		 	1	1 1		, i
	Pier Construction	1	0% 72 21-Dec-1	1 A 31-Jan-12 A					 	 			
Pier NLKP9													
S28N1381	Realignment of Existing slip road			0 A 13-Jul-10 A	_					1			
S28N1382	Existing Water main Diversion			A 03-Sep-10 A	_				 	; ! !			
S28N1383	Pre-drilling for Piles		·	0 A 20-Sep-10 A	_		!		 	1 1 1	1 1		
S28N1384	Confirmation of Founding Level		· ·	0 A 08-Oct-10 A					1 1 1	1 1 1			
S28N1385	COD: Drainage (ADN 72, 86, 121, 145, 225), Fire Services Mains (DAN 202) and related UU works)			0 A 21-Oct-11 A		ļ							
S28N1386	Piling Work (24shp)			1 A 19-Dec-11 A	_				 	1 1 1			
S28N1387	Temporary Shoring System			2 A 19-Apr-12 A	_				 	; ; ;			
S28N1388	Excavation to Formation Level			2 A 26-Jun-12 A	_				; ; ;	1 1 1 1			
S28N1389	Pile Head Trimming and bearing plate			2 A 11-Jul-12 A					 	1 1 1			
S28N1390	Pile Cap Construction (incl. VO29: revised piling details)			A 01-Aug-12 A		ļ							
S28N1391	Backfilling			A 14-Sep-12 A	_				 	! ! !			
S28N1392	Pier Construction	1	0% 40 15-Sep-1	2 A 18-Oct-12 A					 	1			

Activity ID	Activity Name	Total	Activity %	Original Start	Finish		2	013				2014		
, ,		Float	Complete	Duration		44	45	Q4 46 47	48	Q1 49	50	51	Q2 52	Q3 53 54
Pier NLKP	10					44	40	70 47	40	49	30	31	J2	33 34
S28N1401	132 kv Cable Diversion		100%	75 26-Oct-11 A	27-Jan-12 A		! !			1	1			
S28N1402	Existing Water main Diversion		100%	50 23-Apr-12 A	16-Aug-12 A									
S28N1405	Piling Work (17shp)		100%	60 23-Jul-12 A	19-Sep-12 A									
S28N1409	Pile Cap construction (incl. VO29: revised piling details)		100%	25 03-Oct-12 A	01-Dec-12 A									
S28N1411	Pier Construction		100%	25 11-Dec-12 A	29-Dec-12 A		 		1		1	1		1 1 1
North Abu	tment						! !			1 1 1	1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S28N1422	Existing Water Main Utilities Diversion		100%	30 09-Jul-12 A	30-Aug-12 A		! ! !		1	 	1	1		
S28N1426	Piling Work (24shp)		100%	60 20-Sep-12 A			!					!		
S28N1428	Pile Cap Construction (incl. VO29: revised piling details)		100%	30 26-Nov-12 A										,
S28N1430	Abutment		100%	30 05-Jan-13 A										
S28N1580	Backfilling		100%	20 20-May-13 A										
North Ram					,		 		1	i i i	1	i ! !		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S28N1434	COD: RFI 399 HP Gas Main Clashing with abutment (incl. trail pit excavation)		100%	50 19-Sep-12 A	31-Dec-12 A									<u> </u>
S28N1435	Construction of North Ramp (incl. VO72: revised North & South Ramps Retaining Wall)		100%	148 06-Nov-12 A		D72: revised	: North &	South Ramps Retai	ning Wall)	!		! !		J I I I I I I I I I I I I I I I I I I I
S28N1436	Temporary Work for Excavation		100%	24 06-Nov-12 A	· ·				,	1		! !	;	1 1 1 1 1
S28N1437	Excavation		100%	22 22-Nov-12 A			 			! !	1	! !		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S28N1438	Base Slab		100%	14 31-Dec-12 A			 		1	i ! !	1 1 1	1		
S28N1439	Wing Wall		100%	48 01-Feb-13 A										
S28N1449	Backfilling		100%	20 06-May-13 A			! ! !			 				
	and Finishing		.0070	20 00 may 1071	or dan 1071		! ! !		1			1		
S28N1440	Decking (Bearing, Drainage & MJ included) (incl. VO 40: NLK - Revised Drainage Arrangement for Br		100%	559 27-Jun-11 A	14-May-13 A	included) (in	; ncl VO 40): NLK - Revised Dra	inage Arrai	ngement fo	¦ r¦Bridge De	ck)		
S28N1450	NLK Deck; P4 - P5		100%	75 27-Jun-11 A				. NEK TIEVISEG DI	inage Arrai	gementio	Blidge De			
S28N1460	NLK Deck; P3 - P4		100%	75 26-Oct-11 A	·		; ; 	; 				i 		
S28N1470	NLK Deck; P2 - P3		100%	72 11-May-12 A			 		1	i i i	1 1 1	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S28N1475	Falsework erection of deck: P1 - P2		100%	50 29-Sep-12 A			1 1 1			 				
S28N1480	NLK Deck; P1 - P2		100%	62 06-Nov-12 A			! ! !			 				
	Falsework dismantling of deck: P1 - P2		100%	18 21-Mar-13 A										1
S28N1485	Falsework distriction of deck: South Abutment - P1		100%	25 10-Dec-12 A	-		¦ 							<u> </u>
S28N1490	NLK Deck; South Abutment - P1		100%	60 03-Jan-13 A			! !		1		1	1		1 1
\$28N1484 \$28N1485 \$28N1490 \$28N1495 \$28N1500 \$28N1510	Falsework dismantling of deck: South Abutment - P1		100%	18 15-Apr-13 A		th Abutmen	; t D1		1	1 1 1	1 1 1		!	
S28N1500	NLK Deck; P5 - P6			75 26-Nov-11 A	-	HIT Abutilleli	- - -			 				
S20N 1500	·		100%			_	!		1			1		
S28N1510 S28N1520	NLK Deck; P6 - P7 NLK Deck; P7 - P8		100%	75 16-Jun-12 A			: 							<u> </u>
				75 03-Sep-12 A										
S28N1524	Falsework dismantling of deck: P7 - P8 Falsework erection of deck: P8 - P9		100%	26 07-Jan-13 A					1					
S28N1525			100%	18 29-Oct-12 A		_	 		1	1	1	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S28N1530	NLK Deck; P8 - P9		100%	75 20-Dec-12 A			- - - - -	nd no		 				
S28N1534	Falsework dismantling of deck: P8 - P9		100%	26 23-Apr-13 A		dismantling	νι αeck:	ro - ry 				<u> </u> 		
S28N1535	Falsework erection of deck: P9 - P10		100%	34 10-Dec-12 A			; !					! !]
S28N1540	NLK Deck; P9 - P10	20	100%	65 18-Jan-13 A				L Colo e e	المانية	DO . D40		: ! !	;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S28N1544	Falsework dismantling of deck: P9 - P10	-62	95%	18 20-May-13 A		-	!	Falsework dismar	itiing of decl	k: P9 - P10	1	i ! !		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S28N1545	Falsework erection of deck: P10 - North Abutment		100%	18 17-Jan-13 A			! ! !		1	1 1 1	1	1 1 1	;	, , , , , , , , , , , , , , , , , , ,
S28N1550	NLK Deck; P10 - North Abutment		100%	55 21-Feb-13 A	-		<u></u>					¦		<u> </u>
S28N1554	Falsework dismantling of deck: P10 - North Abutment		100%	18 20-May-13 A		deck: P10 -	North Ab	utment ;		1		1		. I i I I I
S28N1570	Parapet (P3 - P6)		100%	45 03-Dec-12 A	· ·		!			1		!		. I . I . I . I . I . I . I . I . I . I
S28N1660	Parapet (SA - P3 & P6 - NA)		100%	65 28-Feb-13 A		P6 - NA)						! !		1 1 1 1 1
S28N1680	Noise Barriers, Surfacing and Road Lighting		100%	30 10-May-13 A	_	;	;	icing and Road Ligh	ting	1		! !	;	1 1 1
S28N1690	Inspection Handover of NLK Bridge		100%	3 22-Aug-13 A	24-Aug-13 A	Inspection	Handove	r of NLK Bridge	1	1	1	: !		1 1 1

ctivity ID	Activity Name	Total	Activity %	Original Start	Finish	- 2	2013					2014		
		Float	Complete	Duration		44 45		04 16 47	48	Q1 49	50	51	Q2 52	53 5
S28N1700	TTA Stage 9		100%	0 24-Aug-13 A		TTA Stage 9	T			-				
S28N1710	Diversion for modifying kerb and laying asphalt paving road (N/B) reconstruction of 1 lane Stage 1	-48	65%	43 26-Aug-13 A	13-Nov-13	i i		Diversion for	modifying l	erb and la	; aying aspha	it paving r	oad (N/B) red	constructio
S28N1715	Road Construction Works (N/B) C2/C3 interface	-48	35%	43 26-Aug-13 A	27-Nov-13	i	-	Road Co	struction	Works (N	/B) C2/C3 i	terface		
S28N1720	Diversion for removing central barriers Stage 2	-48	40%	40 17-Sep-13 A	27-Dec-13		1		Diversion	for remo	ving centra	barriers S	tage 2	
S28N1730	Diversion for modifying kerb and laying asphalt paving road (S/B) reconstruction of 1 lane Stage 3	-48	0%	40 27-Dec-13	17-Feb-14			1			Diversion fo	r modifying	kerb and la	ying aspha
S28N1735	Road Construction Works (S/B) C2/C3 interface	-48	0%	40 27-Dec-13	17-Feb-14						-¦Rpad Const	ruction Wo	rks (S/B) C2	2/C3 interfa
Ready For	r Pre-Handover Retaining Wall of Section 4							1 1 1	1	1		1		1
HRW0040	Ready For Pre-Handover Retaining Wall W72B, W73 and W74	-26	0%	7 29-Jan-14	08-Feb-14			! ! !		Rea	⊹ ıdv For Pre	⊹ -Hando ver	Retaining W	/all W72B.
Section 5			5,0					1		T				
	0.404							1	1	1		1		
Site Area														
PHSA3120	Possession of SA31 (Day0)		100%	0 26-Feb-10 A				1		1	!	1		!
SA310000	Site Area SA31 Works Period (incl. VO42, VO52, VO59 & VO65)	238	99.32%	884 26-Feb-10 A			i i	e Area SA31 V	i	i)42, VO52,	VO59 & V	Q65)	
SA310010	Site Area SA31 Works Completion	238	0%	0	31-Oct-13		♦ Sit	e Area SA31 V	orks Com	oletion	!	1		!
South Bou	und													
Preliminari	ies and the second seco									1				1
S31S0000	Site Clearance/TTM/Access Rd/Utility Diversion (Incl. Liason and Coordination)		100%	252 26-Feb-10 A	31-Dec-10 A				!					
Roadworks	s, Drainage & Utilities													
Portion 1								1						
S31S4620	Portion 1 - CH 0 to CH 50 (From Hong Lok Yuen Junction to WSD Gate)		100%	146 20-Jun-11 A	16-Mar-13 A	on to WSD Gate)								
S31S4630	Site Clearance		100%	7 20-Jun-11 A	27-Jun-11 A									
S31S4640	Excavation road formation level		100%	50 28-Jun-11 A	25-Aug-11 A							<u> </u>		
S31S4648	Unchartted Towngas / CLP		100%	65 16-Jan-12 A										
S31S4650	Trial Pit for Towngas DN400 HP		100%	14 16-Jan-12 A										
S31S4660	Additional Towngas DN400 HP preparation and materials deliverary		100%	50 06-Feb-12 A				1						
S31S4670	<u> </u>		100%	12 28-Apr-12 A				1						
			100%	65 30-Jul-12 A							-	į		
	UU diversion		100%	67 15-Dec-11 A				1 1 1	1	1	!	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! !
S31S4679	Excavation for UU diversion		100%	20 15-Dec-11 A				1 1 1				1		!
S31S4680				10 25-Apr-12 A				1 1 1	!	1		1		1
53154660	, , , , ,		100%					1 1 1				1		!
S31S4690			100%	17 02-Apr-12 A								ļ 		
\$31\$4700	Additional CLP 132kV (Existing)		100%	22 11-Aug-12 A	_			1				1		1
S31S4710	· · · · · · · · · · · · · · · · · · ·		100%	35 06-Aug-12 A				! ! !				1		
S31S4720	Excavation and DN 600 FW & DN 300 SW		100%	68 28-Jun-11 A				1						
S31S4725	Roadwork		100%	0 15-Oct-12 A		rk		1						!
S31S4730	Footpath & Kerb		100%	30 20-Dec-12 A		h & Kerb				 				
S31S4740	Roadwork		100%	30 15-Oct-12 A	16-Mar-13 A			1						
Portion 3										1				
S31S5000	Portion 3 - New Footpath (CH0 to 175)		100%	165 11-Jun-11 A	15-Jan-13 A			1	!	1	1	1		!
S31S5010	Formation level of footpath		100%	45 04-Jan-12 A	28-Feb-12 A			1		1				
S31S5020	Preparation for footpath & Cycle Track Diversion		100%	7 11-Jun-11 A	18-Jun-11 A									
S31S5025	Unchartted Towngas DN400 HP		100%	178 29-May-12 A	05-Jan-13 A			1				1		
S31S5030	Additional UU works (CLP 132kV & 11kv)		100%	17 10-Oct-12 A	16-Jan-13 A					1		1		
\$31\$4679 \$31\$4680 \$31\$4680 \$31\$4690 \$31\$4700 \$31\$4710 \$31\$4720 \$31\$4725 \$31\$4730 \$31\$4740 Portion 3 \$31\$5000 \$31\$5010 \$31\$5020 \$31\$5025 \$31\$5030 \$31\$5035 \$31\$5040 \$31\$5050	Roadworks		100%	215 07-Sep-12 A	16-Mar-13 A			: ! !	1	1 1 1	1	1		; ; ;
S31S5040	Footpath Sub-base, kerb and concrete surface		100%	17 07-Sep-12 A	30-May-13 A	concrete surface		1	1	1 1 1	1	1		1
S31S5050	CLP Overhead wooden Pole		100%	12 26-Dec-12 A	07-Jan-13 A					 	1	1		
S31S5060	New cycle track formation level		100%	15 28-Nov-12 A	06-Apr-13 A		-1-1		- L		- L	1		
S31S5070	New cycle track (Bitonminous Layer)		100%	10 29-Jan-13 A	25-Apr-13 A			!				1		1

Activity ID		Activity Name	Total	Activity %	Original Start	Finish		2	013					2014		
			Float	Complete	Duration		44	45	Q4 46	47	48	Q1 49	50	51	Q2 52	53
S	S31S5080	New Kerb		100%	7 07-Jan-13 A	23-Apr-13 A		40	40	41	40	45	30	31	32	33
s	S31S5090	Public Lighting & TCSS Ductings (incl. VO 77 Provision of cable duct for power supply)		100%	7 06-Oct-12 A	23-Apr-13 A	77 Provis	ion of cab	e duct for po	; dwer sup	ply)		1			
S	S31S5100	New public lightings poles		100%	15 17-Apr-13 A	20-Apr-13 A							1			
s	S31S5110	Reconstruction carriageway		100%	7 05-Mar-13 A	20-Apr-13 A										
s	S31S5120	Traffic Lights	192	0%	5 26-Oct-13	31-Oct-13			Traffic L	ights		1 1 1	1 1 1			
S	S31S5130	Roadworks (Other area not affected by towngas)		100%	60 21-May-12 A	A 16-Mar-13 A			1		1		1			
S	S31S5132	Roadworks (Remaining area affected by towngas)		100%	19 26-Dec-12 A	A 15-Jan-13 A							1			
Po	ortion 2										1		1 1 1			
S	S31S4750	Portion 2 - CH 50 to 80 (From WSD Gate to Hong Lok Yuen)		100%	108 20-Jun-11 A	29-Jul-13 A	2 - CH 50 t	o 80 (Fror	n WSD Gate	e to Hong	Lok Yuen)					
S	S31S4760	Site clearance		100%	7 20-Jun-11 A	27-Jun-11 A					1		1			
S	S31S4765	UU Diversion		100%	82 28-Mar-12 A	05-Oct-12 A							1			
S	S31S4766	Slopeworks S45A		100%	18 28-Mar-12 A	21-Apr-12 A							1			
S	S31S4770	Additional CLP 132kV (New Lay & clashing with existing)		100%	45 25-Apr-12 A	18-Jun-12 A							1			
S	S31S4780	Additional CLP 11kV New Lay (Ducting & Cabling and Tie-in)		100%	46 19-Jun-12 A	27-Jul-12 A							 			1
S	S31S4790	UU works (HKBN & New Lay HGC)		100%	12 27-Aug-12 A	A 05-Oct-12 A						 	1 1 1			
S	S31S4800	Footpath & kerb and Diversion of footpath		100%	15 10-Sep-12 A	A 29-Jul-13 A	h & kerb ar	nd Diversio	n of footpat	h	1 1 1	1	1			
S	S31S4810	Roadwork		100%	21 25-Oct-12 A	25-Feb-13 A					1		1			
Ro	oadworks,	Drainage & Utilities											1			
S	S31S4820	Eastbound Roadworks		100%	50 07-Jan-13 A	08-Apr-13 A										
S	S31S4830	Westbound Roadworks		100%	50 17-Jan-13 A	20-Apr-13 A					1	1 1 1	1 1 1			
Sect	tion 7										1		1			
	Area S	Δ41											1			
		Possession of SA41 (Day0)		100%	0 26-Feb-10 <i>F</i>	<u> </u>					1 1 1	1 1 1	1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Site Area SA41 Works Period	16	85.58%	1581 26-Feb-10 A					<u> </u>						Site A
		Site Area SA41 Works Completion	16	0%	0	10-Jun-14							1			♦ Site #
		Site Office			-								1			
		Site Clearance / TTM		100%	60 26-Feb-10 A	12-May-10 A			1		1 1 1	1 1 1	1 1 1			1 1 1
		Construction of ER & Contractor's Office (incl. VO 24: Office Renovation)		100%		A 12-May-10 A						 	1 1 1			
		Temp Warehouse, Fabrication & Equip Yard	15	90%	1419 13-May-10 A					<u> </u>				mp Wareho	use. Fabri	ication & Ep
		Dismantle of ER & Contractor's Office	14	0%	68 17-Mar-14	10-Jun-14								1		Dism
		A42 (Core Storage & Works Area)									1	1	1	1 1		
		Possession of SA42 (Day0)	i	100%	0 26-Feb-10 <i>A</i>				 		1 1 1	1	1 1 1			1 1 1 1 1 1
		Site Area SA42 Works Period	0	84.63%	1581 26-Feb-10 A						1 1 1	1 1 1 1	1 1 1 1			<u> </u>
		Site Area SA42 Works Completion	0	0%	0	25-Jun-14*							- - - !			♦
			U	0 /8	0	25-5011-14							1			~
	Area S			4000/	0 04 May 40	<u> </u>			1		1	1	1 1 1 1			
		Possession of SA43 (Day90)	•	100%	0 04-May-10 A							1 1 1	1 1 1 1			
		Site Area SA43 Works Period	0	83.71%	1492 04-May-10 A								1			
		Site Area SA43 Works Completion	0	0%	0	25-Jun-14*							.}			♦
		Production Area			· · · · · · · · · · · · · · · · ·						1		1			
		Site Clearance		100%	59 27-May-10 A	-					1	1 1 1	1 1 1			
		Site Clearance (Mulching Office Area)		100%	45 27-May-10 A							1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
		Site Clearance (Wood Storage Area)		100%	45 12-Jun-10 A	-						 	1			
		Construction of Mulching Production Yard		100%	60 06-Aug-10 A			-	 				(h			100
	1G050	Temp Warehouse, Fabrication & Equip Yard (Site allcated for period till 8 May 2012): Expected prod	244	100%	1260 13-Sep-10 A			1	i emp Wa	arenouse,	-abrication	ı & ⊑quip \	ard (Site a	ucated for p	eriod till 8	May 2012)
		Mulching Production Phase 1 (45m3)		100%	63 13-Sep-10 A						1	1 1 1	1 1 1			
		Mulching Production Phase 2 (45m3) (incl. VO16, VO 18)		100%	63 21-Dec-10 A							1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
C/1	1G080	Mulching Production Phase 3 (45m3)		100%	63 20-Feb-11 <i>A</i>	4 24-Apr-11 A	1:	1		1	!	1	1	1		[]

0 26-Feb-10 A

0 27-May-10 A 0 26-Feb-10 A

0 20-Oct-10 A

100%

100%

100%

100%

S26G7000

S27G7000

S28G7000

S29G7000

Tentative Start Date for SA26 Route Maintenance Works

Tentative Start Date for SA27 Route Maintenance Works

Tentative Start Date for SA28 Route Maintenance Works

Tentative Start Date for SA29 Route Maintenance Works

A	44				1			112					014		
Activity ID	Activity Name	Total Float		Original Start Duration	Finish			013 Q4			Q1		014	Q2	Q
S30AG700	Tentative Start Date for SA30A Route Maintenance Works		100%	0 25-Aug-10 A		44	45	46	47	48	49	50	51	52	53 54
S30G7000	Tentative Start Date for SA30 Route Maintenance Works		100%	0 26-Feb-10 A			 	 			1	! ! ! !			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S31G7000	Tentative Start Date for SA31 Route Maintenance Works		100%	0 26-Feb-10 A		-					!				
			100 /6	0 20-1 eb-10 A			1	1		1					
	(Subject to Excision and Instruct by Engineer within 819 days)						1								
General						<u> </u>		- 7	ļ			i 			
SC150025	Validity Period		100%	819 25-Feb-10 A		□ Validity	;	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	! ! ! !			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SC150030	Latest Date for the Engineer to Issue EI		100%	0	31-Aug-13 A	♦ Latest D	ate for th	e Engineer	b Issue EI		 				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Site Area S	SA28 & SA30) 	 	1		!) 			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PHSA2840	Possession of SA28 & SA30		100%	0 26-Feb-10 A			1	1 1 1		1	1	1			
SA280005	Site Area SA28 Works Period		100%	0 24-May-12 A	31-Aug-13 A	Site Are	a SA28 V	orks Period	d						
SA280020	Site Area SA28 & SA30 Works Completion		100%	0	31-Aug-13 A	Site Are	a SA28 &	SA30 Wor	ks Comple	tion					
All Area							-	1		1	i i i				
Preliminari	es						1 1 1	 		1	1 1 1				
S28N1000	Site Clearance/TTM/Access Rd/Utility Diversion		100%	45 24-May-12 A	26-Sep-13 A	<u> </u>	Site Cle	ara nce/TTM	Access Rd	Utility Dive	ersion	1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Site Area S	SA30A						1								
PHSA30A5	Possession of SA30A		100%	0 27-Jul-10 A							<u>-</u>				
SA30A005	Site Area SA30A Works Period		100%	155 23-May-12 A	31-Aug-13 A	Site Are	a SA30A	Works Perio	od		1	1			
SA30A020	Site Area SA30A Works Completion		100%	0	31-Aug-13 A	Site Are	i	į.	į.						
North Bou					3 3		1								
Preliminari							1	1 1 1		1	i i i	i i			
S30AN100	Site Clearance/TTM/Access Rd/Utility Diversion		100%	75 14-May-12 A	23-May-12 Δ		i 		- - -	i 	 	i 			
	s, Drainage & Utilities		10070	75 14 May 12 A	20 May 12 A		1	 	1		1	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;			1 1 1 1 1 1 1 1
S30AN415	Section 17 subject to Excision Works Instruction date (Trunk Sewer Line)		100%	245 23-May-12 A	20-Sen-13 A		 Section 17	subject to I	¦ Pycision W	¦ Arke Inetnic	tion date	Trunk Sov	verline)		
S30AN420	Issung of latest design drawing		100%	75 24-May-12 A	·	- :			LACISION VV		l	trank oc v	ici Lillo)		
S30AN430	Procurement & delivery of Trunk Sewer pipe (Stage 1)		100%	75 06-Sep-12 A	·										
S30AN440	Design clarification period		100%	60 06-Sep-12 A	-	clarification	poriod					; 			
COOANIAFO	Procurement & delivery of Trunk Sewer pipe (Stage 2)					ment & del	ï	auble Cower	nino (Stag	2)	i i i				
S30AN450	Underground Utilities cable detection before ELS works		100%	75 01-Nov-12 A 60 17-Aug-12 A		- Hillerit & dei	¦	LIK Sewei	pipe (Stage	= <i><)</i>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S30AN470	Gravity Sewer Line STS10_170 to 160 (22m Long)		100%	90 05-Dec-12 A	_	_	1					! ! !			
S30AN470	_ , _ ,		100%	75 05-Dec-12 A			1	1 1 1		1	1	1			
S30AN400	M/H 170 and M/H160 construction (6m depth)		100%	60 05-Dec-12 A		<u> </u>									
S30AN490	Pipe laying and concrete surround works					-									
S30AN500	Backfilling (2 Layers + Temp fill) Cravity Source Line STS10, 160 to 150 (40m Long)		100%	30 08-Jan-13 A			- Crovity S	i Number Line C	; TC10_160	to 150 (40n	d Long)	! ! ! !			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S30AN510 S30AN520	Gravity Sewer Line STS10_160 to 150 (40m Long) M/H150 construction (5m depth)		100%	95 27-Feb-13 A 40 27-Feb-13 A	·		uravity St	ewer Line S	1310_100	 - 	Long)	1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
\$30AN450 \$30AN460 \$30AN470 \$30AN480 \$30AN500 \$30AN510 \$30AN520 \$30AN520 \$30AN550 \$30AN550 \$30AN550 \$30AN550 \$30AN560 \$30AN560 \$30AN580 \$30AN580 \$30AN600 \$30AN600	Pipe laying and concrete surround works (Stage 1)			25 18-Mar-13 A		ks (Stage 1)									
SOUANDOU COUNTERO	, , ,		100%				'; 								
\$30AN540	Construction of Temporary Access for Villager		100%	8 30-Apr-13 A	-	for Villager	o Louiss	and concret	o works (C	tnac 2)	1				
S30AN550	Pipe Laying and concrete works (Stage 2)		100%	21 13-May-13 A	· ·		1	1	1	.ay€ ∠)	1	, ,			
S30AN560	Backfilling (15 Layers) Cravity Source Line STS10, 120 to 120 (41m Long)		100%	8 27-Jul-13 A			□ackillin(¦	(15 Layers	· /	1	1 1 1				
S30AN570	Gravity Sewer Line STS10_120 to 130 (41m Long)		100%	120 17-Sep-12 A			1 1 1	 	1	1	1 1 1	1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S30AN580	M/H 120 and M/H130 construction (3.5m & 4m depth)		100%	70 24-Sep-12 A			-		ļ	<u> </u>	 	 			<u> </u>
S30AN585	Pipe Laying & concrete surround works		100%	30 14-Nov-12 A			1				1				
S30AN590	Backfilling (15 Layers)		100%	20 21-Nov-12 A											
S30AN600	Gravity Sewer Line STS10_130 to 140 (40m Long)		100%	88 08-Jan-13 A			: !	1			1				
S30AN610	M/H 140 construction (4.5m depth)		100%	40 08-Jan-13 A			: ! !				1				
S30AN620	Pipe Laying & concrete Surround works		100%	40 14-Jan-13 A			; -}		; 	<u> </u>	<u> </u> 	: 			<u> </u>
	Backfilling (12 Layers)		100%	25 01-Mar-13 A			1 1 1	 	1	1	1 1 1				
S30AN640	Gravity Sewer Line STS10_140 to 150 (38m Long)		100%	80 28-Feb-13 A	18-May-13 A	o 150 (38m	Ļong)		1	1	1				
						·									

Activity ID	Activity Name	Total	Activity %	Original	Start	Finish		20	013					2014		
,		Float	Complete	Duration					Q4			Q1			Q2	
			·				44	45	46	47	48	49	50	51	52	53
S30AN	Pipe Laying and concrete surround works		100%	50	28-Feb-13 A	18-Mar-13 A						1 1 1	1		1	
\$30AN \$30AN \$30AN \$30AN \$30AN \$30AN \$30AN \$30AN \$30AN \$30AN \$30AN \$30AN \$30AN	Backfilling (15 Layers)		100%	30	22-Mar-13 A	18-May-13 A						 	1 1 1		1	1
S30AN	Gravity Sewer Line STS10_120 to 110 (33m Long)		100%	205	03-Aug-12 A	17-Nov-12 A						 	1 1 1		1	1
S30AN	M/H 110 construction (2.7m depth)		100%	30	03-Aug-12 A	15-Sep-12 A					L	/ ! !	 			
S30AN	Pipe laying and concrete surround works		100%	40	06-Oct-12 A	26-Oct-12 A			1			 	1		1	
S30AN	700 Backfilling (9 Layers)		100%	20	01-Nov-12 A	17-Nov-12 A						! ! !				
S30AN	Gravity Sewer Line STS10_100 to 105a (56.5m Long)		100%	75	03-Aug-12 A	15-Dec-12 A						! ! !	1			
S30AN	720 M/ H 100, M/ H 105 and M/ H 105a construction (2.5m depth)		100%	45	03-Aug-12 A	27-Jun-13 A	and M/ H	105a cons	truction (2.5	m depth)		 	1 1 1		1	
S30AN	730 Pipe Laying and concrete surround works		100%	50	17-Sep-12 A	06-Oct-12 A	1					/ ! !	 			
S30AN	740 Construction of temporary access for Villager		100%	30	08-Oct-12 A	22-Oct-12 A						 	1			
S30AN	750 Backfilling (5 Layers)		100%	25	24-Oct-12 A	15-Dec-12 A						 				
S30AN	760 Gravity Sewer Line STS10_105a to 110 and STS10_105 to STS10_105a		100%	8	24-Jun-13 A	13-Aug-13 A	avity Sewe	r Line STS	10_105a to	110 and ST	S10_105 t	b STS10_	105a			
S30AN	Modification of existing DN2200 valve chamber		100%	1	09-Sep-13 A	17-Sep-13 A		10dification	of existing	DN2200 va	lve chamb	er	1 1 1	1	1	
S30AN	Pipe Laying and concrete surround works (2.5m depth)		100%	26	24-Jun-13 A	05-Aug-13 A	Laying and	¢oncrete	surround wo	rks (2.5m d	lepth)	! ! !	 		1	
S30AN	790 Backfilling (7 Layers)		100%	7	06-Aug-13 A	13-Aug-13 A	ckfilling (7	Layers)	1			1 1 1	1		1	1

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
Air Quality during	• Restricting heights from which materials are dropped, as far as practicable to minimize the fugitive dust arising from unloading/loading.	During construction	V
Construction	• All stockpiles of excavated materials or spoil of more than 50m ³ shall be enclosed, covered or dampened during dry or windy conditions.		V
	• Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas.		V
	All spraying of materials and surfaces shall avoid excessive water usage.		V
	• Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards.		V
	Materials shall be dampened, if necessary, before transportation.		V
	• Travelling speeds shall be controlled to reduce traffic induced dust dispersion and resuspension within the site from the operating haul trucks.		V
	Vehicle washing facilities shall be provided to minimize the quantity of material deposited on public roads.		@

Noise - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status
Noise during	Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant.	During	V
Construction	Reduce the number of equipment and their percentage on-time.	construction	V
	• 3.5 m and 5.5 m high temporary noise barrier at culvert construction work area (Figure 2a of the Environmental Permit).		V
	• 3 m high temporary noise barrier along the northern edge of Bridge 12 at ground level (Figure 2b of the Environmental Permit).		V
	• 2 m high temporary noise barrier along the northern edge of Bridge 12 at bridge level (Figure 2b of the Environmental Permit).		In progress
	• 2.5 m high temporary noise barrier along Tai Wo Service Road West (Figure 2c of the Environmental Permit).		V
	3.5m high temporary noise barrier along Tai Wo Services Road West near Tai Hang (Figure2c of the Environmental Permit).		In progress

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Water Quality - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status	
Water quality	Demolition and reconstruction of bridges	During		
during	Prevent off-site migration through use of sheet piles.	construction	V	
Construction	Minimize duration of works as far as practical.	1	V	
	• All sewer and drainage connections should be sealed to prevent debris, soil, sand, etc, from entering public sewers/drains.		V	
	• Site surface runoff should be settled to remove sand/silt before it is discharged into the existing storm drains.		V	
	River training works			
	Inspection and testing of water quality in the nullah on the Tai Po River.		N/A	
	Road Widening Works and Earthworks			
	 Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul sewers, after the removal of settable 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
	Sand traps, oil interceptors and other pollution prevention installations should be provided, properly cleaned and maintained.		V	
	• 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	
	• Regular inspections of stilling basins and/or silt traps are required to ensure that sediment is not conveyed into the existing drainage system.		V	
	Open stockpiles should be covered with a tarpaulin cover.]	V	
	• During the wet season, any exposed top soils should be covered with a tarpaulin, shotcreted or hydroseeded.		V	
	• Sand and silt from wash-water from vehicle washing should be settled out before discharging into storm drains.		V	
	Fuels should be stored in bunded areas such that spillage can be easily collected.		V	

Waste - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status
Waste	General Waste	During	
Management	Transport of wastes off site as soon as possible.	construction	@
during	Maintenance of accurate waste records		V
Construction	Minimization of waste generation for disposal (via reduction/recycling/re-use).		V
	No on-site burning will be permitted.		V
	Use of re-useable metal hoardings/signboards.		V
	Vegetation from site clearance		
	Segregation of materials to facilitate disposal.		V
	 Mulching to reduce bulk and where possible review opportunities for the possible beneficial use within landscaping areas. 		V
	Demolition Wastes		
	Segregation of materials to facilitate disposal.		V

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

Ecology - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status
Ecology	Accurate Delineation of Works Area	During	
during Construction	• Boundaries of proposed works areas shall be clearly identified and separated from external areas by a physical barrier to prevent encroachment of adjacent habitats.	construction	V
	• Individual trees which fall within the works areas but which work plans show do not require removal are to be retained and fenced off to maximize protection.		V
	Vegetation Clearance		
	 No fires shall be lit within the works area for the purpose of burning cleared vegetation. 		V
	• The Contractor shall give consideration to mulching the cleared vegetation for recycling within the works area /		V

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adjacent land.	
Dust generation	
Vehicle washing facilities to be provided at every discernible or designated vehicle exit point;	V
All temporary site access roads shall be sprayed with water to suppress dust as necessary;	V
All dusty materials should be sprayed with water immediately prior to any handling; and	V
All debris should be covered entirely by impervious sheeting or stored in a sheltered debris collection area.	V
Surface Run-off	
Bund and cover stockpiles to avoid run-off;	V
Channel any run-off through a system of oil, grease and sediment / silt traps and reuse water on site where ever practical;	V
All vehicle maintenance to be undertaken within a bunded area; and	N/A
Maximize vegetation retention on-site to maximize absorption (minimize transport).	V

Landscape and Visual Impact - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status
Landscape	Preservation of Existing Vegetation	During	
and Visual	Trees identified for retention within the project limit would be protected during the works	construction	V
Impact	• The tree transplanting and planting works shall be implemented by approved Landscape Contractors		V
during	Temporary Works Areas		
Construction	 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
	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
	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
	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

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.

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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 μg/m3	500 μg/m3
AM2	301.9 μg/m3	500 μg/m3
AM3	301.9 μg/m3	500 μg/m3
AM4A	302.3 μg/m3	500 μg/m3

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

Location	Action Level	Limit Level
AM1A	176.6 μg/m3	260 μg/m3
AM2	178.6 μg/m3	260 μg/m3
AM3	193.1 μg/m3	260 μg/m3
AM4A	198.5 μg/m3	260 μg/m3

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

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

Station	Sheung Wun Yiu	(AM1A)		Operator:	Gary	Choi	
Cal. Date:	18-Sep-13			Next Due Date:	18-N	ov-13	
Equipment No.:	A-001-53T			Serial No.	102	216	
			Ambient	t Condition			
Temperatu	re, Ta (K)	302	Pressure,	Pa (mmHg)		755.0	PHOMAS - FEE IN
			Orifice Transfer S	tandard Information	on		
Serial	l No:	843	Slope, mc	1.99238	Interce	ept, bc	-0.00351
Last Calibra	ation Date:	6-Dec-12		mc x Qstd + bc	= [DH x (Pa/760) x	(298/Ta)] ^{1/2}	
Next Calibra	ation Date:	6-Dec-13		Qstd = {[DH x (Pa/760) x (298/Ta)]	^{1/2} -bc} / mc	
			Calibration of	of TSP Sampler			
		(Orfice	or outriples	HVS	S Flow Recorder	No. of State State
Resistance Plate No.	DH (orifice), in. of water		60) x (298/Ta)] ^{1/2}	Qstd (m³/min) X -	Flow Recorder Reading (CFM)	Continuous Flow Reading IC (CFI	
18	8.9		2.95	1.48	46.0	45.54	
13	6.3		2.49	1.25	38.0	37.62	
10	4.5		2.10	1.06	32.0	31.68	
7	3.6		1.88	0.94	27.0	26.73	
5	2.3		1.50	0.76	20.0	19.80	
By Linear Regre Slope , mw = Correlation Coef *If Correlation Co	35.2147 fficient* =		9972 brate.	Intercept, bw =	-6.3	839	
			Set Point	Calculation			
From the TSP Fie	eld Calibration Cu	rve, take Qstd =					
From the Regress							
		mw	x Qstd + bw = IC	x [(Pa/760) x (298/Л	Γa)] ^{1/2}		
Therefore, Set Po	oint; IC = (mw x C	Qstd + bw) x [(7	60 / Pa) x (Ta / 29	98)] ^{1/2} =		39.79	e.
		8					
Remarks:	****	4, 1, 2, 200 July 100	i Santa				
9			***	2 300 30 13 73 16 162 183			
QC Reviewer:	WS CHA	N	Signature:	21		Date: 79/0	9/13

Station	Shan Tong New	Village (AM2)		Operator:	Choi W	ing Ho
Cal. Date:	23-Aug-13			Next Due Date:	23-00	ct-13
Equipment No.:	A-001-29T			Serial No.	102	202
	*			•		
			Ambient	Condition		
Temperatu	re, Ta (K)	301	Pressure, F	Pa (mmHg)		748.3
				tandard Information	n Interce	ept, bc 0.02332
Serial		988	Slope, mc		= [DH x (Pa/760) x	
Last Calibra		20-May-13	×		– [DH X (Pai760) X Pai760) x (298/Ta)] ¹	
Next Calibra	ation Date:	20-May-14		Qsta = {[Dh x (i	Pairou) X (29011a)]	-DC) / IIIC
			Calibration of	of TSP Sampler		
		(Orfice		HVS	S Flow Recorder
Resistance Plate No.	DH (orifice), in. of water	[DH x (Pa/7	60) x (298/Ta)] ^{1/2}	Qstd (m³/min) X -	Flow Recorder Reading (CFM)	Continuous Flow Recorder Reading IC (CFM) Y-axis
18	8.7		2.91	1.48	47.0	46.40
13	6.8		2.57	1.31	40.0	39.49
10	5.2		2.25	1.14	34.0	33.57
7	3.8		1.92	0.98	27.0	26.66
5	2.6		1.59	0.81	22.0	21.72
Slope , mw = Correlation Coe	36.8110 officient* = 0.990,	0	.9972 ibrate.	Intercept, bw =	-8.5	424
			0-4 P-374	O-lawletien		
From the TSD Fi	eld Calibration Cu	rve_take Ostd =		Calculation		
	ssion Equation, th					
rom are regree	olon Equation, a.		. = 9			
		mv	x Qstd + bw = IC	x [(Pa/760) x (298/	Ta)] ^{1/2}	
Therefore, Set P	oint; IC = (mw x	Qstd + bw) x [(7	760 / Pa) x (Ta / 29	98)] ^{1/2} =		39.82
¥1)						
Remarks:						
				X		1 -
QC Reviewer: _	WS CH	AN	Signature:	PI		Date: 26/8/13

Next Due Date: 22-Dec-13	Station	Shan Tong New	Village (AM2)		Operator:	Choi W	ing Ho
Ambient Condition Temperature, Ta (K) 297.8 Pressure, Pa (mmHg) 760.0					Next Due Date:	22-De	ec-13
Serial No: 988 Slope, mc 1.94727 Intercept, bc 0.023	quipment No.:	A-001-29T			Serial No.	102	02
Serial No: 988 Slope, mc 1.94727 Intercept, bc 0.023				Ambient	Condition		
Serial No: 988 Slope, mc 1.94727 Intercept, bc 0.023	Temperatu	re, Ta (K)	297.8	Pressure, F	Pa (mmHg)		760.0
Serial No: 988 Slope, mc 1.94727 Intercept, bc 0.023		, , ,					
Last Calibration Date: 20-May-13 mc x Qstd + bc = [DH x (Pa/760) x (298/Ta)] 1/2 Qstd = {[DH x (Pa/760) x (298/Ta)] 1/2 - bc} / mc				Orifice Transfer S	tandard Informatio		
Next Calibration Date: 20-May-14 Qstd = {[DH x (Pa/760) x (298/Ta)]}^{1/2} -bc} / mc	Serial	No:	988	Slope, mc	and the state of t		
Calibration of TSP Sampler	Last Calibra	ition Date:	20-May-13				
Note	Next Calibra	ation Date:	20-May-14		Qstd = {[DH x (F	Pa/760) x (298/Ta)]	^{1/2} -bc} / mc
Note		W. W.		Calibration	of TSD Sampler		
Resistance Plate No. DH (orifice), in. of water [DH x (Pa/760) x (298/Ta)] ^{1/2} Qstd (m³/min) X Flow Recorder Reading IC (CFM) Y-ax					13F Samplei	HV:	S Flow Recorder
Plate No. DH (orffice), in. of water	Resistance			THE			
13 6.7 2.59 1.32 39.0 39.01 10 5.3 2.30 1.17 35.0 35.01 7 3.7 1.92 0.98 28.0 28.01 5 2.6 1.61 0.82 22.0 22.01 By Linear Regression of Y on X Slope , mw = 34.0930 Intercept, bw = -5.4880 Correlation Coefficient* = 0.9980 "If Correlation Coefficient < 0.990, check and recalibrate. Set Point Calculation From the TSP Field Calibration Curve, take Qstd = 1.30m³/min From the Regression Equation, the "Y" value according to mw x Qstd + bw = IC x [(Pa/760) x (298/Ta)] ^{1/2}	ACIDI CVENCOM MARKA VIDICIONIO	100000	[DH x (Pa/7	60) x (298/Ta)] ^{1/2}	2		Reading IC (CFM) Y-axis
10 5.3 2.30 1.17 35.0 35.01 7 3.7 1.92 0.98 28.0 28.01 5 2.6 1.61 0.82 22.0 22.01 By Linear Regression of Y on X Slope , mw = 34.0930 Intercept, bw = -5.4880 Correlation Coefficient* = 0.9980 "If Correlation Coefficient < 0.990, check and recalibrate. Set Point Calculation From the TSP Field Calibration Curve, take Qstd = 1.30m³/min From the Regression Equation, the "Y" value according to mw x Qstd + bw = IC x [(Pa/760) x (298/Ta)] ^{1/2}	18	8.8		2.97	1.51	46.0	46.02
10	MENS	6.7		2.59	1.32	39.0	39.01
7 3.7 1.92 0.98 28.0 28.01 5 2.6 1.61 0.82 22.0 22.01 By Linear Regression of Y on X Slope , mw = 34.0930 Intercept, bw = -5.4880 Correlation Coefficient* = 0.9980 From the TSP Field Calibration Curve, take Qstd = 1.30m³/min From the Regression Equation, the "Y" value according to mw x Qstd + bw = IC x [(Pa/760) x (298/Ta)] 1/2		5.3		2.30	1.17	35.0	35.01
By Linear Regression of Y on X Slope , mw = 34.0930				1.92	0.98	28.0	28.01
By Linear Regression of Y on X Slope , mw = 34.0930				1.61	0.82	22.0	22.01
From the TSP Field Calibration Curve, take Qstd = 1.30m³/min From the Regression Equation, the "Y" value according to mw x Qstd + bw = IC x [(Pa/760) x (298/Ta)] ^{1/2}	Slope , mw = Correlation Coe	34.0930 fficient* =	0.		Intercept, bw =	-5.4	1880
From the TSP Field Calibration Curve, take Qstd = 1.30m³/min From the Regression Equation, the "Y" value according to mw x Qstd + bw = IC x [(Pa/760) x (298/Ta)] ^{1/2}				Set Point	Calculation		
From the Regression Equation, the "Y" value according to $mw \times Qstd + bw = IC \times [(Pa/760) \times (298/Ta)]^{1/2}$	From the TCD Ei	eld Calibration C	urve_take Ostd =		. outoutation		
mw x Qstd + bw = IC x $[(Pa/760) \times (298/Ta)]^{1/2}$							
	rioili ille Regies	Sion Equation, th	ic i value accoi	ding to			
Therefore, Set Point; IC = (mw x Qstd + bw) x [(760 / Pa) x (Ta / 298)] ^{1/2} =			mw	x Qstd + bw = IC	x [(Pa/760) x (298/	Ta)] ^{1/2}	
Therefore, Set Point; IC = (mw x Qstd + bw) x [(760 / Pa) x (Ta / 298)] ^{1/2} = 38.82							
	Therefore, Set P	oint; IC = (mw x	Qstd + bw) x [(7	60 / Pa) x (Ta / 2	98)] ^{1/2} =		38.82
	Pomarke:						
Remarks:	Normania.						
Remarks:					1		
Remarks:					n l		Date: 13. 01.15

QC Reviewer: K. M. SIEK

Station	Riverain Bayside	e (AM3)		Operator:	Choi W	ing Ho	
Cal. Date:	23-Aug-13			Next Due Date:	23-00	ot-13	
quipment No.:	A-001-69T			Serial No.	71	6	
	*		and the second				
				Condition	F. 1		
Temperatu	re, Ta (K)	301	Pressure,	Pa (mmHg)		748.3	
			Orifice Transfer C	tandard Information			
Carial	I Na.	988	Slope, mc	1.94727	Interce	ent bc	0.02332
Serial Last Calibra		20-May-13	Siope, mo		= [DH x (Pa/760) x		
Next Calibra		20-May-13	-		Pa/760) x (298/Ta)]		
Next Calibra	allon Date.	20-1vlay-14		QStu - [[DITX (I	(LOO, X (LOO, 14)]	DOJ 7 III O	
			Calibration of	of TSP Sampler			
		(Orfice		HVS	S Flow Recorder	
Resistance Plate No.	DH (orifice), in. of water	[DH x (Pa/7	60) x (298/Ta)] ^{1/2}	Qstd (m³/min) X · axis	Flow Recorder Reading (CFM)	Continuous Flow Re Reading IC (CFM)	
18	8.6		2.90	1.47	45.0	44.43	***************************************
13	7.3		2.67	1.36	41.0	40.48	
10	5.6		2.34	1.19	35.0	34.56	6
7	4.2		2.02	1.03	29.0	28.63	
5	3.1		1.74	0.88	22.0	21.72	
Slope , mw = Correlation Coe			. 9957 ibrate.	Intercept, bw =	-10.	7541	
			Set Point	Calculation			
From the TSP Fi	eld Calibration C	urve, take Qstd =					
		ne "Y" value accor					
•							
		mw	v x Qstd + bw = IC	x [(Pa/760) x (298/	Ta)] ^{1/2}		
TI (0.15	N-1-1-10 - /	Ootd bw \ v [/ "	760 / Do) v / To / 2	00 \11/2_		38.77	
Therefore, Set P	oint; IC = (mw x	QStd + DW) X [(/	760 / Pa) x (Ta / 2	90)] -		30.11	
		_		_			
Remarks							
Remarks:			70.00				
Remarks:						Date: <u>26/8/</u>	

	Riverain Bayside	(AM3)		Operator:	Choi W	ing Ho
cal. Date:	22-Oct-13			Next Due Date:	22-De	ec-13
quipment No.:	A-001-69T			Serial No.	71	6
			Ambient	Condition		
Temperatur	re, Ta (K)	297.8	Pressure, I	Pa (mmHg)		760.0
				12		
			Orifice Transfer S	tandard Informatio		
Serial	No:	988	Slope, mc	1.94727	Interce	·
Last Calibra	ation Date:	20-May-13		mc x Qstd + bc	= [DH x (Pa/760) x	(298/Ta)] ^{1/2}
Next Calibra	ation Date:	20-May-14		Qstd = {[DH x (F	Pa/760) x (298/Ta)]	^{1/2} -bc} / mc
		+		of TSP Sampler	10.4	N Flore December
Desistance			Orfice		HVS	S Flow Recorder
Resistance Plate No.	DH (orifice), in. of water	[DH x (Pa/7)	60) x (298/Ta)] ^{1/2}	Qstd (m³/min) X - axis	Flow Recorder Reading (CFM)	Continuous Flow Record Reading IC (CFM) Y-a
18	9.0		3.00	1.53	48.0	48.02
13	7.4		2.72	1.39	42.0	42.01
10	5.6		2.37	1.20	35.0	35.01
7	4.0		2.00	1.02	26.0	26.01
5	3.0		1.73	0.88	21.0	21.01
By Linear Regre Slope , mw = Correlation Coef *If Correlation Co	41.9095 fficient* =	_	9986 brate.	Intercept, bw =	-15.9	9768
			Set Point	Calculation		
From the TSP Fie	eld Calibration C	urve, take Qstd =		Calculation		
		urve, take Qstd =	1.30m ³ /min	Calculation		
		urve, take Qstd = ne "Y" value accor	1.30m ³ /min	Calculation		
		ne "Y" value accor	1.30m³/min rding to	: Calculation x [(Pa/760) x (298/	Ta)] ^{1/2}	
From the Regres	ssion Equation, th	ne "Y" value accor mw	1.30m ³ /min rding to $x = 1$ C	x [(Pa/760) x (298/	Ta)] ^{1/2}	20.40
From the Regres	ssion Equation, th	ne "Y" value accor mw	1.30m³/min rding to	x [(Pa/760) x (298/	Ta)] ^{1/2}	38.49
From the Regres	ssion Equation, th	ne "Y" value accor mw	1.30m ³ /min rding to $x = 1$ C	x [(Pa/760) x (298/	Ta)] ^{1/2}	38.49
From the Regres	ssion Equation, th	ne "Y" value accor mw	1.30m ³ /min rding to $x = 1$ C	x [(Pa/760) x (298/	Ta)] ^{1/2}	38.49
From the Regres	ssion Equation, th	ne "Y" value accor mw	1.30m ³ /min rding to $x = 1$ C	x [(Pa/760) x (298/	Ta)] ^{1/2}	38.49
From the Regres Therefore, Set Po	ssion Equation, th	ne "Y" value accor mw	1.30m ³ /min rding to $x = 1$ C	x [(Pa/760) x (298/	Ta)] ^{1/2}	38.49
From the Regres	ssion Equation, th	ne "Y" value accor mw	1.30m ³ /min rding to $x = 1$ C	x [(Pa/760) x (298/	Ta)] ^{1/2}	38.49

Station	168 Shek Kwu L	ung Village (AM4	A)	Operator:	Gary	Choi		
Cal. Date:	18-Sep-13			Next Due Date:	18-N	ov-13		
Equipment No.:	A-001-70T			Serial No.	103			
			Ambient	Condition				
Temperatu	ire, Ta (K)	302	Pressure,	Pa (mmHg)		755.0		
			Orifice Transfer S	tandard Information	on			
Seria	l No:	843	Slope, mc	1.99238		ept, bc	-0.00351	
Last Calibration Date:		6-Dec-12			= [DH x (Pa/760) x			
Next Calibra	ation Date:	6-Dec-13		Qstd = {[DH x (Pa/760) x (298/Ta)]	^{1/2} -bc} / mc		
10 to 10 to			Calibration of	of TSP Sampler				
		C	Orfice	7 TOI Gamplei	HV	S Flow Recorder		
Resistance		T		2				
Plate No.	DH (orifice), in. of water	[DH x (Pa/760) x (298/Ta)] ^{1/2}		Qstd (m³/min) X - axis	Flow Recorder Reading (CFM)	Continuous Flow Reading IC (CFI		
18	9.0	2.97		1.49	47.0	46.53		
13	7.6	2.73		1.37	42.0	41.58		
10	5.2	2.26		1.13	34.0	33.66	3	
7	3.6	1.88		0.94	28.0	27.72		
5	2.5	1.57		0.79	22.0	21.78		
By Linear Regre Slope, mw = Correlation Coe *If Correlation Co	34.3955 fficient* =	0.9	9987 brate.	Intercept, bw =	-5.1	697	E	
			Set Point	Calculation				
From the TSP Fie	eld Calibration Cu	ırve, take Qstd =						
From the Regres								
		mw	x Qstd + bw = IC	x [(Pa/760) x (298/	Γa)] ^{1/2}			
Therefore, Set Po	oint; IC = (mw x	Qstd + bw) x [(76	60 / Pa) x (Ta / 29	08)] ^{1/2} =		39.94	p.	
Remarks:								
QC Reviewer:	INS CH	IAN_	Signature:	21		Date: 19/09	13	



TISCH ENVIROMENTAL, INC. 145 SOUTH MIAMI AVE. VILLAGE OF CLEVES, OH 45002 513.467.9000 877.263.7610 TOLL FREE 513.467.9009 FAX WWW.TISCH-ENV.COM

AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - M Operator		Rootsmeter Orifice I.I		438320 0988	Ta (K) - Pa (mm) -	297 751.84
PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1 2 3 4 5	NA NA NA NA NA	NA NA NA NA NA	1.00 1.00 1.00 1.00	1.3900 0.9720 0.8670 0.8270 0.6800	3.2 6.4 7.9 8.7 12.6	2.00 4.00 5.00 5.50 8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
0.9884 0.9842 0.9821 0.9811 0.9759	0.7110 1.0125 1.1327 1.1863 1.4352	1.4090 1.9926 2.2278 2.3365 2.8179	0.9957 0.9915 0.9894 0.9884 0.9832	0.7163 1.0201 1.1412 1.1952 1.4459	0.8889 1.2570 1.4054 1.4740 1.7777
Qstd slo intercer coeffic y axis =	ot (b) = ient (r) =	1.94727 0.02332 0.99998 	Qa slop intercep coeffici y axis =	t (b) =	1.21935 0.01471 0.99998

CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta)

Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa]

Qa = Va/Time

For subsequent flow rate calculations:

Qstd = $1/m\{[SQRT(H2O(Pa/760)(298/Ta))] - b\}$ Qa = $1/m\{[SQRT H2O(Ta/Pa)] - b\}$

EQUIPMENT CALIBRATION RECORD

Manu	Туре:				ust Mon	itor						
Manufacturer/Brand:				SIBATA								
Mode				LD-3								
	ment No.:			A.005.07a								
Sensi	Sensitivity Adjustment Scale Setting:				557 CPM							
Opera	ator:			Mike Shek (MSKM)								
Standa	rd Equipment											
Equip	ment:	Run	precht & Pa	atashnick	TEOM®							
				Ying Seco		chool)		_				
Mode			s 1400AB	ring occo	muary 0	cilotij		_				
Serial		Cont		0AB2198	99803							
0.5,81450	0.157	Sens		00C1436		K _o : 12500)	_				
Last C	Calibration Date*		lay 2013		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11072000						
*Remar	ks: Recommend	ded interval	for hardwa	re calibra	tion is 1	year						
Calibra	tion Result											
	tivity Adjustment tivity Adjustment					557 CF						
Hour	Date (dd-mm-yy)	Ti	me	Ambient Condition		Concentration ¹ (mg/m ³)	Total Count ²	Count				
	(Temp (°C)	R.H. (%)	Y-axis	Count	X-axis				
	18-05-13	12:30	- 13:30	28.1	78	0.04714	1887	31.45				
1	10 00 10		7 - 10 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	28.1	78	0.04932	1970					
2	18-05-13		- 14:30	20.1	10	0.04932	1970	32.83				
3		13:30	- 14:30 - 15:30	28.2	77	0.04932	2056					
2 3 4	18-05-13 18-05-13 18-05-13	13:30 14:30 15:30	- 15:30 - 16:30	28.2 28.1	77 78	0.05156 0.05083		32.83 34.27 33.77				
2 3 4 Note:	18-05-13 18-05-13 18-05-13	13:30 14:30 15:30 data was me was logged te was calco	- 15:30 - 16:30 easured by d by Laser	28.2 28.1 Rupprech Dust Mon	77 78 nt & Pata tor	0.05156	2056	34.27				
2 3 4 Note: By Linea Slope Correla	18-05-13 18-05-13 18-05-13 1. Monitoring of 2. Total Count 3. Count/minuter Regression of (K-factor):	13:30 14:30 15:30 data was me was logged te was calc	- 15:30 - 16:30 easured by d by Laser ulated by (**	28.2 28.1 Rupprecl Dust Moni Total Cour	77 78 nt & Pata tor	0.05156 0.05083	2056	34.27				

EQUIPMENT CALIBRATION RECORD

Type: Manufacturer/Brand: Model No.: Equipment No.: Sensitivity Adjustment Scale Setting:			g:	Laser Dust Monitor SIBATA LD-3 A.005.08a 702 CPM					
Operator:					Mike Shek (MSKM)				
Standar	d Equipment								
Venue: Cyk Model No.: Ser Serial No: Cor Ser			yber eries	port (Pui 1400AB	atashnick Ying Sec 10AB2198	ondary .			
			enso		200C1436		K _o : _12	500	
Remark	s: Recommend	led interv	val fo	or hardwa	are calibra	ition is 1	1 year		
Calibrati	ion Result								
	vity Adjustment vity Adjustment						702 702	CPM CPM	
Hour	Date (dd-mm-yy)		Time		Ambient Condition Temp R.H. (°C) (%)		Concentration ¹ (mg/m ³) Y-axis	Total Count ²	Count/ Minute ³ X-axis
1	18-05-13	12:30	18	13:30	28.1	78	0.04714	1764	29.40
2	18-05-13	13:30	-	14:30	28.1	78	0.04932	1846	30.77
3	18-05-13	14:30	-2	15:30	28.2	77	0.05156	1935	32.25
4	18-05-13	15:30	-	16:30	28.1	78	0.05083	1899	31.65
Slope (I	2. Total Count 3. Count/minut r Regression of K-factor): tion coefficient:	was loggete was ca	ged alcul	by Laser	Dust Mor	nitor	tashnick TEOM [®]		
Validity	of Calibration F	Record:	-	17 May 2	2014				
Remarks	2								

EQUIPMENT CALIBRATION RECORD

Model No.: Equipment No.: Sensitivity Adjustment Scale Son Operator: Standard Equipment Equipment: Ro	etting:		LD-3 A.005.09 797 CPN Mike She	1			
Sensitivity Adjustment Scale Son Operator: Standard Equipment	etting:		797 CPN	1			
Operator: Standard Equipment	etting:						
Standard Equipment		-	Mike She	k (MSKI	n.		
Transaction of the second					VI)		
Fauinment: Ri							
Equipment.	ippred	ht & Pa	tashnick 1	EOM®			
Venue: Cyberport (ing Seco	ndary So	chool)		
Model No.: Series 1400			11000				
	ontrol:	-	DAB21989				
	nsor:	-	00C14365	9803	K _o : 12500		
Last Calibration Date*: 18	May :	2013					-
*Remarks: Recommended interv	al for	hardwar	e calibrat	on is 1	year		
Calibration Result							
Sensitivity Adjustment Scale Se Sensitivity Adjustment Scale Se					797 CP		
Hour Date (dd-mm-yy)	Time		Ambient Condition		Concentration ¹ (mg/m ³)	Total Count ²	Count/ Minute ³
			Temp (°C)	R.H. (%)	Y-axis		X-axis
1 18-05-13 12:30	-	13:30	28.1	78	0.04714	1885	31.42
2 18-05-13 13:30	-	14:30	28.1	78	0.04932	1965	32.75
3 18-05-13 14:30		15:30	28.2	77	0.05156	2059	34.32
4 18-05-13 15:30	8	16:30	28.1	78	0.05083	2024	33.73
Note: 1. Monitoring data was 2. Total Count was logg 3. Count/minute was cattle by Linear Regression of Y or X Slope (K-factor): Correlation coefficient:	ged by alculate	Laser [Dust Moni	or	ashnick Teom		
Validity of Calibration Record:	17	May 20	014				

EQUIPMENT CALIBRATION RECORD

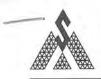
Model	Manufacturer/Brand: Model No.: Equipment No.:			-	Laser De SIBATA LD-3		itor				
	tivity Adjustment	Scale Se	tting:		A.005.10a 753 CPM						
Opera	itor:				Mike She	k (MSKI	M)				
Standa	rd Equipment										
Equipment: Rupprech			cht & Pa	tashnick	TEOM®						
Venue	30				Ying Seco	ndary S	chool)				
Model				400AB							
Serial	No:		ntrol:		DAB2198						
Last C	alibration Date*:		nsor: May	<u>120</u> 2013	00C1436	59803	K _o : 12500)	_		
*Remar	ks: Recommend	ed interva	al for	hardwai	re calibra	tion is 1	year				
Calibra	tion Result										
	ivity Adjustment ivity Adjustment						753 CF				
Hour	Date (dd-mm-yy)	Ţ	ime		Amb Cond Temp (°C)	dition R.H. (%)	Concentration ¹ (mg/m ³) Y-axis	Total Count ²	Count/ Minute X-axis		
1	18-05-13	12:30	-	13:30	28.1	78	0.04714	1886	31.43		
2	18-05-13	13:30	-	14:30	28.1	78	0.04932	1968	32.80		
3	18-05-13	14:30	141	15:30	28.2	77	0.05156	2061	34.35		
4	18-05-13	15:30	-	16:30	28.1	78	0.05083	2026	33.77		
Slope	1. Monitoring d 2. Total Count 3. Count/minut ar Regression of (K-factor): ation coefficient:	was logge e was cal	ed by culat _0.	Laser [Dust Mon	itor	ashnick TEOM [®]				
Validity	of Calibration R	Record:	17	7 May 20	014						
Remarks	s:										
						*					

EQUIPMENT CALIBRATION RECORD

Type:					Laser Du	ıst Moni	itor			
	facturer/Brand:			_	SIBATA					
Model				_	LD-3					
	ment No.: tivity Adjustment	Scale Se	ttino	_	A.005.11a 799 CPM					
Sensi	livity Aujustinem	Scale Se	ung							
Opera	itor:				Mike She	k (MSKI	M)			
Standa	rd Equipment									
Equip	ment:	Ru	ppre	cht & Pa	tashnick	TEOM®				
Venue					Ying Seco	ndary S	chool)			
Model				1400AB	7 7					
Serial	No:		ntrol		DAB21989					
41-50-5			nsor		00C1436	59803	K _o : 12500			
Last C	alibration Date*	:	May	2013					_	
*Remar	ks: Recommend	ded interva	al for	hardwar	re calibra	tion is 1	year			
Calibra	tion Result									
Sensit	ivity Adjustment	Scale Se	tting	(Before	Calibratio	n):	799 CF	PM		
	ivity Adjustment						799 CF			
Hour Date				Ambient		Concentration ¹	Total	Count		
	(dd-mm-yy)	(dd-mm-yy)			Condition		(mg/m ³)	Count ²	Minute	
					Temp	R.H.	Y-axis		X-axis	
1	18-05-13	12:15	.6	13:15	(°C) (%) 5 28.1 78		0.04685	1871	31.18	
2	18-05-13	13:15	-	14:15	28.1	78	0.04941	1979	32.98	
3	18-05-13	14:15		15:15	28.2	77	0.05127	2055	34.25	
4	18-05-13	15:15	-	16:15	28.1	78	0.05060	2021	33.68	
Note:		data was i	mea	sured by	Rupprec	nt & Pata	ashnick TEOM®	2021	1 00.00	
	3. Count/minu	te was ca	lcula	ted by (T	otal Cou	nt/60)				
	ar Regression of	YorX		2202						
	(K-factor):			0.0015						
Correla	ation coefficient:		_0	.9976		-				
Validity	y of Calibration I	Record:	_1	7 May 20	014	_				
Remark	c.									
Kemark	S.									
						1/				
QC Re	eviewer: YW F	-ung		Signat	ure:	4/	Date	e: 20 Ma	y 2013	
						U		-		

EQUIPMENT CALIBRATION RECORD

Mode	Type: Manufacturer/Brand: Model No.: Equipment No.: Sensitivity Adjustment Scale Setting:			Laser Du SIBATA LD-3B A.005.14		itor			
		Scale Se	etting	_	786 CPI				
Opera	ator:			-4	Mike She	k (MSKI	M)		
Standa	rd Equipment								
	Equipment: Rupprech								
Venue					ing Seco	ndary S	chool)		
Model		-		1400AB	14004000	0000			_
Serial	No:		ntrol	-	DAB21989		V . 40500		_
Last C	Calibration Date*:		nsor <i>May</i>	2013	00C14365	9803	K _o : _12500		
*Remar	ks: Recommend	led interv	al for	hardwar	e calibrat	ion is 1	year		
Calibra	tion Result								
	ivity Adjustment ivity Adjustment						786 CP		
Hour	Date (dd-mm-yy)		Time	11.	Amb Cond Temp (°C)		Concentration ¹ (mg/m ³) Y-axis	Total Count ²	Count/ Minute ³ X-axis
1	18-05-13	12:15	-	13:15	28.1	78	0.04685	2005	33.42
2	18-05-13	13:15	14	14:15	28.1	78	0.04941	2121	35.35
3	18-05-13	14:15	-	15:15	28.2	77	0.05127	2194	36.57
4	18-05-13	15:15	-	16:15	28.1	78	0.05060	2167	36.12
Slope	2. Total Count 3. Count/minut ar Regression of (K-factor): ation coefficient:	was logg e was ca Y or X	ed b lcula	y Laser D	Oust Moni	tor	ashnick TEOM [®]		
	y of Calibration F	Record:	_1	7 May 20)14	_			
Remark	S:						ž.		



綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F., 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黃竹坑道37號利達中心地下,9樓,12樓,13樓及20樓 Website: www.cigismec.com E-mail: smec@cigismec.com

Tel : (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

12CA1115 01-01

Page

of

Item tested

Description:

Sound Level Meter (Type 1) B&K

Microphone B&K

Manufacturer: Type/Model No.:

2238

4188

Serial/Equipment No.:

2255680 / N.009.01

2250447

Adaptors used:

Item submitted by

Customer Name:

AECOM ASIA CO., LTD.

Address of Customer:

Request No .: Date of receipt:

15-Nov-2012

Date of test:

15-Nov-2012

Reference equipment used in the calibration

Description:

Model:

Serial No.

Expiry Date:

Traceable to:

Multi function sound calibrator Signal generator Signal generator

B&K 4226 DS 360 DS 360

2288444 33873 61227

22-Jun-2013 29-May-2013 29-May-2013 CIGISMEC **CEPREI** CEPREI

Ambient conditions

Temperature:

22 ± 1 °C 60 ± 10 %

Relative humidity: Air pressure:

1000 ± 5 hPa

Test specifications

- The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580; Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- 2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of +20%.
- The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference 3, between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Huang Jian Min/Feng Jun Qi

Actual Measurement data are documented on worksheets.

Approved Signatory:

Date:

17-Nov-2012

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

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Form No.CARP152-1/Issue 1/Rev.C/01/02/2007



綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F, 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黄竹坑道37號利達中心地下,9樓,12樓,13樓及20樓 E-mail: smec@cigismec.com Website: www.cigismec.com

Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

13CA0305 01-01

Page

of

2

Item tested

Description: Manufacturer: Sound Level Meter (Type 1)

B & K

Type/Model No.:

B & K 2250-L

4950

Serial/Equipment No.:

2681366 (N. OII.01)

2665582

Microphone

Adaptors used:

-

-

Item submitted by

Customer Name: Address of Customer: AECOM ASIA CO LIMITED

Request No.:

-

Date of receipt:

05-Mar-2013

Date of test:

05-Mar-2013

Reference equipment used in the calibration

Description:

Model:

Serial No.

Expiry Date:

Traceable to:

Multi function sound calibrator Signal generator B&K 4226 DS 360 2288444 33873

23-May-2013 29-May-2013 CIGISMEC

Signal generator

DS 360

61227

29-May-2013

CEPREI CEPREI

Ambient conditions

Temperature:

21 ± 1 °C

Relative humidity:

60 ± 10 % 1000 ± 10 hPa

Air pressure:

1000 ± 10

Test specifications

- The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- 2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of ±20%.
- The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

n/F

eng Jun Qi

Actual Measurement data are documented on worksheets.

Huang Jian M

Approved Signatory:

Date:

05-Mar-2013

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

© Soils & Materials Engineering Co., Ltd.

Form No.CARP152-1/Issue 1/Rev.C/01/02/2007



綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F., 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黃竹坑道37號利達中心地下,9樓,12樓,13樓及20樓 E-mail: smec@cigismec.com Website: www.cigismec.com

Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

13CA0325 01-03

Page:

of

2

Item tested

Description:

Acoustical Calibrator (Class 1)

Manufacturer:

Rion Co., Ltd.

Type/Model No.:

NC-73

Serial/Equipment No.:

10186482 / N.004.09

Adaptors used:

Item submitted by

Curstomer:

AECOM ASIA CO., LTD.

Address of Customer: Request No .:

Date of receipt:

25-Mar-2013

Date of test:

26-Mar-2013

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2412857	29-May-2013	SCL
Preamplifier	B&K 2673	2239857	17-Dec-2013	CEPREI
Measuring amplifier	B&K 2610	2346941	17-Dec-2013	CEPREI
Signal generator	DS 360	61227	29-May-2013	CEPREI
Digital multi-meter	34401A	US36087050	10-Dec-2013	CEPREI
Audio analyzer	8903B	GB41300350	29-May-2013	CEPREI
Universal counter	53132A	MY40003662	29-May-2013	CEPREI

Ambient conditions

Temperature:

22 ± 1 °C

Relative humidity:

60 ± 10 %

Air pressure:

1000 ± 10 hPa

Test specifications

- 1, The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.
- 2, The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
- The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference 3. pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on page 2 of this certificate.

Huang Jian Min/Feng Jun Qi

Approved Signatory:

Date:

26-Mar-2013

Company Chop:

Comments: The results reported in this certificate refer to the conditon of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

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Form No.CARP156-1/Issue 1/Rev.D/01/03/2007

APPENDIX F EM&A MONITORING SCHEDULES

Widening of Tolo Highway / Fanling Highway (Stage 1) Between Island House Interchange and Tai Hang - Investigation Tentative Impact Monitoring and Audit Schedule for October 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1-Oct	2-Oct	3-Oct	4-Oct	5-Oct
			24-hour TSP			
			1-hour TSP & Noise	Site inspection		
			Site inspection	(Contract 2)		
			(Contract 1)			
6-Oct	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct
		24-hour TSP	Site inspection	Site inspection		24-hour TSP
		1-hour TSP & Noise	(Contract 1)	(Contract 2)		1-hour TSP
13-Oct	14-Oct	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct
13-00	14-000	13-001	10-001	17-000	10-001	19-001
			Site inspection	Site inspection	24-hour TSP	
			(Contract 1)	(Contract 2)	1-hour TSP & Noise	
			(Contract 1)	(Gorialdot 2)	1 11001 101 0 110100	
20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct
				24-hour TSP		
			Site inspection	1-hour TSP & Noise		
			(Contract 1)	Site inspection		
				(Contract 2)		
27-Oct	28-Oct	29-Oct	30-Oct	31-Oct		
			24-hour TSP			
			1-hour TSP & Noise	Site inspection		
			Site inspection	(Contract 2)		
			(Contract 1)			

Widening of Tolo Highway / Fanling Highway (Stage 1) Between Island House Interchange and Tai Hang - Investigation Tentative Impact Monitoring and Audit Schedule for November 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Nov	2-Nov
3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	9-Nov
		24-hour TSP	Site inspection	Site inspection		
		1-hour TSP & Noise	(Contract 1)	(Contract 2)		
10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	16-Nov
	24-hour TSP		Site inspection	Site inspection		24-hour TSP
	1-hour TSP & Noise		(Contract 1)	(Contract 2)		1-hour TSP
17-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov
			Site inspection	Site inspection	24-hour TSP	
			(Contract 1)	(Contract 2)	1-hour TSP & Noise	
24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
				24-hour TSP		
			Site inspection	1-hour TSP & Noise		
			(Contract 1)	Site inspection		
				(Contract 2)		

The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

APPENDIX G
IMPACT AIR QUALITY MONITORING
RESULTS AND THEIR GRAPHICAL
PRESENTATION

Appendix G Impact Air Quality Monitoring Results

1-hour TSP Monitoring Results at Station AM1A (Fan Sin Temple, 3 Sheung Wun Yiu G/F)

	Start	1st Hour	2nd Hour	3rd Hour
	Time Conc.		Conc.	Conc.
Date	(hh:mm)	(µg/m³)	(µg/m³)	(µg/m³)
2-Oct-13	10:00	76.2	75.6	77.0
8-Oct-13	10:26	78.6	79.1	78.0
12-Oct-13	10:20	82.5	83.3	80.9
18-Oct-13	10:34	78.5	79.6	80.2
24-Oct-13	9:45	86.8	84.2	87.1
30-Oct-13	9:50	83.8	81.8	84.4
			Average	81.0
			Min	75.6
			Max	87.1

1-hour TSP Monitoring Results at Station AM2 (12 Shan Tong New Village G/F)

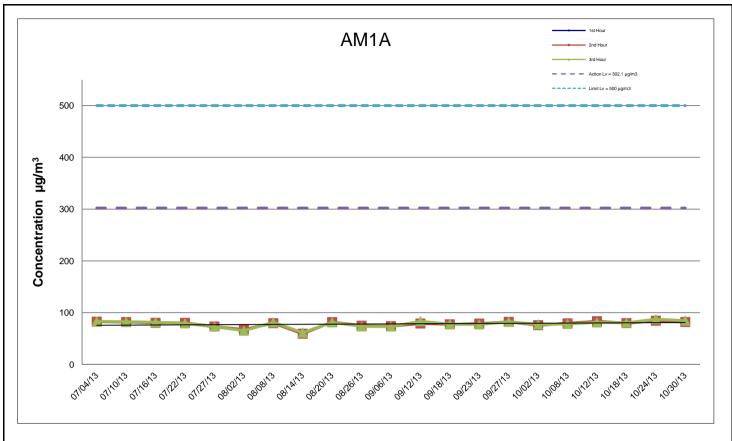
	Start	1st Hour	2nd Hour	3rd Hour
	Time	Conc.	Conc.	Conc.
Date	(hh:mm)	(µg/m³)	(µg/m³)	(µg/m³)
2-Oct-13	9:40	75.8	76.7	76.5
8-Oct-13	10:02	77.9	75.9	78.1
12-Oct-13	10:10	83.4	81.7	82.6
18-Oct-13	9:45	80.6	81.1	79.2
24-Oct-13	9:55	81.2	80.6	83.4
30-Oct-13	9:45	81.7	84.0	80.6
•			Average	80.1
			Min	75.8
			Max	84.0

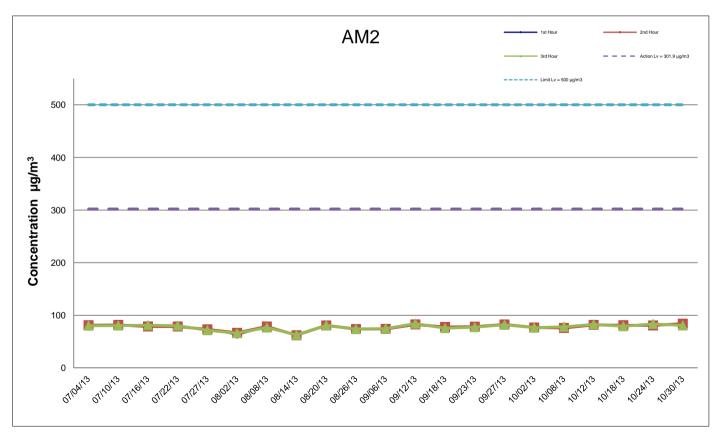
1-hour TSP Monitoring Results at Station AM3 (Roof of Switch Room at Riverain Bayside)

	Start	1st Hour	2nd Hour	3rd Hour
	Time	Conc.	Conc.	Conc.
Date	(hh:mm)	(µg/m³)	(µg/m³)	(µg/m ³)
2-Oct-13	9:50	74.9	76.3	75.3
8-Oct-13	10:15	80.2	81.1	79.7
12-Oct-13	9:48	83.0	83.6	80.7
18-Oct-13	13:56	78.5	79.4	80.7
24-Oct-13	9:30	88.1	85.7	87.4
30-Oct-13	9:35	81.1	85.1	85.8
			Average	81.5
			Min	74.9
			Max	88.1

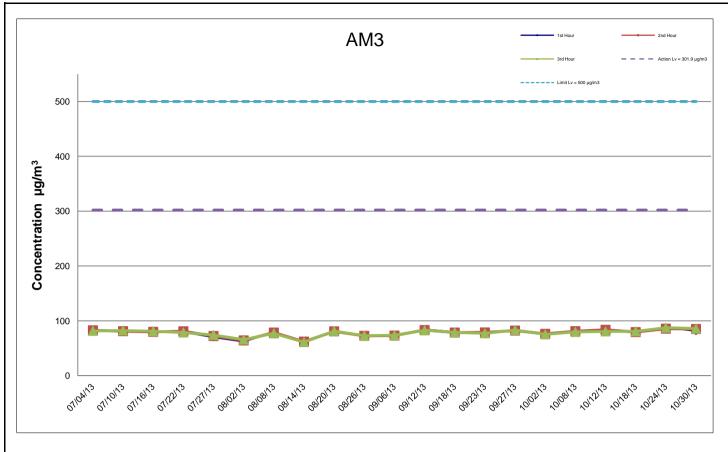
1-hour TSP Monitoring Results at Station AM4A (Roof of Switch Room at 168 Shek Kwu Lung Village)

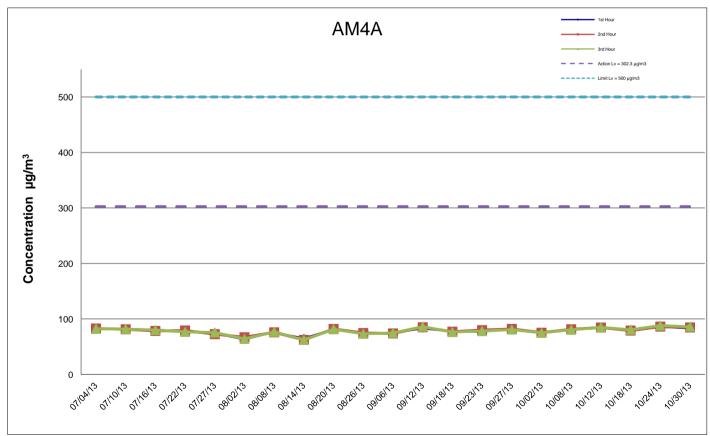
1				
	Start	1st Hour	2nd Hour	3rd Hour
	Time Conc.		Conc.	Conc.
Date	(hh:mm)	(µg/m³)	(µg/m³)	(µg/m³)
2-Oct-13	10:15	76.8	75.2	75.0
8-Oct-13	10:38	80.5	81.4	80.6
12-Oct-13	13:40	84.2	84.5	84.9
18-Oct-13	10:16	78.8	79.1	80.6
24-Oct-13	10:05	85.0	86.2	87.9
30-Oct-13	10:05 82.6		84.7	86.1
			Average	81.9
			Min	75.0
			Max	87.9





Environmental Team for the Widening of Tolo Highway between Island House Interchange and Tai Hang - Investigation		N.T.S.	DATE	Nov-1	3	l
		ENFL	DRAWN	JCYI	<	l
Graphical Presentation of Impact 1-hour TSP Monitoring	JOB NO.		APPEND	IX No.	Rev.	l
Results		60102979	(G	-	





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



Environmental realition the widening of rolo riighway	SCALE		DATE	Nov-1	13	
between Island House Interchange and Tai Hang - Investigation	CHECK	ENFL	DRAWN	JCYI	Κ	
Graphical Presentation of Impact 1-hour TSP Monitoring	JOB NO.		APPEND	IX No.	Rev.	
Results		60102979	(G	-	

Impact Air Quality Monitoring Results

24-hour TSP Monitoring Results at Station AM1A (Fan Sin Temple, 3 Sheung Wun Yiu G/F)

Date	Weather	Air	Atmospheric	Flow Rate	(m³/min.)	Av. flow	Total vol.	Filter W	/eight (g)	Particulate	Elapse	e Time	Sampling	Conc.
	Condition	Temp. (°C)	Pressure(hPa)	Initial	Final	(m³/min)	(m ³)	Initial	Final	weight(g)	Initial	Final	Time(hrs.)	(µg/m³)
2-Oct-13	Sunny	27.8	1012.6	1.33	1.33	1.33	1916.6	2.9204	3.0779	0.1575	19971.46	19995.46	24.00	82.2
8-Oct-13	Sunny	26.8	1008.1	1.33	1.33	1.33	1916.6	2.9348	3.1225	0.1877	19995.46	20019.46	24.00	97.9
12-Oct-13	Sunny	27.6	1011.0	1.33	1.33	1.33	1916.6	2.8965	2.9884	0.0919	20019.46	20043.46	24.00	47.9
18-Oct-13	Sunny	25.2	1018.4	1.33	1.33	1.33	1916.6	2.8066	2.9720	0.1654	20043.46	20067.46	24.00	86.3
24-Oct-13	Sunny	24.4	1013.1	1.33	1.33	1.33	1916.6	2.8948	3.0268	0.1320	20067.46	20091.46	24.00	68.9
30-Oct-13	Sunny	24.2	1017.2	1.33	1.33	1.33	1916.6	2.8134	2.9054	0.0920	20091.46	20115.46	24.00	48.0
,													Average	71.9
													Min	47.9
													Max	97.9

24-hour TSP Monitoring Results at Station AM2 (12 Shan Tong New Village G/F)

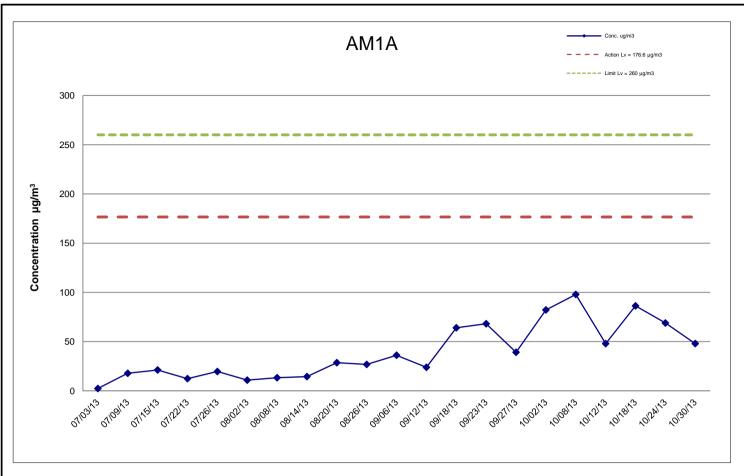
Date	Weather	Air	Atmospheric	Flow Rate	(m³/min.)	Av. flow	Total vol.	Filter W	/eight (g)	Particulate	Elapse	Time	Sampling	Conc.
	Condition	Temp. (°C)	Pressure(hPa)	Initial	Final	(m³/min)	(m ³)	Initial	Final	weight(g)	Initial	Final	Time(hrs.)	(µg/m³)
2-Oct-13	Sunny	27.8	1012.6	1.34	1.34	1.34	1925.3	2.9501	3.055	0.1049	16543.12	16567.12	24.00	54.5
8-Oct-13	Sunny	26.8	1008.1	1.34	1.34	1.34	1925.3	2.934	3.0573	0.1233	16567.12	16591.12	24.00	64.0
12-Oct-13	Sunny	27.6	1011.0	1.34	1.34	1.34	1925.3	2.8759	2.9497	0.0738	16591.12	16615.12	24.00	38.3
18-Oct-13	Sunny	25.2	1018.4	1.34	1.34	1.34	1925.3	2.8177	2.9357	0.1180	16615.12	16639.12	24.00	61.3
24-Oct-13	Sunny	24.4	1013.1	1.34	1.34	1.34	1925.3	2.9109	2.9833	0.0724	16639.12	16663.12	24.00	37.6
30-Oct-13	Sunny	24.2	1017.2	1.34	1.34	1.34	1925.3	2.7996	2.8765	0.0769	16663.12	16687.12	24.00	39.9
													Average	49.3
													Min	37.6
													Max	64.0

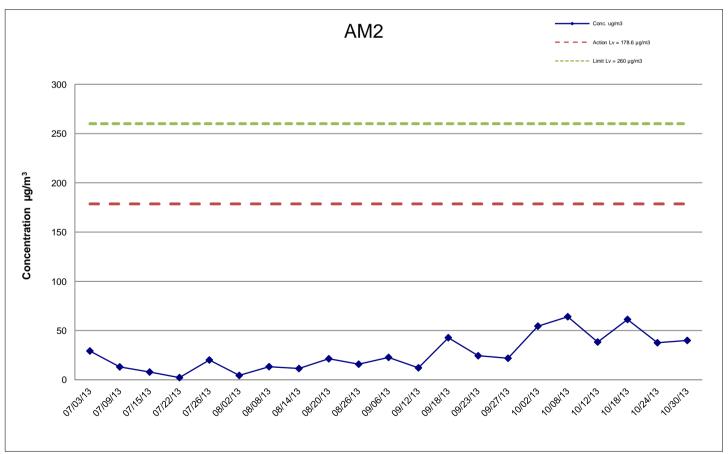
24-hour TSP Monitoring Results at Station AM3 (Roof of Switch Room at Riverain Bayside)

Date	Weather	Air	Atmospheric	Flow Rate	e (m³/min.)	Av. flow	Total vol.	Filter W	/eight (g)	Particulate	Elapse	e Time	Sampling	Conc.
	Condition	Temp. (°C)	Pressure(hPa)	Initial	Final	(m³/min)	(m ³)	Initial	Final	weight(g)	Initial	Final	Time(hrs.)	(µg/m³)
2-Oct-13	Sunny	27.8	1012.6	1.33	1.33	1.33	1921.0	2.9056	3.0118	0.1062	20272.59	20296.59	24.00	55.3
8-Oct-13	Sunny	26.8	1008.1	1.33	1.33	1.33	1921.0	2.9096	3.057	0.1474	20296.59	20320.59	24.00	76.7
12-Oct-13	Sunny	27.6	1011.0	1.33	1.33	1.33	1921.0	2.885	2.9583	0.0733	20320.59	20344.59	24.00	38.2
18-Oct-13	Sunny	25.2	1018.4	1.33	1.33	1.33	1921.0	2.8067	2.9017	0.0950	20344.59	20368.59	24.00	49.5
24-Oct-13	Sunny	24.4	1013.1	1.33	1.33	1.33	1921.0	2.9127	3.0231	0.1104	20368.59	20392.59	24.00	57.5
30-Oct-13	Sunny	24.2	1017.2	1.33	1.33	1.33	1921.0	2.8116	2.8805	0.0689	20392.59	20416.59	24.00	35.9
													Average	52.2
													Min	35.9
													Max	76.7

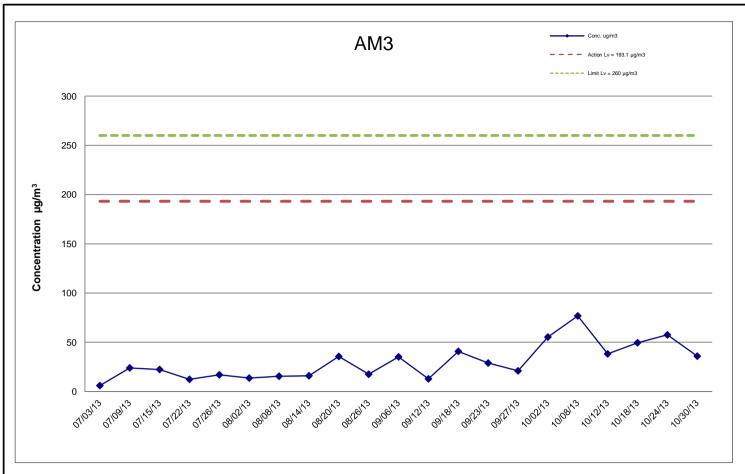
24-hour TSP Monitoring Results at Station AM4A (Roof of Switch Room at 168 Shek Kwu Lung Village)

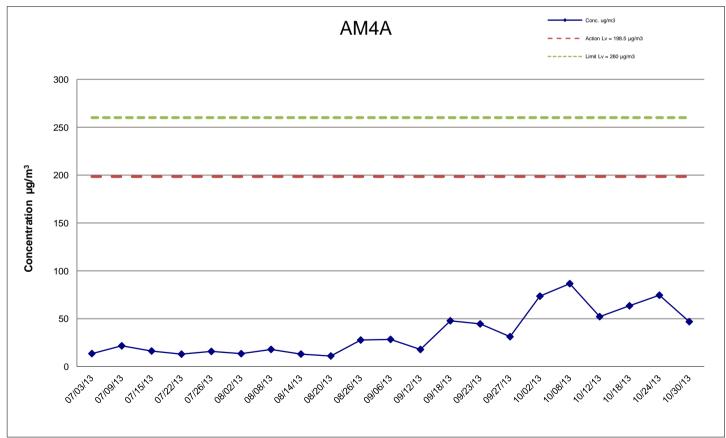
Date	Weather	Air	Atmospheric	Flow Rate	(m³/min.)	Av. flow	Total vol.	Filter W	/eight (g)	Particulate	Elapse	e Time	Sampling	Conc.
	Condition	Temp. (°C)	Pressure(hPa)	Initial	Final	(m ³ /min)	(m ³)	Initial	Final	weight(g)	Initial	Final	Time(hrs.)	(µg/m ³)
2-Oct-13	Sunny	27.8	1012.6	1.33	1.33	1.33	1918.1	2.9048	3.046	0.1412	16402.36	16426.36	24.00	73.6
8-Oct-13	Sunny	26.8	1008.1	1.33	1.33	1.33	1918.1	2.9400	3.1063	0.1663	16426.36	16450.36	24.00	86.7
12-Oct-13	Sunny	27.6	1011.0	1.33	1.33	1.33	1918.1	2.8997	2.9999	0.1002	16450.36	16474.36	24.00	52.2
18-Oct-13	Sunny	25.2	1018.4	1.33	1.33	1.33	1918.1	2.8058	2.9277	0.1219	16474.36	16498.36	24.00	63.6
24-Oct-13	Sunny	24.4	1013.1	1.33	1.33	1.33	1918.1	2.9089	3.0520	0.1431	16498.36	16522.36	24.00	74.6
30-Oct-13	Sunny	24.2	1017.2	1.33	1.33	1.33	1918.1	2.7873	2.8774	0.0901	16522.36	16546.36	24.00	47.0
													Average	66.3
													Min	47.0
													Max	86.7





Environmental Team for the widening of Tolo Highway	SCALE	N.T.S.	DATE	Nov-1	13
between Island House Interchange and Tai Hang - Investigation	CHECK	ENFL	DRAWN	JCY	<
Graphical Presentation of Impact 24-hour TSP Monitoring	JOB NO.		APPEND	IX No.	Rev.
Results		60102979	(3	-





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.

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Environmental Team for the widening of Tolo Highway		N.T.S.	DATE	Nov-1	13
between Island House Interchange and Tai Hang - Investigation	CHECK	ENFL	DRAWN	JCY	<
Graphical Presentation of Impact 24-hour TSP Monitoring	JOB NO.	60102979	APPEND	_	Rev.
Results			•	G	-

APPENDIX H
METEOROLOGICAL DATA FOR THE
REPORTING MONTH

Extract of Meteorological Observations for Tai Mei Tuk Automatic Weather Station, October 2013

Date	Mean Pressure at M.S.L.			Mean Dew Point Temperature	Rela	ative Humi	dity	
	(hPa)	Max.	Mean	Min.	(deg C)	Max.	Mean	Min.
		(deg C)	(deg C)	(deg C)		(%)	(%)	(%)
1-Oct	*****	32.2	27.8	25.6	***	***	***	***
2-Oct	*****	32.1	27.9	24.7	***	***	***	***
3-Oct	*****	30.9	26.6	23.6	***	***	***	***
4-Oct	*****	30.1	25.9	23.6	***	***	***	***
5-Oct	*****	30.3	25.9	23.1	****	***	***	***
6-Oct	*****	30.9	27.3	23.1	****	***	***	***
7-Oct	*****	31.9	28.1	23.4	***	***	***	***
8-Oct	*****	29.7	26.3	23.9	***	***	***	***
9-Oct	*****	31	26.8	23.9	***	***	***	***
10-Oct	*****	31.9	27.4	25	****	***	***	***
11-Oct	*****	32.6	27.9	24.8	****	***	***	***
12-Oct	*****	32	27.8	25.6	****	***	***	***
13-Oct	*****	31	27	24.7	****	***	***	***
14-Oct	*****	27.8	25.9	24.8	****	***	***	***
15-Oct	*****	30.9	26.8	24.7	****	***	***	***
16-Oct	*****	28.6	25.5	23.4	****	***	***	***
17-Oct	*****	26.3	24	22.3	****	***	***	***
18-Oct	*****	29.1	25	22.5	***	***	***	***
19-Oct	*****	28.8	25.3	22.3	***	***	***	***
20-Oct	*****	29.7	25.4	21.3	****	***	***	***
21-Oct	*****	29.1	25	21.5	****	***	***	***
22-Oct	*****	29.7	25.4	21.9	****	***	***	***
23-Oct	*****	29	24.8	21.2	***	***	***	***
24-Oct	*****	28.6	24.7	20.5	***	***	***	***
25-Oct	*****	27.9	23.7	21.4	***	***	***	***
26-Oct	*****	26.4	21.8	18.4	***	***	***	***
27-Oct	*****	26.7	21.9	19	***	***	***	***
28-Oct	*****	26.9	22.7	19.7	***	***	***	***
29-Oct	*****	27.8	23.6	21.2	***	***	***	***
30-Oct	*****	28.6	24.3	22	***	***	***	***
31-Oct	*****	30.2	25.1	22	***	***	***	***
Mean	*****	29.6	25.6	22.7	***	***	***	***
Maximum	*****	32.6	28.1	25.6	***	***	***	***
Minimum	*****	26.3	21.8	18.4	***	***	***	***

Extract of Meteorological Observations for Tai Mei Tuk Automatic Weather Station, October 2013

Date	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind (km/h)
1-Oct	0.0	60	12.0
2-Oct	0.0	50	9.3
3-Oct	0.0	150	7.7
4-Oct	0.0	60	6.3
5-Oct	0.0	50	6.5
6-Oct	0.0	30	10.2
7-Oct	0.0	40	12.6
8-Oct	0.0	40	10.1
9-Oct	0.5	90	9.8
10-Oct	0.0	50	12.9
11-Oct	0.0	150	7.4
12-Oct	0.0	100	10.7
13-Oct	0.0	90	19.9
14-Oct	0.0	60	16.5
15-Oct	0.0	90	13.5
16-Oct	0.0	100	23.5
17-Oct	0.5	50	16.9
18-Oct	0.0	50	16.5
19-Oct	0.0	40	7.1
20-Oct	0.0	60	7.3
21-Oct	0.0	50	9.8
22-Oct	0.0	40	13.1
23-Oct	0.0	30	12.5
24-Oct	0.0	30	14.6
25-Oct	0.0	30	22.0
26-Oct	0.0	60	9.9
27-Oct	0.0	40	10.0
28-Oct	0.0	50	12.8
29-Oct	0.0	50	11.3
30-Oct	0.0	100	13.3
31-Oct	0.0	50	10.1
Mean		50	12.1
Total	1.0		
Maximum	0.5		23.5
Minimum	0.0		6.3

^{***} unavailable

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

[#] missing (less than 24 hourly observations a day)

Extract of Meteorological Observations for Tai Po Automatic Weather Station, October 2013

Date	Mean Pressure at M.S.L.	Ai	r Temperatu	ıre	Mean Dew Point Temperature	Rela	ative Humi	dity
	(hPa)	Max.	Mean	Min.	(deg C)	Max.	Mean	Min.
	1010	(deg C)	(deg C)	(deg C)	00.1	(%)	(%)	(%)
1-Oct	1012	29.3	27.1	25.3	23.4	89	80	68
2-Oct	1012	30.4	26.7	24.1	19.3	93	66	38
3-Oct	1012.5	28.5	25.4	21.7	18.9	84	68	51
4-Oct	1011.4	28	25.1	22.6	20	89	75	53
5-Oct	1010	28.2	24.7	21.9	18.1	90	68	43
6-Oct	1008.3	30.9	26.2	21.5	15.3	66	52	37
7-Oct	1005.6	31	27.5	24	17.8	68	56	46
8-Oct	1007.7	27.9	26.4	25	19.2	83	65	54
9-Oct	1010.4	28.4	26.2	24	22.2	91	79	67
10-Oct	1012.3	29.4	27	25.1	23.3	91	81	66
11-Oct	*****#	30.7	***#	24.9	***#	92	***#	59
12-Oct	1010.5	29.6	27.4	25	21.3	81	70	52
13-Oct	1010.5	29.1	27	25.6	20.6	79	69	56
14-Oct	1011	26.9	25.8	24.8	21.2	92	76	64
15-Oct	1013	29.2	26.7	25.4	21.7	86	74	58
16-Oct	1016.8	26.6	25.5	24.2	19.8	80	71	62
17-Oct	1018.5	25.2	24.2	23.1	19.5	84	75	68
18-Oct	1018	27.1	24.7	22.6	17.7	78	65	53
19-Oct	1017.4	27.2	24	21	17.6	80	68	53
20-Oct	1015.6	27.4	24.3	20.7	18.3	86	70	57
21-Oct	1014.8	27	24.4	20.9	18.8	83	71	62
22-Oct	1015.2	27.7	24.4	20.6	16.5	81	63	40
23-Oct	1014.1	27.8	23.3	19.5	12.3	64	51	34
24-Oct	1012.8	27.5	23.6	19.1	9.6	58	42	27
25-Oct	1015.2	26.3	23.3	19.8	6.8	54	36	18
26-Oct	1018	24.8	20.3	16.2	10.2	77	53	36
27-Oct	1018.3	24.2	20.4	17.1	14.6	86	71	49
28-Oct	1018.4	25	22	19.1	16.3	85	71	54
29-Oct	1018.2	25.9	23.2	20.7	17.7	86	72	56
30-Oct	1016.8	26	23.7	21.8	18.4	86	73	60
31-Oct	1016.2	28	24.4	21.2	19.3	90	74	54
Mean	1013.7#	27.8	24.9#	22.2	17.9#	82	67#	51
Maximum	1018.5#	31	27.5#	25.6	23.4#	93	81#	68
Minimum	1005.6#	24.2	20.3#	16.2	6.8#	54	36#	18

Extract of Meteorological Observations for Tai Po Automatic Weather Station, October 2013

Date Total Rainfall (mm) Prevailing Wind Direction (km/h) Mean Wind (km/h) 1-Oct ***** **** ***** 2-Oct ***** ***** ***** 3-Oct ***** **** ***** 4-Oct ***** ***** ***** 5-Oct ***** ***** ***** 6-Oct ***** ***** ***** 7-Oct ***** ***** ***** 8-Oct ***** ***** ***** 9-Oct ***** ***** ***** 10-Oct ***** ***** ***** 11-Oct ***** ***** ***** 12-Oct ***** ***** ***** 13-Oct ***** ***** ***** 14-Oct ***** ***** ***** 15-Oct ***** ***** ***** 16-Oct ***** ***** ***** 19-Oct ***** ***** *****		TD-4-1	D	1.6
Date			_	
(mm) Direction (km/h) (degrees)	Date		. ,	
1-Oct		(mm)		(km/h)
2-Oct				
3-Oct	1-Oct			
4-Oct				
5-Oct	3-Oct			
6-Oct				
7-Oct	5-Oct			
8-Oct	6-Oct	****	***	****
9-Oct	7-Oct	****	***	****
10-Oct		****	***	****
11-Oct	9-Oct	****		
12-Oct	10-Oct	****	***	****
13-Oct	11-Oct	****	***	****
14-Oct ***** ***** 15-Oct ***** ***** 16-Oct ***** ***** 17-Oct ***** ***** 18-Oct ***** ***** 19-Oct ***** ***** 20-Oct ***** ***** 21-Oct ***** ***** 22-Oct ***** ***** 23-Oct ***** ***** 24-Oct ***** ***** 25-Oct ***** ***** 26-Oct ***** ***** 27-Oct ***** ***** 28-Oct ***** ***** 30-Oct ***** ***** 31-Oct ***** ***** Mean ***** Total *****	12-Oct	****	***	****
15-Oct	13-Oct	****	***	****
16-Oct	14-Oct	****	***	****
17-Oct	15-Oct	****	***	****
18-Oct	16-Oct	****	***	****
19-Oct	17-Oct	****	***	****
20-Oct	18-Oct	****	***	****
21-Oct ***** ***** 22-Oct ***** ***** 23-Oct ***** ***** 24-Oct ***** ***** 25-Oct ***** ***** 26-Oct ***** ***** 27-Oct ***** ***** 28-Oct ***** ***** 29-Oct ***** ***** 30-Oct ***** ***** 31-Oct ***** ***** Mean ***** Total ******	19-Oct	****	***	****
22-Oct	20-Oct	****	***	****
23-Oct	21-Oct	****	***	****
24-Oct	22-Oct	****	***	****
25-Oct	23-Oct	****	***	****
26-Oct	24-Oct	****	***	****
27-Oct	25-Oct	****	***	****
28-Oct	26-Oct	****	***	****
29-Oct	27-Oct	****	***	****
30-Oct	28-Oct	****	***	****
31-Oct	29-Oct	****	***	****
Mean *** ***** Total *****	30-Oct	****	***	****
Total *****	31-Oct	****	***	****
Total	Mean		***	****
	Total	****		
Maximum	Maximum	****		****
Minimum ***** *****	Minimum	****		****

^{***} unavailable

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

[#] missing (less than 24 hourly observations a day)

Extract of Meteorological Observations for Sha Tin Automatic Weather Station, October 2013

Date	Mean Pressure at M.S.L.	Ai	r Temperatu	ıre	Mean Dew Point Temperature	Rela	ative Humi	dity
	(hPa)	Max. (deg C)	Mean (deg C)	Min. (deg C)	(deg C)	Max. (%)	Mean (%)	Min. (%)
1-Oct	1012.6	30.9	27.5	25.7	22.9	87	76	62
2-Oct	1012.6	32	27.2	23.7	18.9	96	63	29
3-Oct	1013	30.5	26	21.9	18.5	88	65	41
4-Oct	1011.9	29.7	25.4	22.4	19.6	92	72	43
5-Oct	1010.5	30.1	24.8	20.7	17.9	95	69	33
6-Oct	1008.8	32	26.6	19.9	15	85	52	33
7-Oct	1005.9	32.1	28.5	25.2	16.9	58	49	41
8-Oct	1008.1	29.1	26.9	25.2	18.8	80	61	53
9-Oct	1010.9	30.2	26.8	24.8	21.8	85	74	59
10-Oct	1012.8	30.7	27.2	24.6	23	92	78	62
11-Oct	1011.8	32.6	27.7	23.7	22.4	96	74	51
12-Oct	1011	30.9	27.7	25.3	20.4	84	65	46
13-Oct	1011.1	30.6	27.4	25.7	19.3	75	62	49
14-Oct	1011.6	27.9	26.3	25.4	20.4	85	70	59
15-Oct	1013.5	30.3	26.9	25.4	21.2	83	72	53
16-Oct	1017.3	27.5	25.5	23.8	19.1	77	68	56
17-Oct	1019.1	25.7	24.2	23.4	18.8	81	72	64
18-Oct	1018.5	28.7	25.1	22.8	17.2	78	63	42
19-Oct	1017.9	28.8	24.7	22.3	17.1	82	63	44
20-Oct	1016.1	28.7	24.8	21.1	18	91	67	48
21-Oct	1015.3	28.2	25	22.4	18.2	83	67	52
22-Oct	1015.7#	28.5	25.0#	21.8	15.5#	78	57#	40
23-Oct	1014.6	27.6	23.5	19.2	11.3	77	48	30
24-Oct	1013.2	27.9	23.4	18.5	9.0	74	41	23
25-Oct	1015.6	26.8	23.8	21.7	6.0	44	32	19
26-Oct	1018.5	25.1	20.9	16.6	8.7	86	48	31
27-Oct	1018.8	24.5	19.8	15.6	14.2	94	72	45
28-Oct	1018.9	25.5	21.7	18.3	15.3	86	68	44
29-Oct	1018.7	26.5	22.8	19.9	17	89	71	50
30-Oct	1017.3	26.2	23.3	21.2	17.8	88	72	55
31-Oct	1016.8	29.2	24.3	20.1	18.4	94	72	45
Mean	1014.1#	28.9	25.2#	22.2	17.4#	83	64#	45
Maximum	1019.1#	32.6	28.5#	25.7	23.0#	96	78#	64
Minimum	1005.9#	24.5	19.8#	15.6	6.0#	44	32#	19

Extract of Meteorological Observations for Sha Tin Automatic Weather Station, October 2013

Date	Total Rainfall (mm)	Prevailing Wind Direction (degrees)	Mean Wind (km/h)
1-Oct	0.0	100	5.6
2-Oct	0.0	20	4.5
3-Oct	0.0	10	4.4
4-Oct	0.0	110	4.0
5-Oct	0.0	120	4.5
6-Oct	0.0	340	7.3
7-Oct	0.0	340	11.4
8-Oct	0.0	340	7.8
9-Oct	0.0	350	6.0
10-Oct	0.0	80	4.7
11-Oct	0.0	10	5.7
12-Oct	0.0	80	7.0
13-Oct	0.0	360	9.5
14-Oct	0.0	70	7.0
15-Oct	0.0	90	7.9
16-Oct	0.0	90	10.2
17-Oct	0.0	90	7.3
18-Oct	0.0	60	7.3
19-Oct	0.0	20	4.8
20-Oct	0.0	10	4.8
21-Oct	0.0	30	5.5
22-Oct	0.0	020#	6.0#
23-Oct	0.0	30	6.3
24-Oct	0.0	30	6.6
25-Oct	0.0	20	11.7
26-Oct	0.0	40	7.5
27-Oct	0.0	140	5.0
28-Oct	0.0	110	6.1
29-Oct	0.0	70	4.6
30-Oct	0.0	100	6.2
31-Oct	0.0	20	4.6
Mean		020#	6.5#
Total	0.0		
Maximum	0.0		11.7#
Minimum	0.0		4.0#

^{***} unavailable

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

[#] missing (less than 24 hourly observations a day)

APPENDIX I
IMPACT DAYTIME CONSTRUCTION NOISE
MONITORING RESULTS AND THEIR
GRAPHICAL PRESENTATION

Location : NM1A (168 Shek Kwu Lung Village G/F- Façade)

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

	Measured Noise Level for 30-min, dB(A)			nin, dB(A)	Baseline Noise	Corrected Construction	Limit Level,	Exceedance
Date	Start Time	Leq	L10	L90	Level, dB(A)	Noise Level, dB(A) **	dB(A)	(Y/N)
2-Oct-13	10:20	59.6	60.6	57.2	64.2	59.6	75	N
8-Oct-13	13:43	61.7	63.5	59.6	64.2	61.7	75	N
18-Oct-13	13:12	63.2	65.4	61.1	64.2	63.2	75	N
24-Oct-13	10:05	60.1	61.5	57.5	64.2	60.1	75	N
30-Oct-13	10:10	60.0	61.5	57.0	64.2	60.0	75	N

	Corrected Noise Level dB(A)
Average	61.1
Max	63.2
Min	59.6

Location: NM2 (38 Ha Wun Yiu G/F - Free Field)

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

	Measured Noise Level for 30-min, dB(A)			min, dB(A)	Baseline Noise	Corrected Construction	Limit Level,	Exceedance
Date	Start Time	Leq*	L10*	L90*	Level, dB(A)*	Noise Level, dB(A) **	dB(A)	(Y/N)
2-Oct-13	10:50	64.4	65.9	57.2	68.1	64.4	75	N
8-Oct-13	10:47	61.8	63.5	60.4	68.1	61.8	75	N
18-Oct-13	11:26	62.1	64.2	60.4	68.1	62.1	75	N
24-Oct-13	11:00	64.1	66.0	62.0	68.1	64.1	75	N
30-Oct-13	10:35	62.8	64.2	61.1	68.1	62.8	75	N

	Corrected Noise Level dB(A)
Average	63.2
Max	64.4
Min	61.8

^{* +3}dB(A) Façade effect correction included

^{**} Construction noise level is only calculated when Measured noise level (Leq) > Baseline noise level.

If Measured noise level < Baseline noise level, Corrected noise level = Measured noise level

Location : NM3 (Wong Shiu Chi Middle School Rooftop - Façade)

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

	Measured Noise Level for 30-min, dB(A)			min, dB(A)	Baseline Noise	Corrected Construction	Limit Level,	Exceedance
Date	Start Time	Leq	L10	L90	Level, dB(A)	Noise Level, dB(A) **	dB(A)#	(Y/N)
2-Oct-13	14:00	63.6	64.7	61.2	64.8	63.6	70	N
8-Oct-13	10:56	63.2	65.6	61.3	64.8	63.2	70	N
18-Oct-13	10:48	65.2	67.8	64.3	64.8	54.6	70	N
24-Oct-13	11:30	63.4	65.0	61.5	64.8	63.4	70	N
30-Oct-13	13:05	63.2	64.5	61.0	64.8	63.2	70	N

	Corrected Noise Level dB(A)
Average	62.5
Max	63.6
Min	54.6

Location: NM4 (Uptown Plaza Block 4 Rooftop - Façade)

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

	Measured I	Noise Lev	el for 30-r	nin, dB(A)	Baseline Noise	Corrected Construction	Limit Level,	Exceedance
Date	Start Time	Leq	L10	L90	Level, dB(A)	Noise Level, dB(A) **	dB(A)	(Y/N)
2-Oct-13	13:05	64.1	65.6	60.2	67.4	64.1	75	N
8-Oct-13	10:12	64.6	65.1	63.2	67.4	64.6	75	N
18-Oct-13	9:45	65.7	66.9	63.1	67.4	65.7	75	N
24-Oct-13	13:00	63.1	65.3	61.8	67.4	63.1	75	N
30-Oct-13	13:15	62.7	63.5	62.0	67.4	62.7	75	N

	Corrected Noise Level dB(A)
Average	64.2
Max	65.7
Min	62.7

^{# -} Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period.

^{**} Construction noise level is only calculated when Measured noise level (Leq) > Baseline noise level.

If Measured noise level < Baseline noise level, Corrected noise level = Measured noise level

Location : NM5 (The Paragon Clubhouse Rooftop - Façade)

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

	Measured Noise Level for 30-min, dB(A)				Baseline Noise	Corrected Construction	Limit Level,	Exceedance
Date	Start Time	Leq	L10	L90	Level, dB(A)	Noise Level, dB(A) **	dB(A)	(Y/N)
2-Oct-13	13:15	63.1	63.6	60.0	65.2	63.1	75	N
8-Oct-13	14:50	60.4	62.5	58.7	65.2	60.4	75	N
18-Oct-13	13:20	65.2	68.1	63.8	65.2	65.2	75	N
24-Oct-13	10:35	59.6	60.8	57.4	65.2	59.6	75	N
30-Oct-13	11:30	60.2	62.6	61.0	65.2	60.2	75	N

	Corrected Noise Level dB(A)
Average	62.3
Max	65.2
Min	59.6

Location: NM6 (PLK Tin Ka Ping Primary School near the entrance - Free Field)
Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

	Measured Noise Level for 30-min, dB(A)				Baseline Noise	Corrected Construction	Limit Level,	Exceedance
Date	Start Time	Leq*	L10*	L90*	Level, dB(A)*	Noise Level, dB(A) **	dB(A) [#]	(Y/N)
2-Oct-13	11:10	62.2	63.4	61.0	64.5	62.2	70	N
8-Oct-13	13:42	60.1	62.1	57.8	64.5	60.1	70	N
18-Oct-13	9:50	61.7	62.9	59.6	64.5	61.7	70	N
24-Oct-13	13:15	63.6	64.7	62.2	64.5	63.6	70	N
30-Oct-13	11:05	64.0	65.5	63.0	64.5	64.0	70	N

_						
	Corrected					
	Noise Level dB(A)					
Average	62.5					
Max	64.0					
Min	60.1					

Remarks

- * +3dB(A) Façade effect correction included
- # Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period.
- ** Construction noise level is only calculated when Measured noise level (Leq) > Baseline noise level.

 If Measured noise level < Baseline noise level, Corrected noise level = Measured noise level

Location: NM7 (Riverain Bayside Switch Room Rooftop - Façade)
Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

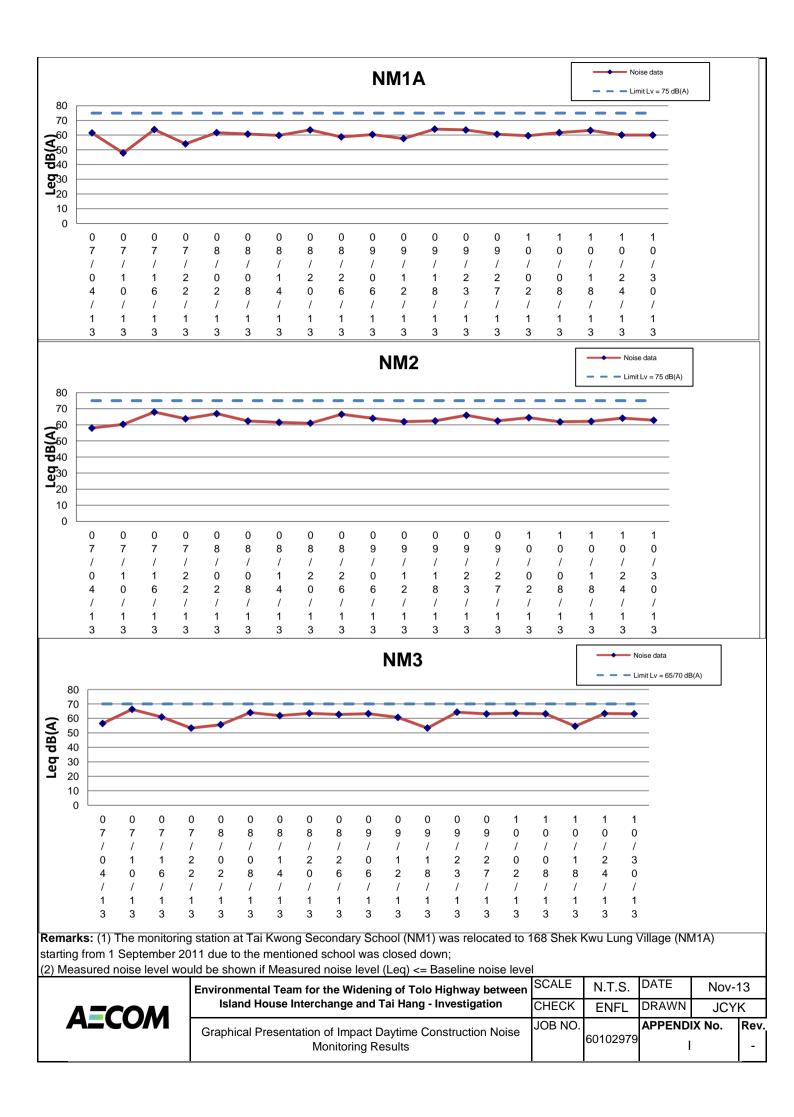
	Measured Noise Level for 30-min, dB(A)			nin, dB(A)	Baseline Noise	Corrected Construction	Limit Level,	Exceedance
Date	Start Time	Leq	L10	L90	Level, dB(A)	Noise Level, dB(A) **	dB(A)	(Y/N)
2-Oct-13	9:55	58.0	59.4	55.7	61.5	58.0	75	N
8-Oct-13	10:09	64.4	65.9	62.5	61.5	61.3	75	N
18-Oct-13	10:38	64.0	65.7	62.1	61.5	60.4	75	N
24-Oct-13	9:35	58.1	59.7	56.6	61.5	58.1	75	N
30-Oct-13	9:40	58.0	59.2	56.3	61.5	58.0	75	N

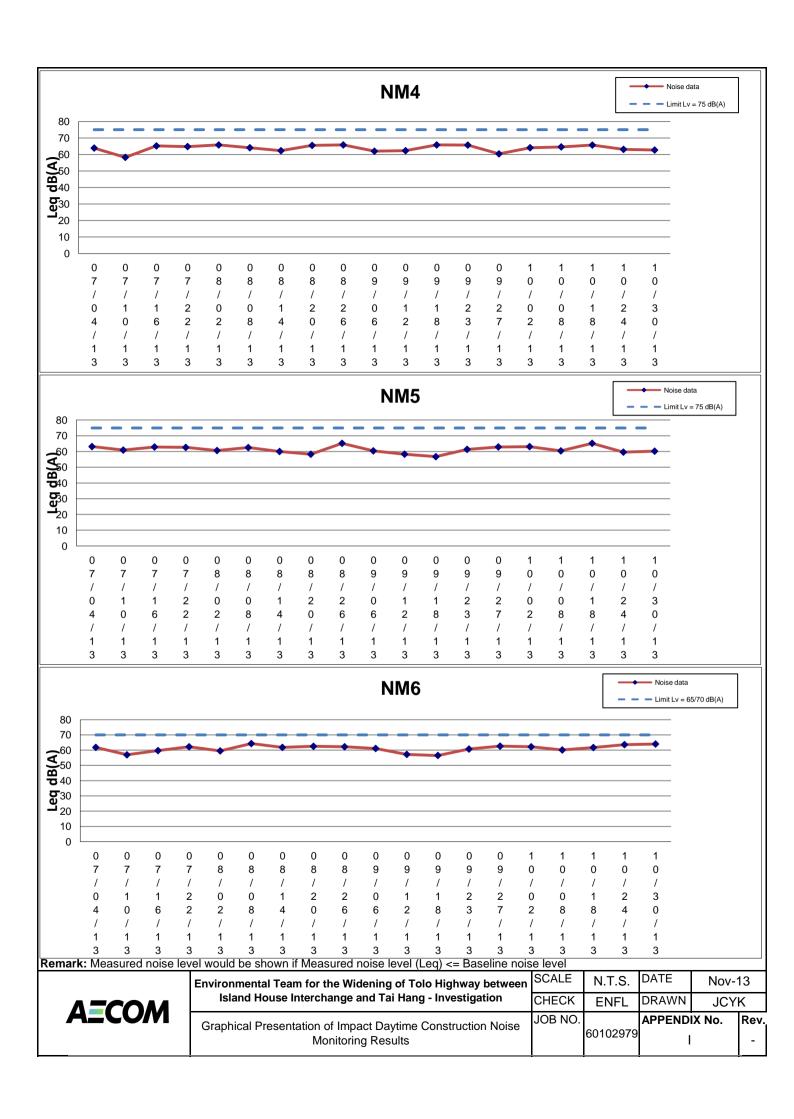
	Corrected Noise Level dB(A)					
Average	59.4					
Max	61.3					
Min	58.0					

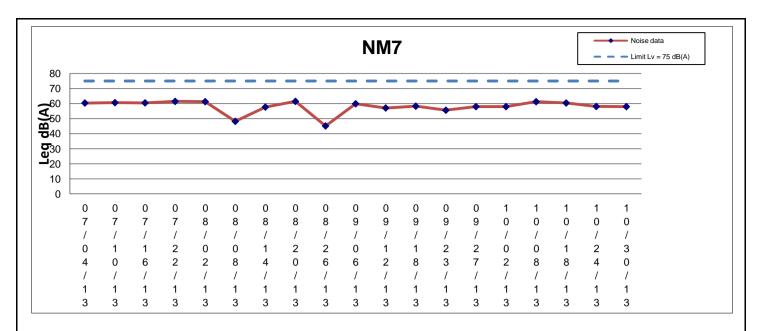
Remarks

^{**} Construction noise level is only calculated when Measured noise level (Leq) > Baseline noise level.

If Measured noise level < Baseline noise level, Corrected noise level = Measured noise level







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



Environmental ream for the widening of Tolo Highway between	SCALE	N.T.S.	DATE	Nov-1	13	
Island House Interchange and Tai Hang - Investigation		ENFL	DRAWN	JCYI	K	
Graphical Presentation of Impact Daytime Construction Noise Monitoring Results	JOB NO.	60102979	APPENDI I	X No.	Rev.	

APPENDIX J EVENT ACTION PLAN

Appendix J – Event Action Plan

Event / Action Plan for Air Quality

Event	Action							
	ET Leader	IEC	ER	Contractor				
Action Level								
Exceedance for one sample	Identify source; Inform IEC and ER; Repeat measurement to confirm finding; Increase monitoring frequency to daily.	Check monitoring data submitted by ET; Check Contractor's working method.	Notify Contractor.	Rectify any unacceptable practice; Amend working methods if appropriate.				
Exceedance for two or more consecutive samples	 Identify source; Inform IEC and ER; Repeat measurements to confirm findings; Increase monitoring frequency to daily; Discuss with IEC and Contractor on remedial actions required; If exceedance continues, arrange meeting with IEC and ER; If exceedance stops, cease additional monitoring. 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise the ER on the effectiveness of the proposed remedial measures; Supervise Implementation of remedial measures. 	Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures properly implemented.	1. Submit proposals for remedial actions to IEC within 3 working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate.				

Event / Action Plan for Air Quality

Event	Action								
Action Level	ET Leader	IEC	ER	Contractor					
Limit Level									
Exceedance for one sample	 Identify source; Inform IEC, ER, Contractor and EPD; Repeat measurement to confirm finding; Increase monitoring frequency to daily; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise ER on the effectiveness of the proposed remedial measures; Supervise implementation of remedial measures. 	 Confirm receipt of notification of exceedance in writing; Notify Contractor; Ensure remedial measures properly implemented. 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Amend proposal if appropriate. 					
Exceedance for two or more consecutive samples	 Notify IEC, ER, Contractor and EPD; Identify source; Repeat measurement to confirm findings; Increase frequency to daily; Analyse Contractor's working procedures to determine possible mitigation to be; Arrange meeting with IEC and ER to discuss the remedial actions to be taken; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; If exceedance stops, cease additional monitoring. 	 Discuss amongst ER, ET, and Contractor on the potential remedial actions; Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise ER accordingly; Supervise the implementation of remedial measures. 	 Confirm receipt of notification of exceedance in writing; Notify Contractor; In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented; Ensure remedial measures properly implemented; If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Resubmit proposals if problem still not under control; Stop the relevant portion of works as determined by ER until the exceedance is abated. 					

Event / Action Plan for Noise Impact

Event	Action									
Limit Level	ET Leader	IEC	ER	Contractor						
Action Level	 Notify IEC and the Contractor. Carry out investigation. Report the results of investigation to IEC and the Contractor. Discuss with the Contractor and formulate remedial measures. Increase monitoring frequency to check mitigation effectiveness. 	 Review with analysed results submitted by ET. Review the proposed remedial measures by the Contractor and advise ER accordingly. Supervise the implement of remedial measures. 	 Confirm receipt of notification of failure in writing. Notify the Contractor. Require the Contractor to propose remedial measures for the analysed noise problem. Ensure remedial measures are properly implemented. 	Submit noise mitigation proposals to IEC. Implement noise mitigation proposals.						
Limit Level	 Notify, IEC, ER, EPD and the Contractor. Identify the source. Repeat measurement to confirm findings. Increase monitoring frequency. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented. Inform IEC, ER, and EPD the causes & actions taken for the exceedances. Assess effectiveness of the Contractor's remedial actions and keep IEC, EPD and ER informed of the results. If exceedance stops, cease additional monitoring. 	 Discuss amongst ER, ET Leader and the Contractor on the potential remedial actions. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise ER accordingly. Supervise the implementation of remedial measures. 	 Confirm receipt of notification of failure in writing. Notify the Contractor. Require the Contractor to propose remedial measures for the analysed noise problem. Ensure remedial measures are properly implemented. If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated. 	 Take immediate action to avoid further exceedance. Submit proposals for remedial actions to IEC within 3 working days of notification. Implement the agreed proposals. Resubmit proposals if problem still not under control. Stop the relevant activity of works as determined by the ER until the exceedance is abated. 						

APPENDIX K SITE INSPECTION SUMMARIES



Site Inspection Summary

Contract No.	HY/2008/09 (Between Island House Interchange and Ma Wo)
Date:	2 October 2013
Time:	14:00
Inspection No.:	377

Date: 2 October 2013			
Time:		14:00	
Inspection No.: 377			
No	Non-compliance		
	Nil		
Ol	bservations		
	Follow Up C	<u>Observation</u>	
1.	The constru	ction waste within the construction area at bridge 10 had been removed. (Closed)	
	New Observ	<u>ration</u>	
	Nil.		
	IVII.		
Remarks			
	Nil		
1			

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Site Inspection Summary

Contract No.	HY/2009/08 (Between Ma Wo and Tai Hang)
Date:	3 October 2013
Time:	14:00
Inspection No.:	378

Contract No.		No.	HY/2009/08 (Between Ma Wo and Tai Hang)
Date:			3 October 2013
Time:			14:00
Inspection No.: 378		378	
	Non-com	oliance	
	Nil		
	Observat	ions	
	Foll	ow Up O	bservations
	1. The	oil cans	at Link Bridge 1 had been removed. (Closed)
	2. The	e cement	bags at Link Bridge 1 had been removed. (Closed)
	3. The	3. The standing water within the drip try at Link Bridge 1 had been removed. (Closed)	
	<u>Nev</u>	w Observ	<u>ation</u>
		Mud trails were observed at Gate 65. The Contractor was reminded to clear the mud trails and prever vehicles from bringing the mud trails to the public roads.	
	Remarks		
	Nil		
		INII	



Site Inspection Summary

Contract No.	HY/2008/09 (Between Island House Interchange and Ma Wo)
Date:	9 October 2013
Time:	14:30
Inspection No.:	379

Time:	14:30		
Inspection No.:	379		
Non-compliance			
Nil			
Observations			
Follow Up O	<u>bservation</u>		
Nil.			
New Observ	<u>ation</u>		
Nil.			
Remarks			
Nil			



Site Inspection Summary

Contract No.	HY/2009/08 (Between Ma Wo and Tai Hang)
Date:	10 October 2013
Time:	09:00
Inspection No.:	380

	0.	00.00	
Inspection No.: 380			
Non	-compliance		
	Nil		
	INII		
Obs	ervations		
	Follow Up C	<u>bservations</u>	
1.	Mud Trails a	at Gate 65 were cleared. (Closed)	
	New Observ	<u>ration</u>	
	Nil.		
	INII.		
Remarks			
	Nil		

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Site Inspection Summary

Contract No.	HY/2008/09 (Between Island House Interchange and Ma Wo)
Date:	16 October 2013
Time:	09:15
Inspection No.:	381

Time:	09:15		
Inspection No.:	381		
Non-compliance			
Nil			
Observations			
Follow Up C	Observation		
Nil.			
New Observ	<u>ration</u>		
Nil.			
Remarks			
NEI			
Nil			



Site Inspection Summary

Contract No.	HY/2009/08 (Between Ma Wo and Tai Hang)
Date:	17 October 2013
Time:	14:30
Inspection No.:	382

Inspection No.: 382
Non-compliance
Nil
Observations
Follow Up Observations
Nil.
New Observation
Nil.
Remarks
Nil



Site Inspection Summary

Contract No.	HY/2008/09 (Between Island House Interchange and Ma Wo)
Date:	23 October 2013
Time:	09:15
Inspection No.:	383

Dail	J.	23 October 2013
Time	e:	09:15
	ection No.:	383
	-compliance	
	Nil	
Obs	ervations	
	Follow Up C	<u>bservation</u>
	Nil.	
	New Observ	<u>ration</u>
1.	Oil cans we	re observed at Gate 41. The Contractor was reminded to provide a drip tray to hold the oil ove the oil cans.
Ren	narks	
	Nil	
1		



Site Inspection Summary

Contract No. HY/2009/08 (Between Ma Wo and Tai Hang)			
Date:	24 October 2013		
Time:	14:30		
Inspection No.:	384		

Time:	14:30
Inspection No.:	384
Non-compliance	
Nil	
Observations	
Follow Up O	<u>bservations</u>
Nil.	
New Observ	<u>ration</u>
1. The contract	tor was reminded to remove the general refuse at W74.
Remarks	
Nil	
INII	

Remarks		
Nil		



Site Inspection Summary

Contract No. HY/2008/09 (Between Island House Interchange and Ma Wo)	
Date:	30 October 2013
Time:	09:30
Inspection No.:	385

Time: 09:30				
Inspection No.: 385				
Non-compliance				
Nil				
Observations				
Follow Up Observation				
1. The chemicals had been removed and stored inside the drip tray. (Closed)				
New Observation				
N. C.				
Nil.				
Remarks				
Nil				



Site Inspection Summary

Contract No.	HY/2009/08 (Between Ma Wo and Tai Hang)
Date:	31 October 2013
Time:	14:30
Inspection No.:	386

COIL	ilaci No.	111/2009/00 (Detween Ma Wo and Tai Hang)
Date);	31 October 2013
Time	e:	14:30
Inspe	ection No.:	386
	-compliance	
	Nil	
Obse	ervations	
	Follow Up O	bservation
1.		se at W74 was removed. (Closed)
	New Observ	ation_
2.	The contract	tor was reminded to provide a larger drip try to hold oil drums at Lam Kam Bridge.
3.	The contract Bridge.	tor was reminded to provide a drip try to oil cans to prevent oil leakage at Lam Kam
Rem	narks	
	Nil	
1		

APPENDIX L
STATISTICS ON COMPLAINTS,
NOTIFICATION OF SUMMONS AND
SUCCESSFUL PROSECUTIONS

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

	Date Received	Subject	Status	Total no. followed up by ET in this month	Total no. followed up by ET since project commencement
Environmental complaints	-	-	-	1	33
Notification of summons	-	-	-	0	0
Successful Prosecutions	-	-	-	0	0