Highways Department

Route 8 (previously known as Route 9) between Cheung Sha Wan & Sha Tin

Contract No. HY/2003/10 - Environmental Team for Lai Chi Kok Viaduct and Eagle's Nest Tunnel

Quarterly EM&A Report Part I – Lai Chi Kok Viaduct (Version 1.0)

December 2005 to February 2006

Approved By	Chujnt
	(Environmental Teath Leader)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties.

CINOTECH CONSULTANTS LTD Room 1602-1610, Delta House, 3 On Yiu Street, Shatin, NT, Hong Kong Tel: (852) 2151 2083 Fax: (852) 3107 1388 Email: info@cinotech.com.hk

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EXECUTIVE SUMMARY

- This is the ninth Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the "Route 8 (previously known as Route 9) between Cheung Sha Wan & Sha Tin, Lai Chi Kok Viaduct & Eagle's Nest Tunnel". This summary report documents the findings of EM&A works performed in the period between December 2005 and February 2006 for Contract No. HY/2003/01, Route 8 Lai Chi Kok Viaduct (the Project).
- The major site activities undertaken in the reporting month included piling works, construction of pile caps and piers, bulk excavation and segment erection works.

Environmental Monitoring Works

- Environmental monitoring for the Project was performed regularly as stipulated in the EM&A Manuals and the results were checked and reviewed. Environmental site audits were conducted once per week. The implementation of the environmental mitigation measures, Event Action Plans and environmental complaint handling procedures were also checked.
- Summary of the events and action taken in the reporting quarter is tabulated in **Table I**.

D (No. of Ex	ceedance	No. of Events					
Parameter	Action Level	Limit Level	due to the Project	Action Taken				
December 2005								
1-hr TSP	0	0	0	N/A				
24-hr TSP	0	0	0	N/A				
Noise	0	0	0	N/A				
January 2006								
1-hr TSP	0	0	0	N/A				
24-hr TSP	0	0	0	N/A				
Noise	1 ^a	0	0	Complaint Investigation				
February 2006	·		·					
1-hr TSP	0	0	0	N/A				
24-hr TSP	0	0	0	N/A				
Noise	4 ^a	0	0	Complaint Investigation				

Table I Summary Table for Events Recorded in the Reporting Quarter

Remarks:

(a) The noise action level exceedance was recorded due to a noise complaint received on 18 January, 13, 16, 20 and 22 February 2006.

Environmental Licensing and Permitting

 Licenses/Permits granted to the Project include the Environmental Permit (EP) for the Project, Construction Noise Permits (CNP) and Water Discharge Licenses (WDL). The Contractor had also registered as a Chemical Waste Producer.

Key Information in the Reporting Quarter

• Summary of key information in this reporting quarter is tabulated in **Table II**.

 Table II
 Summary Table for Key Information in the Reporting Quarter

E	Eve	ent Details	A stion Taken	Status	Remark
Event	Number	Nature	Action Taken	Status	Kemark
Complaint received	6	1 on dust 5 on noise	Complaint investigation	Closed	
Changes to the assumptions and key construction / operation activities recorded	0		N/A	N/A	
Status of submissions under EP	0		N/A	N/A	
Notifications of any summons & prosecutions received	0		N/A	N/A	

Future Key Issues:

Major site activities for the coming month include:

- Construction of abutment and columns;
- Bulk excavation;
- Rock dowels installation;
- Soil nail installation;
- Retaining wall construction;
- Drainage works;
- Cast in-situ of slip roads; and
- Segment erection by lifting frame and launching gantry.

The anticipated environmental impacts will be mainly on dust generation and construction noise impact from slope works.

1. INTRODUCTION

- 1.1 Route 9 (Kowloon Section) (R9K) (hereinafter call the R9K-Project) forms part of the Route 9 between Cheung Sha Wan and Sha Tin (R9-CSWST) project, which will be a new expressway connecting West Kowloon and Sha Tin. It will be the fourth external link between Sha Tin and Kowloon and will form an important link between the northeast New Territories and the west Kowloon, Lantau Island and the western New Territories. R9K is being managed and implemented by the Highways Department (HyD).
- 1.2 The engineering design of R9K is covered under Agreement No. CE 50/98 "Route 9 between Cheung Sha Wan and Sha Tin Design Construction Assignment". The main consultant engaged under Agreement No. CE 50/98 is Maunsell Hyder Joint Venture (MHJV), who will act as the Engineer for the construction contracts. The works of R9K mainly comprise a 1.4km dual 3-lane Lai Chi Kok Viaduct from Lai Wan Interchange to Butterfly Valley; 0.5 km of dual 3-lane at-grade carriageway linking to the 2.1 km dual 3-lane twin-bore Eagle's Nest Tunnel with associated portal buildings; a toll plaza with an administration building located with the Sha Tin valley woodland; a ventilation building and an adit; associated noise barriers, noise enclosures, drainage, slope and landscape works; and electrical and mechanical works for the whole R9-CSWST. The remainder of the R9-CSWST forms the Sha Tin Section (R9S) of the project and is being managed and implemented separately by the Civil Engineering and Development Department (CEDD).
- 1.3 The R9-CSWST project is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 449) (EIAO). An environmental impact assessment (EIA) report has been prepared in 1998 for the R9-CSWST project (1998 R9 EIA) to consider the key issues of noise, air quality, water quality, ecological, construction waste, landscape and visual, land use and cultural impacts, and identify possible mitigation measures.
- 1.4 An Updated Final EIA report was subsequently completed in August 1999 for the R9-CSWST project (1999 R9 EIA), to cater for some changes in R9K portion as mentioned in paragraph 1 in the report. The 1999 R9 EIA was endorsed by Environmental Protection Department (EPD) in November 1999. The 1998 R9 EIA and the 1999 R9 EIA (R9 EIA Reports) were included in the EIA register under the EIAO as report no. EIA-135/BC and AEIAR-022/1999 respectively. An Environmental Monitoring and Audit (EM&A) Manuals for each of the R9 EIA Reports (EM&A Manuals) were also included as part of the EIA reports in the register.
- 1.5 Subsequent to the endorsement of the R9 EIA Reports by EPD in November 1999, the project programme was deferred to start in 2002/2003 for completion by 2006/07. The implementation of the project was then separated into the R9S and R9K portion. An Environmental Permit (EP) No. EP-103/2001 was issued on 17 September 2001 for R9K to the HyD as Permit Holder. A varied EP-103/2001/C was recently issued on 22 July 2005.

- 1.6 The major construction activities of two civil contracts of the R9K project, Contract No. HY/2003/01 entitled "Route 9 Lai Chi Kok Viaduct" and Contract No. HY/2003/02 entitled "Route 9 Eagle's Nest Tunnel and Associated Works", were commenced in 15th December 2003 for completion in April 2007.
- 1.7 "Route 9" was recently re-titled as "Route 8 (previously known as Route 9)". Cinotech Consultants Limited (Cinotech) was commissioned by HyD to undertake the Environmental Monitoring and Audit works for "Route 8 (previously known as Route 9) between Cheung Sha Wan and Sha Tin Environmental Team (ET) for Lai Chi Kok Viaduct and Eagle's Nest Tunnel (Contract No. HY/2003/10)". Dr. Priscilla CHOY of Cinotech was appointed as the ET Leader under Condition 2.2 of the EP. Mr. David YEUNG of CH2M-IDC Hong Kong Ltd. was appointed as the IEC under Condition 2.1 of the EP. This is the ninth quarterly EM&A report summarizing the EM&A works for the LCKV Project between December 2005 and February 2006.

2 **PROJECT CHARACTERISTICS**

Project Organization and Contacts of Key Management

2.1 An organization structure and the line of communication were set up for the Project between the Project Proponent, Engineer's Representative (ER), Independent Environmental Checker (IEC), the Contractor and Environmental Team (ET). The organization chart and contact details are shown in **Figure 2** and **Appendix A**.

Construction Programme and Synopsis of Work

- 2.2 The construction programme is presented in **Appendix B**. The site activities during the reporting period include:
 - Construction of abutments, pile caps and columns at Slip Roads C and D, Lai Wan Overpass and Main Viaduct;
 - Bulk excavation works at CCR-R1 and LCK-R2;
 - Bulk excavation works, soil nails and rock dowel installation at slope CCR-S1, CCR-S2, CCR-R3 at 11NW-A/C26;
 - Drainage works at Rest Garden area, Hoi Lai Estate, Piers B1 and P5;
 - Segment erection by lifting frame at B2, P13, P16 to P20;
 - Pier construction at Slip Road D;
 - Retaining wall construction at CCR-R1, CCR-R2, CCR-R3, CCR-R5 and LCK-R2;
 - Buttress wall construction at CCR-S1;
 - Cast in-situ of Slip Road C;
 - Bored piling work at R3;
 - Segment erection at Main Viaduct by launching gantry at night at Piers P8 to P10, P15 to P17;
 - Spraying concrete at R3; and
 - Parapet erection along slip road A.

3 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

Monitoring Parameters and Monitoring Locations

3.1 The EM&A Manuals designate locations for the ET to monitor environmental impacts in terms of noise and air quality due to the Project. The monitoring locations are depicted in **Figure 1**. **Appendix C** gives details of monitoring requirements.

Monitoring Methodology and Calibration Details

3.2 Monitoring works/equipments were conducted/calibrated regularly in accordance with the EM&A Manual. Copies of calibration certificates are attached in the appendices of the Monthly EM&A Reports.

Environmental Quality Performance Limits (Action and Limit Levels)

3.3 The environmental quality performance limits, i.e. Action and Limit Levels were derived from the baseline monitoring results. Should the measured environmental quality parameters exceed the Action/Limit Levels, the respective Event Action Plans would be implemented. The Action/Limit Levels for each environmental parameter are provided in **Appendix D**.

Environmental Mitigation Measures

3.4 Relevant mitigation measures as recommended in the project EIA report have been stipulated in the EM&A Manual for the Contractor to implement. A list of mitigation measures is provided in **Appendix G**.

4 MONITORING RESULTS

Weather Conditions

4.1 The weather during monitoring sessions was mainly sunny or cloudy. The weather conditions for each individual monitoring session were presented in the field record sheets.

Air Quality

<u>1-hr TSP Monitoring</u>

4.2 All 1-hr TSP monitoring was conducted as scheduled in this reporting quarter. No Action / Limit Level exceedance was recorded in the reporting quarter.

24-hr TSP Monitoring

- 4.3 All 24-hr TSP monitoring was conducted as scheduled in this reporting quarter. No Action / Limit Level exceedance was recorded in the reporting quarter.
- 4.4 As noted by the monitoring team, road traffic dust from Ching Cheung Road was identified as the major dust source at the monitoring station during the monitoring.
- 4.5 The monitoring data of 1-hr and 24-hr TSP Levels are attached in the appendices of the Monthly Reports for December 2005 to February 2006. The graphical presentations of the monitoring results are shown in **Appendix E**.

Construction Noise

- 4.6 All construction noise monitoring was conducted as scheduled in this reporting quarter. No Limit Level exceedance was recorded.
- 4.7 Five noise complaints were received on 18 January, 13, 16, 20 and 22 February 2006, triggering noise Action Level exceedances. The details can refer to **Appendix I**.
- 4.8 At Stations NM4, NM8a and NM8b, the major noise source identified during the monitoring exercises was mainly road traffic noise. At Station NM9, construction noise from the Project was identified as the major noise source during monitoring.
- 4.9 All the Construction Noise Levels (CNLs) reported in this report were adjusted with the corresponding baseline level (i.e. Measured Leq Baseline Leq = Measured CNL), in order to facilitate the interpretation of the noise exceedance.
- 4.10 The monitoring data of construction noise are attached in the appendices of the Monthly Reports for December 2005 and February 2006. The graphical presentations of the monitoring results are shown in **Appendix F**.

5 ENVIRONMENTAL AUDIT

Implementation Status of Environmental Mitigation Measures

5.1 According to the Environmental Permit and the EM&A Manuals, the mitigation measures detailed in the documents are required to be implemented. An updated summary of the Environmental Mitigation Implementation Status (EMIS) is provided in **Appendix G**.

Site Audit Summary

- 5.2 ET's weekly site audits were conducted on 6, 14, 22 and 29 December 2005, 4, 11, 19 and 25 January, 2, 6, 16 and 23 February 2006. IEC's monthly site audits were conducted on 6 December 2005, 4 January and 6 February 2006 together with ET.
- 5.3 During site inspections in the reporting period, no non-conformance was identified. The observations and recommendations are summarized in **Table 5.1**.

Parameters	Date	Observations and Recommendations	Follow-up
Water Quality	6-Feb-06	The temporary drainage system and the associated desilting facilities at the entrance of R2 were found inadequate. The Contractor was reminded to review the drainage system and provide sufficient desilting for the surface runoff and wheel wash water before discharge.	The situation was found improved / rectified during the audit on 16-Feb-06.
Air Quality	06-Dec-05	Uncovered stockpiles were observed at S4 and S1. The Contractor was reminded to cover the idled stockpiles properly to prevent dust emission.	The situation was found improved / rectified during the audit on 14-Dec-05.
	14-Dec-05	No water spray was applied for the breaking work at R2. The Contractor was reminded to apply water spray for the work to minimize dust emission.	The situation was found improved / rectified during the audit on 22-Dec-05.
	4-Jan-06	Dust tracks were observed deposited on the public road near the site exit of R2. The Contractor was recommended to repair the broken concrete pavement at the exit.	The situation was found improved / rectified during the audit on 11-Jan-06.
	16-Feb-06	The access road at the exit of Mui Kong Tsuen site was deposited with dusty materials. The Contractor was reminded to keep the access road clean.	The situation was found improved / rectified during the audit on 23-Feb-06.

 Table 5.1
 Observations and Recommendations of the Site Audits

Parameters	Date	Observations and Recommendations	Follow-up
	16-Feb-06	Dark smoke emission from a drilling machine was observed at Slope S1. The Contractor was reminded to keep the equipment well- maintained.	The situation was found improved / rectified during the audit on 23-Feb-06.
Noise	06-Dec-05	No noise emission label was affixed on an air compressor operating at P1R. The Contractor was reminded to provide a valid NEL for the compressor as soon as possible.	The situation was found improved / rectified during the audit on 14-Dec-05.
	22-Dec-05	The noise label of air compressor was found missing at R3. The contractor was reminded to provide a noise label on the air compressor.	The situation was found improved / rectified during the audit on 14-Dec-05.
Chemical Management	06-Dec-05	Oil drums were not placed on bunded area at WMT's workshop. The Contractor was reminded to provide a drip tray for the drum.	The situation was found improved / rectified during the audit on 14-Dec-05.
	29-Dec-05	Oil dripping from drip tray was observed on the bridge at P5L. The contractor was reminded to block the water discharging hold of the drip tray.	The situation was found improved / rectified during the audit on 4-Jan-06.
	4-Jan-06	Rubbish was observed scattering in the open channel near P13. In addition, refuse accumulation was observed at P18. The Contractor was reminded to collect the refuse and remove it regularly.	The situation was found improved / rectified during the audit on 11-Jan-06.
	19-Jan-06	Spilled fuel oil was accumulated in drip tray at Mui Kong Tsuen. The contractor was reminded to collect the oil.	The situation was found improved / rectified during the audit on 25-Jan-06.
	25-Jan-06	General refuse was accumulated at Mui Kong Tsuen. The Contractor was reminded to keep the site area tidy.	The situation was found improved / rectified during the audit on 2-Feb-06.
	2-Feb-06	Oil stain was observed on road at Mui Kong Tsuen. The Contractor was reminded to collect the stained soil.	The situation was found improved / rectified during the audit on 6-Feb-06.
	6-Feb-06	Refuse was found scattering under the slip road near Abutment A. The Contractor was reminded to keep the site area tidy.	The situation was found improved / rectified during the audit on 16-Feb-06.

Status of Environmental Licensing and Permitting

5.4 Environmental licenses and permits including the Environmental Permit for the Project were in place and valid during the reporting quarter. The status of all licenses and permits obtained for the Project is summarized in **Appendix H**.

6 NON-COMPLIANCE (EXCEEDANCES) OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMITS (ACTION AND LIMIT LEVELS)

Summary of Exceedances

Air Quality

6.1 No Action / Limit Level exceedance was recorded.

Construction Noise

6.2 No Limit Level exceedance was recorded in the reporting period. Five Action Level exceedances were triggered by noise complaints received on 18 January, 13, 16, 20 and 22 February 2006.

Review of the Reasons for and the Implications of Non-compliance

6.3 There was no non-compliance from the site audits in the reporting quarter. As mentioned previously in the Section 5.2 of this report, the observations and recommendations made in each individual site audit session were presented.

7 ENVIRONMENTAL COMPLAINTS

7.1 Six environmental complaints were received in the reporting period.

Log no. 60118 (Received on 18 Jan 06)

7.2 The complaint, which was lodged by a resident of Hoi Ming House of Hoi Lai Estate, was about construction noise nuisance caused by works at Lai Po Road near Hoi Lai Estate. The noise nuisance was noted since 14 January 2006 during the periods from 2330 hrs to 0600 hrs. Complaint investigation was undertaken by ET. The complaint was considered not justifiable based on the noise measurement results. The complaint investigation report was submitted to EPD on 27 January 2006.

Log no. 60119 (Received on 19 Jan 06)

7.3 The complaint, which was lodged by resident of Mei Foo Sun Chuen Phase 5, was about construction dust nuisance generated at construction sites along Ching Cheung Road. According to the site observations and environmental monitoring results, the complaint was considered not justifiable. The complaint investigation report was submitted to EPD on 2 February 2006.

Log no. 60213, 60216, 60220, 60222 (Received on 13, 16, 20 and 22 Feb 06)

- 7.4 Four environmental complaints were received in this reporting month. Three of them were referred by EPD on 13th, 20th and 22nd February 2006 and the other one was referred by HyD via MHJV on 16th February 2006:
 - All about construction noise due to night works at Lai Po Road near Hoi Lai Estate.
 - According to RSS's information, night works were undertaken by the Contractor under valid CNPs for the segment erection works.
 - Ad-hoc night inspection was performed on 16th February 2006 by ET. Noise measurement was undertaken and most of the measured noise levels were below the noise criteria. Major noise source identified was the road traffic noise from Sham Mong Road and Lai Po Road.
 - As mitigation, the Contractor turned off the alarm sound of tractor, which serves as a safety measures during backward movement.
 - The complaint was considered not justifiable and reply to EPD was made on 21st February and 3rd March 2006.
- 7.5 There were 22 complaints received since the Project commencement. All complaints have been handled in accordance with the EM&A Manuals. The implementation status of the complaint handling procedure is summarized in **Appendix I**.

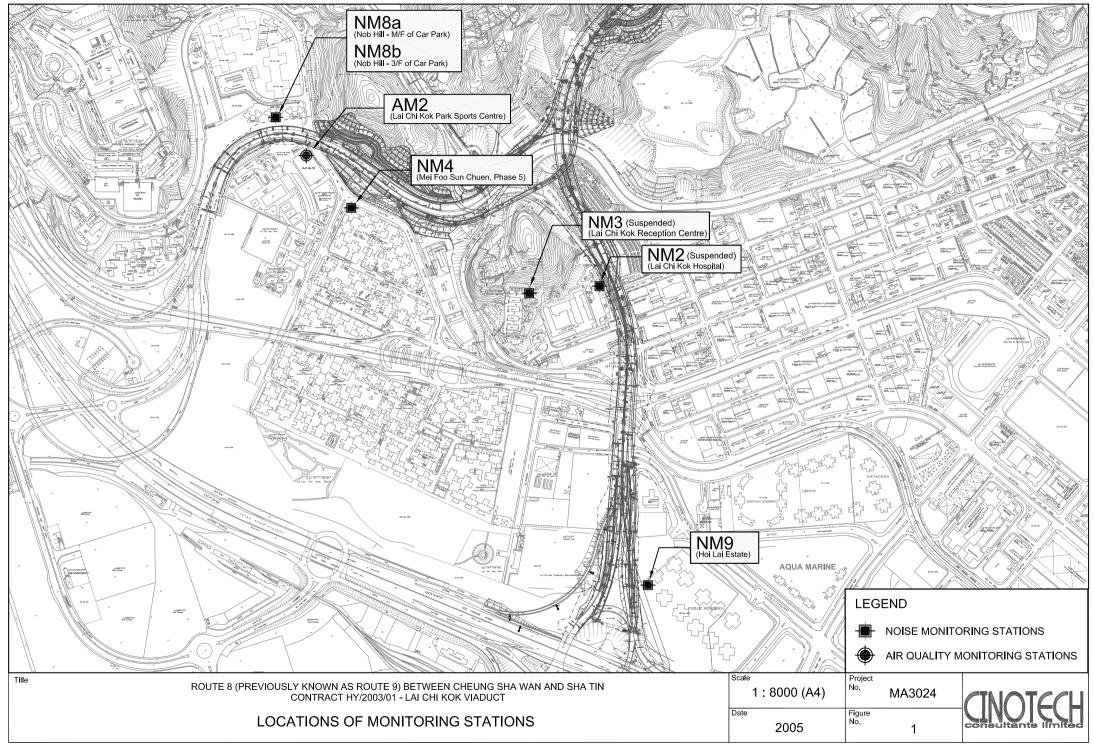
8 NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

- 8.1 Further to incident of mosquito larvae being identified in a plant pot drip tray on 21 July 2005 during FEHD's site inspection, the Contractor was prosecuted under the Public Health and Municipal Services Ordinance (Cap.132). After the hearing on 6 December 2005, the Contractor was fined \$5,000 by the Kowloon City magistrate's court.
- 8.2 There was 1 successful prosecution received since the Project commencement.

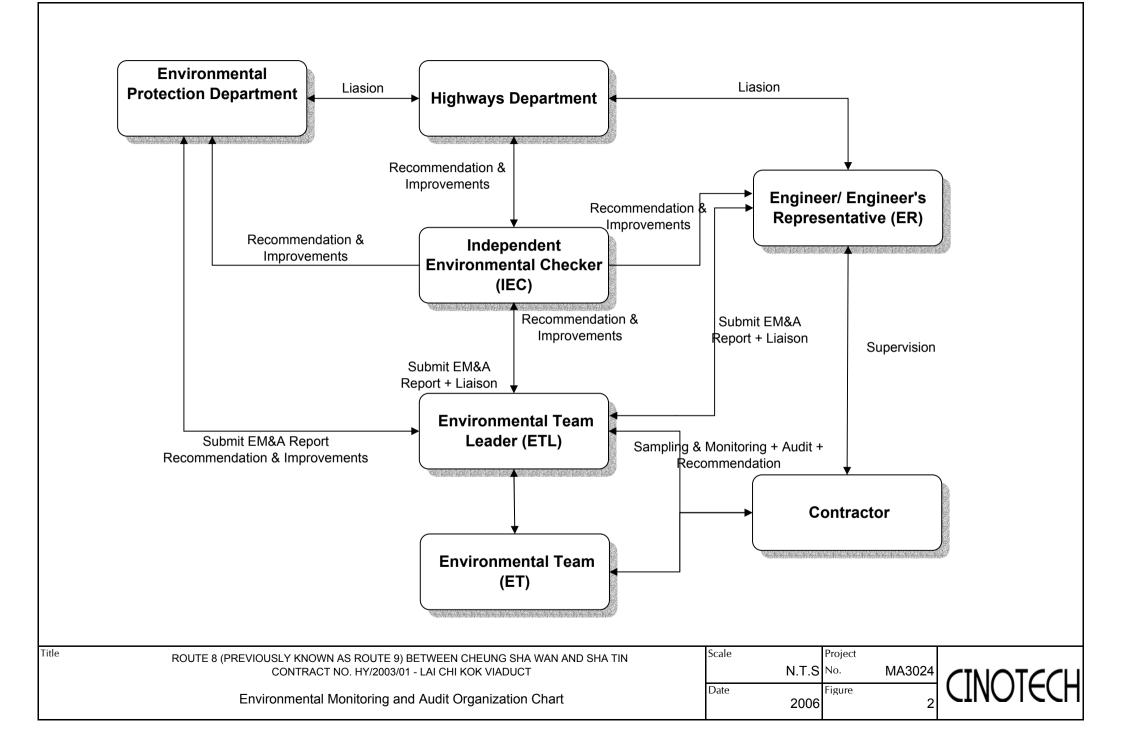
9 COMMENTS, CONCLUSIONS AND RECOMMENDATIONS

- 9.1 Major site activities for the coming quarter include:
 - Construction of abutments at Slip Roads C, C and column at Slip Road C;
 - Bulk excavation works, rock dowels installation and soil nails installation at slope CCR-S1;
 - Bulk excavation works and soil nails installation at slope CCR-S4;
 - Bulk excavation works and retaining wall construction at CCR-R1 and CCR-R3;
 - Drainage works at Rest Garden area, Hoi Lai Estate, Piers B1 and P5;
 - Segment erection by lifting frame at P19 and Slip Roads C and D;
 - Segment erection by launching gantry at night at Pier P17;
 - Cast in-situ of Slip Road C; and
 - Cast in-situ and precast segment erection at Slip Road D.
- 9.2 The anticipated environmental impacts will be mainly on water quality impact at R2, R3 and S4, construction noise from excavation works at S1, R2, R3 and S4, as well as nighttime construction noise from segment transportation and erection works.

FIGURES



F:\PROJECTS\MA3024\DRAWING\IMPACT\LCK\FIGURE 1_LAYOUT_05.DWG



APPENDIX A CONTACT DETAILS OF THE PROJECT ORGANISATION

Party	Role	Name	Position	Phone No.	Fax No.
		Mr. K.T. Lee	SE3/R9K	2762 3684	
HyD	Permit Holder	Mr. Albert Cheung	E6/R9K	2762 3598	2714 5198
		Mr. L.C. Chung	E4/R9K	2762 3613	
	Engineer	Mr. Conrad Ng	Project Manager	2605 6262	2691 2649
MHJV	En sin sen's	Mr. D.F. Lilliman	CRE	2959 0010	
MHJ V	Engineer's	Mr. Henry Liu	SRE	2991 1068	2959 0290
	Representative	Mr. Joseph Chi	RE	2991 1034	
		Dr. Priscilla Choy	The ET Leader	2151 2089	
Cinotech	Environmental Team	Mr. KK Chan	Audit Team Leader	2151 2077	3107 1388
	Team	Mr. Henry Leung	Monitoring Team Leader	2151 2087	
	Independent	Mr. David Yeung	Independent Environmental Checker	2872 2934	2507 2202
CH2M-IDC	Environmental Checker	Mr. Billy Yu	Assistant Independent Environmental Checker	2872 2949	2507 2293
		Mr. Rafael Rubio	Project Director		
Assiona	Contractor Mr. Lawrence Kwok		QA/E Manager	2956 3300	2956 3331
24-hour Emer	gency Hotline			2370 9200	-

Appendix A - Contact Details of the Project Organisation (LCKV)

APPENDIX B CONSTRUCTION PROGRAMME

Activity	Activity	Orig. Early Early Late Late				Late			2006					
Activity	Description	Durn.	Start	Finish	Start	Finish	JAN		FEB		MA	R		PR
	The second se	Durn.	otart	Timon	Otart	TIMON	16 23	30 6	13 20	27	6 13	20 27	3 10	17 2
Procurem	ient													
Segmental	Deck Casting (Type A Units)													
SD2650A	P17/L-Up - Cast 9 Segments Type A	17	09JAN06A	23JAN06	09JAN06A	23SEP05	SD2	650A						
SD2660	P17/R-Up - Cast 12 Segments Type A	20	12JAN06A	03FEB06	12JAN06A	28SEP05		SD2	660					
SD2650	P17/L-Down - Cast 9 Segments Type A	18	20JAN06	12FEB06	08SEP05	27SEP05			SD2650					
SD2700A	P19/R-Down - Cast 10 Segments Type A	16	24JAN06	13FEB06	15NOV05	01DEC05			SD2700	A				
SD2700	P19/R-Up - Cast 10 Segments Type A	17	04FEB06	22FEB06	18NOV05	06DEC05				SD2700				
SD2690A	P19/L-Down - Cast 9 Segments Type A	16	13FEB06	02MAR06	30NOV05	17DEC05				S	02690A			
SD2690	P19/L-Up - Cast 9 Segments Type A	22	14FEB06	10MAR06	02DEC05	26DEC05					SD26	90		
SD2720	P20/L-Down - Cast 13 Segments Type A	22	23FEB06	18MAR06	07DEC05	30DEC05				1		SD2720		
SD2715	P20/R-Down - Cast 12 Segments Type A	26	03MAR06	31MAR06	18DEC05	15JAN06						-	SD2715	
SD2720A	P20/L-Up - Cast 13 Segments Type A	21	11MAR06	03APR06	27DEC05	18JAN06				1		1 1	SD2720/	A
SD2710	P20/R-Up - Cast 12 Segments Type A	17	20MAR06	07APR06	31DEC05	18JAN06							SD27	10
SD2740	P21/R-Down - Cast 9 Segments Type A	17	01APR06	19APR06	16JAN06	07FEB06							and the second second	SD27
SD2730A	P21/L-Up - Cast 8 Segments Type A	14	04APR06	18APR06	19JAN06	07FEB06						SD273	A	
SD2730	P21/L-Down - Cast 8 Segments Type A	12	08APR06	20APR06	19JAN06	04FEB06						S	D2730	
SD2740A	P21/R-Up - Cast 9 Segments Type A	14	20APR06	06MAY06	08FEB06	22FEB06							SD27	40A
SD2760	Abutment M/R - Cast 5 Segments Type A	10	19APR06	29APR06	21FEB06	03MAR06							SD27	60
Segmental	Deck Casting (Type B Units)				1									
SD3290	PA/L (North) - Cast 9 seg Type B	18	20JAN06	12FEB06	18MAY05	06JUN05			SD3290	1			11	
SD3430	D2-Pierhead & Up - Cast 14 Segments Type B	22	15JAN06A	06FEB06	15JAN06A	26SEP05		S	3430					
SD3430A	D2-Down - Cast 13 Segments Type B	22	10JAN06A	06FEB06	10JAN06A	26SEP05			3430A					
SD3440	D1-Pierhead & Up - Cast 11 Segs Type B	20	17DEC05A	21JAN06	17DEC05A	17SEP05	\$D344	o				1 - 1		
SD3390	D6-Pierhead & Up - Cast 9 seg Type B	16	30NOV05A	09FEB06	30NOV05A	08OCT05			SD3390					
SD3390A	D6-Pierhead & Down - Cast 9 seg Type B	16	23JAN06	12FEB06	19SEP05	06OCT05		-	SD3390A	1				
SD3460	P19 Slip C-Up - Cast 10 Segments Type B	19	07FEB06	27FEB06	27SEP05	19OCT05				SD3	160			
SD3460A	P19 Slip C-Down - Cast 10 Segments Type B	19	07FEB06	27FEB06	27SEP05	19OCT05			W N	SD3	160A			
SD3470	P19 Slip D-Up - Cast 8 Segments Type B	16	10FEB06	27FEB06	10OCT05	26OCT05				SD3	170			
SD3470A	P19 Slip D-Down - Cast 8 Segments Type B	16	13FEB06	02MAR06	07OCT05	24OCT05				S	3470A			
SD3380	D7-Up - Cast 9 seg Type B	18	28FEB06	18MAR06	200CT05	08NOV05						SD3380		
SD3380A	D7-Down - Cast 9 seg Type B	18	28FEB06	18MAR06	200CT05	08NOV05						SD3380A		
SD3300A	D8-Up - Cast 15 Segments Type B	25	28FEB06	27MAR06	27OCT05	23NOV05						S	3370	
SD3370A	D8-Down - Cast 15 Segments Type B	25	03MAR06	30MAR06	250CT05	21NOV05	1		1 1				SD3370A	
			0011211 100	0011/11/00	2000100			-	1 1	1		-		4 4
tart Date Inish Date ata Date	23SEP03 P3 04OCT08 20JAN06		Route 3 mo	8 - Lai Ch nth Rolling	ontract No. ii Kok Viad g Programr 1uary 2006	. HY/2003/0 uct	Sheet 1 of 1	8	1	7	2	S		
	© Primavera Systems, Inc.		3 mo	nth Rolling					-			5		

Activity	Activity	Orig.	Early	Early	Late	Late			200		
ID	Description	Durn.	Start	Finish	Start	Finish	JAN 16 23 30 6	FEB 13 20	27 6	MAR 13 20 27	APR 3 10 17 24
SD3480	P20 Slip D-Up - Cast 12 Segments Type B	21	20MAR06	11APR06	04JAN06	26JAN06	10 23 30 0	13 20	21 0	13 20 21	SD3480
SD3480A	P20 Slip D-Down - Cast 12 Segments Type B	21	20MAR06	11APR06	06JAN06	28JAN06					SD3480A
SD3490	P20 Slip C-Up - Cast 13 Segments Type B	21	28MAR06	19APR06	13JAN06	08FEB06					SD34
SD3490A	P20 Slip C-Down - Cast 13 Segments Type B	21	31MAR06	22APR06	13JAN06	08FEB06				\$D3490A	
SD3500	P21 Slip C-Down - Cast 8 Segments Type B	16	12APR06	29APR06	27JAN06	16FEB06					\$D3500
SD3510	P21 Slip D-Down - Cast 8 Segments Type B	16	12APR06	29APR06	02FEB06	18FEB06					SD3510
Segmental	Deck Casting (Type C Units)										
SD3210	PA/R-Up - Cast 9 seg Type C	18	20JAN06	12FEB06	06JUL05	26JUL05		SD3210			
	rapet Panel Casting										
PP2010	Casting Type I Parapet Units 266 - 565	40	11MAR06	27APR06	16SEP05	04NOV05			PP2010		
PP2100	Casting Type II Parapet Units 1 - 265	55	200CT05A	25JAN06	200CT05A	03AUG05	PP2100				
PP2110	Casting Type II Parapet Units 266 - 565	40	26JAN06	16MAR06	04AUG05	20SEP05				PP2110	
PP2120	Casting Type II Parapet Units 566 - 865	40	17MAR06	04MAY06	27JAN06	17MAR06		1	PP	2120	
PP2200	Casting Type IIII Parapet Units 1 - 22	22	20JAN06	17FEB06	24AUG05	17SEP05		PP220	0		
PP2310	Casting Type IV Parapet Units 181 - 383	70	05APR06	27JUN06	06SEP05	29NOV05			1	PP2	310
PP2410	Casting Type V Parapet Units 181 - 383	70	28FEB06	22MAY06	13AUG05	05NOV05		PP241	0		
Noise Barri	iers & Enclosures										
NB1010	Noise Encl' - Slip Rd A - Design & Shop Drawings	23	07JUL05A	25JAN06	07JUL05A	28APR05	NB1010				
NB1020	Noise Encl' - Slip Rd A - Eng. Review & Approval	28	20JAN06	16FEB06	23APR05	20MAY05		NB102	D		
NB1030	Noise Encl' - Slip Rd A - Materials Purchasing	48	17FEB06	14APR06	21MAY05	18JUL05					NB1030
NB1040	Noise Encl' - Slip Rd A - Off-site Fabrication	85	15APR06	26JUL06	19JUL05	28OCT05					NB1040
NB1100	Noise Encl' - Slip Rd B - Design & Shop Drawings	23	07JUL05A	25JAN06	07JUL05A	29APR05	NB1100				
NB1110	Noise Encl' - Slip Rd B - Eng. Review & Approval	28	20JAN06	16FEB06	25APR05	22MAY05		NB111)		
NB1120	Noise Encl' - Slip Rd B - Materials Purchasing	72	17FEB06	13MAY06	23MAY05	16AUG05	I I	B1120			H
NB1130	Noise Encl' - Slip Rd B - Off-site Fabrication	100	11APR06	09AUG06	15JUL05	11NOV05					NB1130
NB1200	Noise Encl' - P8 to P11 - Design & Shop Drawings	60	10SEP05A	23JAN06	10SEP05A	05MAY05	NB1200				
NB1210	Noise Encl' - P8 to P11 - Eng. Review & Approval	28	20JAN06	16FEB06	03MAY05	30MAY05		NB1210	0		
NB1220	Noise Encl' - P8 to P11 - Materials Purchasing	65	17FEB06	05MAY06	31MAY05	16AUG05	P	B1220			
NB1300	Noise Encl' - ENT Approach - Design & Shop Dwgs.	23	07JUL05A	25JAN06	07JUL05A	08JUL05	NB1300				
NB1310	Noise Encl' - ENT Approach - Eng. Review & Appro	28	20JAN06	16FEB06	04JUL05	31JUL05		NB1310	i l		
NB1320	Noise Encl' - ENT Approach - Material Purchasing	100	17FEB06	15JUN06	01AUG05	28NOV05	N	B1320			
NB2000	Noise Barriers - PA to P4 - Design & Shop Dwgs.	82	19AUG05A	23JAN06	19AUG05A	03FEB06	NB2000				
NB2010	Noise Barriers - PA to P4 - Eng. Review & Appro'	28	20JAN06	16FEB06	29JAN06	25FEB06		NB2010			
art Date nish Date tta Date	23SEP03 04OCT08 20JAN06		Route 3 mo	8 - Lai Ch nth Rolling	ontract No. ii Kok Viadu g Programn nuary 2006	HY/2003/0 uct	Sheet 2 of 18 1	r		CS S	0

Activity	Activity	Orig.	Early	Early	Late	Late						2006		21			
ID	Description	Durn.	Start	Finish	Start	Finish	JAN 16 23	20		EB 13 20	37	6	MAR 13 20	1 07	2	API	
NB2020	Noise Barriers - PA to P4 - Materials Purchasing	95	20FEB06	12JUN06	28FEB06	21JUN06	10 23	30		2020	141	0	13 20		2	10	17 24
NB2100	Noise Barriers - P5 to P8 - Design & Shop Dwgs.	147	05SEP05A	23JAN06	05SEP05A	23JAN06	NB	2100									
NB2110	Noise Barriers - P5 to P8 - Eng. Review & Appro'	115	20JAN06	14MAY06	20JAN06	14MAY06			-					-			
NB2120	Noise Barriers - P5 to P8 - Materials Purchasing	163	13FEB06	26AUG06	13FEB06	26AUG06		NB	32120	-							
NB2200	Noise Barriers - P11 to P13 - Design & Shop Dwgs	82	20JUL05A	23JAN06	20JUL05A	13FEB06	NB	2200			1						
NB2210	Noise Barriers - P11 to P13 -Eng Review & Approv	44	20JAN06	04MAR06	10FEB06	25MAR06		1 1				NB2	210				
NB2220	Noise Barriers - P11 to P13 - Materials Purchase	82	21FEB06	29MAY06	14MAR06	19JUN06	1 1 -		N	32220				1	H H		
NB2300	Noise Barriers - ENT Approach -Des'n & Shop Dwgs	82	24AUG05A	07FEB06	24AUG05A	07MAR06		1	NB	300	1					1	
NB2310	Noise Barriers - ENT Approach -Eng Rev & Approv	28	20JAN06	16FEB06	21FEB06	20MAR06		i _ i		NB23	10						
NB2320	Noise Barriers - ENT Approach -Material Purchase	70	17FEB06	11MAY06	21MAR06	12JUN06		1	NB23	20				1	- K	-	
NB2400	Noise Barriers - Slip Rd. C - Design & Shop Dwgs	82	20JAN06*	01APR06	09DEC05	21FEB06						-			NB240	0	
NB2410	Noise Barriers - Slip Rd. C - Eng Rev & Approv	28	05MAR06	01APR06	25JAN06	21FEB06						-			NB241	0	
NB2420	Noise Barriers - Slip Rd. C - Material Purchase	70	04APR06	26JUN06	22FEB06	16MAY06								NB24	20		
NB2500	Noise Barriers - Slip Rd. D - Design & Shop Dwgs	82	11JUL05A	23JAN06	11JUL05A	28FEB06	NB:	2500					1 1	1		1	
NB2510	Noise Barriers - Slip Rd. D - Eng Rev & Approv	28	20JAN06	16FEB06	26FEB06	25MAR06	-			NB25	10		1 1		1 1	1	1
NB2520	Noise Barriers - Slip Rd. D - Material Purchase	105	21FEB06	26JUN06	30MAR06	04AUG06			N	32520	R. I.	-	1				
Movement											1	1		1			
MJ1005	Engineer's approval of Proprietary Type of M.J	0	20JAN06		21JAN06		MJ10	05		Į.							
MJ1010	Detailed Design & Shop Drawings	75	20JAN06	21APR06	21JAN06	22APR06					1	1	1				MJ10
Signage																	
SG1020	Sign Gantries - Review/Appro of Design & S/Dwgs.	24	28FEB06	27MAR06	09AUG05	05SEP05					-			Iso	1020		
SG1030	Sign Gantries - Off-Site Fabrication of Gantries	75	28MAR06	26JUN06	06SEP05	05DEC05							SG1	030			
SG2000	Signage - Award of Sub-contract	0	20JAN06		18FEB05		SG20	00								1	
SG2010	Signage - Shop Drawings	50	20JAN06	22MAR06	18FEB05	18APR05					- Ender		1 1	SG201	0	1	
SG2020	Signage - Review & Approval of Shop Drawings.	24	23MAR06	20APR06	19APR05	17MAY05		1					SG2020			-	
High Mast								1 1			1	1				1	
HM1010	High Mast Lighting - Approval of Found'n Design	24	28FEB06	27MAR06	04NOV05	01DEC05						1	i i	HN	1010		
HM1100	High Mast Lighting - Mast Design & Shop Drawings	48	20JAN06	20MAR06	15JUL05	08SEP05			-	_			H	M1100			
HM1110	High Mast Lighting - Approval of Mast Design	56	21MAR06	15MAY06	09SEP05	03NOV05						F	IM1110			-	
			21110 0 100			00110100											
	Main Line - Piers PA to P6																
Substructu			00111100	00141100		10.0000											
MS0100	PA/L - Install Bearings	6	20JAN06	26JAN06	06JUN05	13JUN05	IN	150100		10		-					
MS0110	PA/R - Install Bearings	6	27JAN06	06FEB06	26JUL05	01AUG05			MS01	10		1	1				
Start Date Finish Date Data Date	23SEP03 04OCT08 20JAN06		Route 3 mo	8 - Lai Ch nth Rolling	ontract No. li Kok Viadu g Programm luary 2006	HY/2003/0 uct	Sheet 3 of 1	18		1	7	E	~	S	0		
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Activity	Activity	Orig. Early Early	Late Late	2006								
ID	Description	Durn.	Start	Finish	Start	Finish	JAN FEB MAR APR 16 23 30 6 13 20 27 6 13 20 27 3 10 17					
VIS1112	P1/R - Temporary Props for Spans - Founds	4	20JAN06	24JAN06	15JUL05	19JUL05	16 23 30 6 13 20 27 6 13 20 27 3 10 17 MS1112					
VIS1112	P1/R - Temporary Props for Spans - Towers	4	25JAN06	28JAN06	20JUL05	23JUL05	MS1114					
MS1114 MS1116	P1/R - Remove Temporary Props for Spans - Towers	4	02MAR06	06MAR06	25SEP08	29SEP08	MS1116					
MS1118	P1/R - Remove Temporary Props for Spans - Towers	4	07MAR06	10MAR06	30SEP08	04OCT08	MS1118					
Main Line -	- Segmental Deck Construction (Crane)		07110 0 000	10110 1100	COOL: CO	0100100						
MD1130	PA/L - 9 Segments Type B on Scaffold	6	20FEB06	25FEB06	14JUN05	20JUN05	MD1130					
MD1135	PA/L to P1/L - Insitu Stitch	3	27FEB06	01MAR06	21JUN05	23JUN05	MD1135					
MD1020	P4/R - 1st. Pair - 2 Segments Type C	6	20JAN06	26JAN06	22JUN05	28JUN05	MD1020					
MD1020	P5/R - 1st. Pair - 1 Type C & 1 Type B	6	27JAN06	06FEB06	29JUN05	06JUL05	MD1010					
MD1010 MD1000	P5 (B4)Slip B - 1st. Pair - 2 Segments Type B	6	07FEB06	13FEB06	07JUL05	13JUL05	MD1000					
MD1000	P1/R - 30 Segments Type C	15	20JAN06	09FEB06	15JUL05	01AUG05	MD1055					
NAME OF TAXABLE	PA/R - 30 Segments Type C on Scaffold	6	205AN00	25FEB06	02AUG05	01A0G05 08AUG05	MD1060					
MD1060		3	27FEB06	01MAR06	13AUG05	16AUG05	MD1062					
MD1062	PA/R to P1/R - Insitu Stitch	5	ZIFEBUO	UTWAROO	TSAUGUS	TOAUGUS	- mb rooz					
Main Line -		2	4055000	4055000	4405005	1005005	MD1065					
MD1065	P1/R to P2/R - Institu Stitch	3	10FEB06	13FEB06	14SEP05	16SEP05						
MD1036	P2/R to P3/R - Insitu Stitch	3	20JAN06	23JAN06	23MAR05	25MAR05	MD1036					
MD1025	P4/R - 28 Segments Type C	12	27JAN06	13FEB06	31AUG05	13SEP05	MD1025					
MD1034	P3/R to P4/R) - Insitu Stitch	3	14FEB06	16FEB06	14SEP05	16SEP05						
MD1005	P5 (B4) Slip B - 22 Segments Type B	10	14FEB06	24FEB06	14JUL05	25JUL05	MD1005					
MD1007	P5/R (B4) Slip B to P6 Slip B - Insitu Stitch	3	25FEB06	28FEB06	26JUL05	28JUL05	MD1007					
MD1008	P5/R (B4) Slip B to B3 - Insitu Stitch	3	01MAR06	03MAR06	29JUL05	01AUG05	MD1008					
MD1015	P5/R - 11 Type C & 11 Type B	10	25FEB06	08MAR06	23SEP05	05OCT05	MD1015					
MD1017	P5/R to P6/R - Insitu Stitch	3	09MAR06	11MAR06	06OCT05	08OCT05	MD1017					
MD1033	P4/R to P5/R - Insitu Stitch	3	13MAR06	15MAR06	29OCT05	01NOV05	MD1033					
Superstruc	cture Finishing Works Required for TCSS											
MF1000	PA to P6 - Parapets PA/L to P3/L (incl earthing)	48	02MAR06	27APR06	24JUN05	19AUG05	MF1000					
MF1015	PA to P6 - Insitu Slab to Under Median Barrier	36	18FEB06	31MAR06	22OCT05	02DEC05	MF1015					
MF1017	PA to P6 - Median Barrier (incl earthing)	36	11MAR06	22APR06	12NOV05	23DEC05	MF1017					
Viaduct -	Slip Road A											
Substructu	ure											
AS1050	Abutment A - Install Bearings	2	20JAN06	21JAN06	21JAN06	23JAN06	AS1050					
Substructu AS1050		le : LU28	nways Dep Route	oartment Co e 8 - Lai Ch		t HY/2003/0 uct	Sheet 4 of 18					

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Activity	Activity	Orig.	Early	Early	Late	Late	LAN	-0	2006		-			
ID	Description	Durn.	Start	Finish	Start	Finish	JAN FE	EB 3 20 2	7 6	MAR 13 20	27		APR	2
	Slip Road B			THE TREES			10 20 50 0 1	5 20 6	10	10 20	61	0 10	11	-
	- Segmental Deck Const'n (Lift Frames)													
BD1035	B3 - 28 seg Type B	12	14JAN06A	24JAN06	14JAN06A	13JUL05	BD1035					1.1		
3D1045	B2 - B3 Insitu Stitch	3	25JAN06	27JAN06	05AUG05	08AUG05	BD1045							
	cture Finishing Works Required for TCSS													Ì
3F1010	Slip Rd.B to P7 - Parapets East Face (incl earth	75	05APR06	04JUL06	09AUG05	07NOV05					BF10	10		ì
CONTRACTOR NAMES	Works - Lai Po Road													1
and the second se	y Traffic Management Schemes													i
WT3100	3rd. TTMS Lai Po Road - Prepare for Review	18	20JAN06	13FEB06	23APR05	14MAY05		NT3100						i
WT3110	3rd. TTMS Lai Po Road - CRE Endorsement	6	21FEB06	27FEB06	25JUN05	02JUL05			WT3110					
NT3120	3rd. TTMS Lai Po Road - Roadworks Advice	6	28FEB06	06MAR06	04JUL05	09JUL05			WT	3120				
WT3130	3rd. TTMS Lai Po Rd - Site Preparation for Divsn	18	07MAR06	27MAR06	11JUL05	30JUL05					WT	3130		
WT4010	TTMS Deck Erect'n @ Rd D S/B - CRE Endorsement	6	20JAN06	26JAN06	12SEP08	18SEP08	WT4010							
WT4020	TTMS Deck Erect'n @ Rd D S/B - Roadworks Advice	6	27JAN06	06FEB06	19SEP08	26SEP08	WT402	20						1
WT4030	TTMS Deck Erect'n @ Rd D S/B - Site Preparation	6	07FEB06	13FEB06	27SEP08	04OCT08	V	VT4030						
NT4040	TTMS Deck Erect'n @ Rd D S/B - Implementation	38*	20JAN06	08MAR06	22JUN05	05OCT05		T I	W	T4040				
Earthwork	s & Slope Works													Ĩ
WE1030	Lai Po Road S/B - Remove Segment Storage Area	6	20JAN06	26JAN06	27OCT05	02NOV05	WE1030							
WE2000	Lai Po Road S/B - Fill to Embankment	24	07MAR06	04APR06	26MAR05	23APR05					1	WE200	0	
Retaining	Wall LCK-R2													
WW2020	Ret. Wall LCK-R2 - Walls	42	20JAN06	13MAR06	12FEB05	01APR05				WW2020	D			
Drainage V	Works								1		-			1
WA2100	Lai Po Road S/B -Ramp @ Slip Rd B Storm Drainage	18	28MAR06	18APR06	16JUN05	07JUL05			1	1		1	WA	2
WA2200	Lai Po Road S/B - Stormwater Drainage	36	28MAR06	10MAY06	18APR05	30MAY05				WA22	00	H	-	
Utilities &	Roadworks											1	I	
WR2000	Lai Po Road S/B @ Ramp to Slip Rd B - Formation	6	19APR06	25APR06	08JUL05	14JUL05						WR2	000	
WR3000	High Mast Lighting (3 No. Mast) - Foundations	36	05APR06	17MAY06	02DEC05	14JAN06					WR30	00		ľ
Kiosk at L	ai Wan Interchange													
WK1000	Kiosk at Lai Wan Interchange - Structure	48	02MAR06	27APR06	17AUG05	14OCT05		WK1000			-		-	
Lai Po Roa	ad Fire Hydrant Pump House													1
WH1000	Lai Po Rd. F/H Pump House - Plate Load Test	6	27JAN06	06FEB06	22JUL06	28JUL06	WH100	00						
WH1010	Lai Po Rd. F/H Pump House - Structure	24	07MAR06	04APR06	31JUL06	26AUG06						101 WH101	0	
art Date	23SEP03 P3 F	ile · 1 1128		-			Sheet 5 of 18		-		-			-
art Date hish Date ata Date	040CT08 20JAN06		Route 3 mo	e 8 - Lai Ch nth Rolling	ontract No. ni Kok Viad g Programm nuary 2006	HY/2003/0 uct	and the second second second	n	E	2	S			
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Activity	Activity	Orig.	Early	Early	Late	Late	_	1.4.1.1	1				2	2006					
ID	Description	Durn.	Start	Finish	Start	Finish	14	JAN 3 23	20		FEB 13	20	27		MAR 13		27		PR 17 24
WH1020	Lai Po Rd. F/H Pump House - Waterproofing	12	05APR06	18APR06	02SEP06	15SEP06	110	63	50	0	15	20	21	0	13	20	61	5 10	17 2 WH10
WH1030	Lai Po Rd, F/H Pump House - Building Finishes	36	19APR06	31MAY06	16SEP06	31OCT06												WH1	030
WH1040	Lai Po Rd. F/H Pump House - MVAC Installation	30	05APR06	10MAY06	28AUG06	03OCT06										W	H104	00	
Contraction of the local division of the loc	Main Line - Piers P7 to P10																		
Substructu		2	20JAN06	21JAN06	07NOV06	08NOV06		MS20	152										
MS2052	P7 Install Bearings	2	ZUJANUO	ZIJANUO	0/10/000	UONOVUO		-WOZO	JJZ	-	-		-						-
	ture Finishing Works Required for TCSS	00	00.141100	00144 500	00411005	0500705		1	1	1	1		i	-	000				
MF2000	P7 to P10 - Parapets P7 to P8 (incl earthing)	36	20JAN06	06MAR06	23AUG05	05OCT05	-						MF2	MF2	2000				
MF2002	P7 to P10 - Parapets P9 to P10 (incl earthing)	36	11MAR06	22APR06	22SEP05	04NOV05	-						WIF2	002	1	Ineron	0.5		
MF2005	P7 to P10 - Insitu Slab to Under Median Barrier	48	20JAN06	20MAR06	21JUN05	16AUG05		-		1	1					MF20	05		
MF2007	P7 to P10 - Median Barrier (incl earthing)	48	21FEB06	18APR06	20JUL05	13SEP05							1		1	1		-	MF20
Remaining	Superstructure Finishing Works			-															
MF2040	P7 to P10 - Deck Drainage	48	19APR06	14JUN06	15SEP06	13NOV06												MF2	040
At Grade	Works - Lai Chi Kok Interchange																		
Temporary	Traffic Management Schemes																		1
VT1300	2nd. TTMS Butterfly Valley Rd-Prepare for Review	12	20JAN06	06FEB06	30APR05	14MAY05		-	-	MT1	300								
MT1310	2nd. TTMS Butterfly Valley Rd - CRE Endorsement	6	21FEB06	27FEB06	30JUN05	07JUL05				ļ			MT1:	310					
MT1320	2nd. TTMS Butterfly Valley Rd - Roadworks Advice	6	28FEB06	06MAR06	08JUL05	14JUL05	1			1				MT1	320	1	1		
MT1330	2nd. TTMS Butterfly Valley Rd - Prepare	18	07MAR06	27MAR06	15JUL05	04AUG05											MT13	30	
MT1400	3rd TTMS Butterfly Valley Rd -Prepare for Review	12	20JAN06	06FEB06	23APR05	07MAY05				MT1	400								
MT1410	3rd. TTMS Butterfly Valley Rd - CRE Endorsement	6	21FEB06	27FEB06	10SEP05	16SEP05							MT14	410					
MT1420	3rd. TTMS Butterfly Valley Rd - Roadworks Advice	6	28FEB06	06MAR06	17SEP05	24SEP05					-			MT1	420				
MT1430	3rd. TTMS Butterfly Valley Rd - Prepare	24	07MAR06	04APR06	26SEP05	25OCT05										-		MT143)
MT2070	TTMS Case No.027 (P7 Piling) - Implementation	516*	03JUN04A	20FEB06	03JUN04A	18JAN06			H	-		MT2	070						
MT2140	TTMS for Pier P8/L - Implementation	594*	23FEB04A	11FEB06	23FEB04A	11NOV05				-	MT214	10							
MT3100	2nd. TTMS Kom Tsun Street - Prepare for Review	12	20JAN06	06FEB06	30APR05	14MAY05		in the		МТЗ	100								1
MT3110	2nd, TTMS Kom Tsun Street - CRE Endorsement	6	21FEB06	27FEB06	17MAY05	23MAY05			1				MT31	110					
MT3120	2nd. TTMS Kom Tsun Street - Roadworks Advice	6	28FEB06	06MAR06	24MAY05	30MAY05	11		1	1				МТЗ	120				
MT3130	2nd. TTMS Kom Tsun Street - Site Preparation	20	07MAR06	29MAR06	31MAY05	23JUN05								pieres			MT	3130	
MT3140	2nd. TTMS Kom Tsun Street - Implementation	122*	30MAR06	24AUG06	14SEP05	18NOV05									N	/T3140	0		4
MT3200	3rd. TTMS Kom Tsun Street - Prepare for Review	12	20JAN06	06FEB06	23APR05	07MAY05			-	МТЗ	200								
MT3210	3rd. TTMS Kom Tsun Street - CRE Endorsement	6	21FEB06	27FEB06	03OCT05	08OCT05							IMT32	210					
tart Date nish Date ata Date	23SEP03 04OCT08 20JAN06		Route 3 mo	e 8 - Lai Ch nth Rolling	ontract No. hi Kok Viad g Programr huary 2006	HY/2003/0		et 6 of 1	18			r	7	9	E	S	1	0	
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Activity	Activity	Orig.	Early	Early	Late	Late	14.11		2006		_		
ID	Description	Durn.	Start	Finish	Start	Finish	JAN 16 23 30 6	FEB 13 20	27 6	MAR 13 20	27	APR 3 10 17	2
MT3220	3rd. TTMS Kom Tsun Street - Roadworks Advice	6	28FEB06	06MAR06	10OCT05	17OCT05	10 20 50 0	10 20	the second se	3220	61	5 10 11	-
VT3230	3rd. TTMS Kom Tsun Street - Site Preparation	28	07MAR06	08APR06	180CT05	18NOV05					-	MT3230	
MT4110	TTMS Deck Erect'n @ B.V. Rd - CRE Endorsement	6	19JUL05A	26JAN06	19JUL05A	04SEP08	MT4110						
MT4120	TTMS Deck Erect'n @ B.V. Rd - Roadworks Advice	12	27JAN06	13FEB06	05SEP08	18SEP08		MT4120					
MT4130	TTMS Deck Erect'n @ B.V. Rd - Site Preparation	12	14FEB06	27FEB06	19SEP08	04OCT08			MT4130				
and the second of the second	Roadworks												1
SR4000	Kwai Chung Road (Pier 7) - Reinstatement	24	20JAN06	20FEB06	20DEC05	18JAN06		SR40	000			T i i	1
SR2000	Castle Peak Road - Roadworks Reinstatement	17	20JAN06	11FEB06	24OCT05	11NOV05		SR2000			1		
SR4500	B.V. Rd P8 to P9 - New CLP 11Kv Cable Laying	48	16FEB06	13APR06	11MAY05	07JUL05					1	SR450	00
SR4510	B.V. Rd P9 to P10 - New CLP 11Kv Cable Laying	48	16FEB06	13APR06	11MAY05	07JUL05						SR45	10
SR5000	Butterfly Valley Rd Stage1 - Excav. & Formation	24	16FEB06	15MAR06	11MAY05	07JUN05			1	SR5000	0		
SR5010	Butterfly Valley Rd Stage1 - Sub-base	36	27FEB06	10APR06	31MAY05	13JUL05			n na hara			SR5010	1
SR5020	Butterfly Valley Rd Stage1 - Kerbs	24	20MAR06	17APR06	22JUN05	20JUL05					in the	SR	:50
SR5030	Butterfly Valley Rd Stage1 - Pavement	9	18APR06	27APR06	21JUL05	30JUL05					1	SR5030	
SR3200	Kom Tsun Street Bus Stn Excavate & Formation	18	30MAR06	20APR06	24JUN05	15JUL05				SR3	200		
SR3210	Kom Tsun Street bus Stn Sub-base	18	14APR06	05MAY06	09JUL05	29JUL05						SR3210	-
SR3000	Kom Tsun Street L/H C/Way - Excavate & Formation	12	30MAR06	13APR06	14SEP05	28SEP05						SR300	00
SR3010	Kom Tsun Street L/H C/Way - Sub-base	12	14APR06	27APR06	29SEP05	14OCT05						SR3010	
	Main Line - Piers P11 to P15												
Substructu													
MS3115	P12 - Bearings	7	20JAN06	27JAN06	26SEP08	04OCT08	MS3115						
MS3178	P13 - Remove Temporary Props for Spans - Founds	2	12JAN06A	20JAN06	12JAN06A	17OCT05	MS3178						1
	- Segmental Deck Construction (Gantry)										1		1
MD3050	Launch Gantry back to P12/P13/14	1	20JAN06	20JAN06	04OCT08	04OCT08	DMD3050						
MD3090	Launch Gantry to P14/P15/P16	1	20JAN06	20JAN06	17SEP05	17SEP05	DMD3090						1
MD3105	P15/L & R - 60 Segments Type A	19	20JAN06	14FEB06	26JUL05	16AUG05		MD3105					1
MD3107	P14/L&R to P15/L&R - Insitu Stitches	2	15FEB06	16FEB06	20SEP05	21SEP05		MD3107					
MD4000A	Launch Gantry to P15/P16/P17	2	15FEB06	16FEB06	17AUG05	18AUG05		MD4000	A				
	cture Finishing Works Required for TCSS										1		1
MF3000	P11 to P15 - Parapets P10 to P12 (incl earthing)	36	23MAR06	05MAY06	05OCT05	16NOV05				MF3000	:	ke la la	÷
MF3005	P11 to P15 - Parapets P12 to P14 (incl earthing)	36	05APR06	17MAY06	180CT05	28NOV05					MF300	5	1
MF3005	P11 to P15 - Parapets P12 to P14 (incl carthing)	36	17APR06	29MAY06	29OCT05	09DEC05					1	MF3010	1
MF3015	P11 to P15 - Insitu Slab to Under Median Barrier	48	21MAR06	17MAY06	17AUG05	140CT05			N	F3015	i		-
	23SEP03 P3 F						Sheet 7 of 18			1			1
art Date nish Date ata Date	040CT08 20JAN06		Route 3 mo	8 - Lai Ch	ontract No. i Kok Viado Programmouary 2006	HY/2003/0 uct	and the second second second	r	E	25	50	0	
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Activity	Activity	Orig.	Early	Early	Late	Late	2006	
ID	Description	Durn.	Start	Finish	Start	Finish	JAN FEB MAR AP	
The Cast of the State		48	19APR06	14JUN06	14SEP05	11NOV05	16 23 30 6 13 20 27 6 13 20 27 3 10 MF301	17 24
MF3017	P11 to P15 - Median Barrier (incl earthing)	40	TIAPRUD	14JUN06	145EP05	1110005	MIF30	
At Grade	Works - Wai Man Tsuen							1
Temporary	Traffic Management Schemes							
VT2000	Temporary Slow Lane on Top of Slope CCR-R5	12	14MAR06	27MAR06	22JUL05	04AUG05	VT2000	
VT2140	TTMS MainLine Deck@ CC Rd W/B - Implementation	19*	20JAN06	14FEB06	26JUL05	16AUG05	VT2140	
/T2200	TTMS Slip RdD Deck@ CC Rd W/B-Prepare for Review	18	20JAN06	13FEB06	23APR05	14MAY05	VT2200	
VT2210	TTMS Slip Rd D Deck@ CC Rd W/B -CRE Endorsement	6	21FEB06	27FEB06	18OCT05	24OCT05	VT2210	
VT2220	TTMS Slip Rd D Deck@ CC Rd W/B -Roadworks Advice	12	28FEB06	13MAR06	25OCT05	07NOV05	VT2220	
VT2230	TTMS Slip Rd D Deck@ CC Rd W/B -Site Preparation	6	14MAR06	20MAR06	08NOV05	14NOV05	VT2230	
Earthwork	s & Slope Works							
VE1030	Slope CCR-S5 - Excavate Existing Slope	18	20JAN06	13FEB06	01JUN05	22JUN05	VE1030	
VE1040	Slope CCR-S5 - Compacted Filling	24	14FEB06	13MAR06	23JUN05	21JUL05	VE1040	
VE1060	Slope CCR-S5 - Slope Drainage & Finishes	24	14MAR06	11APR06	01NOV05	28NOV05		060
VE1070	Slope CCR-S5 - Landscaping & Hydroseeding	12	05APR06	18APR06	22NOV05	05DEC05		VE107
Earthwork								
/E2025	Slope 11NW-A/C678 & CR679 - Platform for S.Nails	3	20JAN06	23JAN06	25NOV05	28NOV05	VE2025	
/E2027	Slope 11NW-A/C678 & CR679 - Test Soil Nail	6	24JAN06	02FEB06	29NOV05	05DEC05	VE2027	
VE2030	Slope 11NW-A/C678 & CR679 - Soil Nails	18	03FEB06	23FEB06	06DEC05	27DEC05	VE2030	
VE2000	Slope 11NW-A/C678 & CR679 - Remove Temp Platform	6	24FEB06	02MAR06	28DEC05	04JAN06	VE2000	
VE2020	Slope 11NW-A/C678 & CR679 - Trim Original Slope	6	03MAR06	09MAR06	05JAN06	11JAN06	VE2020	
VE2020	Slope 11NW-A/C678 & CR679 -Landscape & Hydroseed	6	10MAR06	16MAR06	12JAN06	18JAN06	VE2050	-
	Roadworks							
VR3000	Drainage Maintenance Access Rd Formation	24	20JAN06	20FEB06	10OCT05	07NOV05	VR3000	
VR3010	Drainage Maintenance Access Rd Sub-base	24	27JAN06	27FEB06	180CT05	14NOV05	VR3010	
VR3020	Drainage Maintenance Access Rd Kerbs	24	07FEB06	06MAR06	250CT05	21NOV05	VR3020	
	Drainage Maintenance Access Rd Pavement	48	07FEB06	04APR06	22NOV05	18JAN06	HVR3030	
/R3030 /R3040	Drainage Maintenance Access Rd Street Lights	12	21MAR06	04APR06	05JAN06	18JAN06		
	B.V. Rd - P10 to P12 - New CLP 11Kv Cable Laying	24	14APR06	12MAY06	08JUL05	04AUG05	VR2050	_
VR2050		24	14APT NO0	121014100	0000100	0440000	12000	
	suen Fire Hydrant Pump House	0	00 14 100	00141100	00140700	04400000	- Nationa	
VH1000	Wai Man Tsuen F/H Pump House - Plate Load Test	6	20JAN06	26JAN06	28MAR06	04APR06	VH1000	
VH1010	Wai Man Tsuen F/H Pump House - Structure	60	07MAR06	17MAY06	05APR06	14JUN06	VH1010	1
VH2000	Fire Main - Pipework Along Maintenance Road	18	20JAN06	13FEB06	10OCT05	31OCT05	VH2000	1
VH2005	Fire Main - Pipework to Piers P10/R & P14	18	14FEB06	06MAR06	10DEC05	31DEC05	VH2005	
art Date hish Date ata Date	23SEP03 P3 File 04OCT08 20JAN06		Route 3 mo	artment Co 8 - Lai Ch nth Rolling om 20 Jan	i Kok Viad Program	HY/2003/0 uct	Sheet 8 of 18 01	
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Activity	Activity	Orig.	Early	Early	Late	Late	JAN FI	EB	20	06	-				
ID	Description	Durn.	Start	Finish	Start	Finish		3 20	27 6	MA	20	27 3		PR 17	2
/H2010	Fire Main - Valves & Connections	18	07MAR06	27MAR06	03JAN06	23JAN06			1	10	in v	VH20			-
andscape	Works														
/X1000	Landscaping - Earthworks & Formation	24	05APR06	03MAY06	22NOV05	19DEC05					V	/X1000			
/iaduct -	Main Line - Piers P16 to P18					in all she									1
Substructu	re														
MS4055	P16/L - Install Bearings	6	20JAN06	26JAN06	12SEP05	17SEP05	MS4055								
MS4115	P16/R - Install Bearings	6	20JAN06	26JAN06	12SEP05	17SEP05	MS4115								
/IS4225	P17/L & P17/R - Cure & Strike Form/Falsework	24	21DEC05A	21JAN06	21DEC05A	20JUN05	MS4225								
Main Line -	Segmental Deck Construction (Crane)														1
MD4095	P18 Slip D - 22 Segments Type B	11	20JAN06	04FEB06	30AUG05	10SEP05	MD409	5			1 1	1	1	1	
MD4030	P17 Slip C - 1st. Pair - 2 Segments Type B	6	04FEB06	10FEB06	15OCT05	21OCT05		4030							
MD4035	P17 Slip C - 16 Segments Type B	7	11FEB06	18FEB06	22OCT05	29OCT05		MD40	35						
MD4040	C6 Slip C - 3 Segments Type B	2	27MAR06	28MAR06	28NOV05	29NOV05					1	MD40	040		1
Main Line -	Segmental Deck Const'n (Lift Frames)														T
MD4085	P18/R - 20 Segments Type A	10	06JAN06A	20JAN06	06JAN06A	29OCT05	MD4085								-
MD4115A	P18 Slip C - 2nd-4th. Pairs -6 Segments Type B	3	20JAN06	23JAN06	03OCT05	05OCT05	MD4115A								
MD4115	P18 Slip C - 5th-14th Pairs - 20 Segments Type B	7	24JAN06	03FEB06	06OCT05	14OCT05	MD4115								
Main Line -	Segmental Deck Construction (Gantry)										1				İ
MD4010	P16 - 1st. Pair - 2 Segments Type A	6	27JAN06	06FEB06	20SEP05	26SEP05	MD40	10			1				1
MD4015	P16 - 18 Segments Type A	6	22FEB06	28FEB06	27SEP05	04OCT05			MD40	15					
MD4017	P15/L&R to P16/L&R - Insitu Stitches	2	01MAR06	02MAR06	05OCT05	06OCT05			MD4	1017					1
MD4050	P17/L - 1st. Pair - 2 Segments Type A	6	17FEB06	23FEB06	22SEP05	28SEP05		M	D4050					1	-
MD4060	P17/R - 1st. Pair - 2 Segments Type A	6	18FEB06	24FEB06	23SEP05	29SEP05		N	ID4060						
MD4055	P17/L - 16 Segments Type A	12	03MAR06	16MAR06	07OCT05	21OCT05				M	ID4055		-		
MD4065	P17/R - 22 Segments Type A	12	03MAR06	16MAR06	14OCT05	27OCT05				M	1D4065				
MD4056	P17/L&R to P18/L&R - Insitu Stitches	3	17MAR06	20MAR06	310CT05	02NOV05					MD40	056		1	ł
MD4057	P16/L to P17/L - Insitu Stitch	3	17MAR06	20MAR06	09NOV05	11NOV05					MD40	057		1	
MD4067	P16/R to P17/R - Insitu Stitch	3	17MAR06	20MAR06	09NOV05	11NOV05					MD40	067			
MD4018	Delivery of Segments at P17 Slip C	5	17MAR06	22MAR06	280CT05	02NOV05				1	MD4	4018			T
MD4019	Gantry Modifications	0	23MAR06	22MAR06	03NOV05	02NOV05					MD4	4019		1	į
MD4019A	CLP SHUT DOWN POWER - O/HEAD LINES NORTH &	0	20JAN06*		03NOV05		MD4019A								
MD4020	Launch Gantry to P16/P17/P18 UNDER CLP O/H LINES	2	23MAR06	24MAR06	03NOV05	04NOV05					M	04020			

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Activity	Activity	Orig.	Early	Early	Late	Late				111			-	200		-	0.21				
ID	Description	Durn.	Start	Finish	Start	Finish		JAN 23	30	6	FEE 13	20	27	6	MA 13	R 20	27	3	10		2
Superstruc	ture Finishing Works Required for TCSS						10	20	00		15	20	din 8	0	15	20	61	0	10	11	-
MF4005	P16 to P18 - Insitu Slab to Under Median Barrier	36	17MAR06	28APR06	22OCT05	02DEC05								M	4005	-		×			
MF4007	P16 to P18 - Median Barrier (incl earthing)	36	15APR06	27MAY06	19NOV05	31DEC05							8					MF	4007	-	-
Viaduct -	Main Line - Piers 19 to Abutment M	1212 1		ALBASER 1	and the second								1			1	1	Ì			1
Substructu	re																				1
MS5095	P20 - 3rd. Site Access from ENT Contractor	0	20JAN06*		05OCT08			MS50	95												
MS5115	P20 - Pier Head - Cure & Strip Falsework	24	06MAR06	01APR06	09DEC05	07JAN06												MS51	115		
MS5165	P21 - Pier Hammer Head	18	20JAN06	13FEB06	08OCT05	29OCT05					MS	55165									
MS5170	P21 - Pier Insitu Deck Segment	42	14FEB06	04APR06	31OCT05	17DEC05							-	-	i.			M	5170		
MS5175	P21 - Pier Head - Cure & Strip Falsework	30	05APR06	10MAY06	19DEC05	24JAN06											MS51	75	-		÷
MS5225	Abutment M - Slope Reinstatement	12	20JAN06	06FEB06	20FEB06	04MAR06			1	M	\$5225		1								1
MS5230	Abutment M - Install Bearings	6	22MAR06	28MAR06	06MAR06	11MAR06	11			1	1						M	5230			
Main Line -	Segmental Deck Construction (Crane)			N	Au					1						-					1
MD5010	P19 Slip C - 1st. Pair - 2 Segments Type B	6	20FEB06	25FEB06	03JAN06	09JAN06							MD5	6010				-			
MD5020	P19/L - 1st. Pair - 2 Segments Type A	6	28FEB06	06MAR06	06JAN06	12JAN06								M	D5020						-
MD5030	P19/R - 1st. Pair - 2 Segments Type A	6	28FEB06	06MAR06	06JAN06	12JAN06								M	05030						-
MD5040	P19 Slip D - 1st. Pair - 2 Segments Type B	6	27FEB06	04MAR06	06JAN06	12JAN06								MD	5040	1	1				
Main Line -	Segmental Deck Construction (Gantry)									1					1	Î		1			1
MD4025	Launch Gantry to P17/P18/P19 UNDER CLP O/H LINES	1	25MAR06	25MAR06	14NOV05	14NOV05	i.									1	MD4	025		1	1
MD5000	Launch Gantry to P18/P19/P20 UNDER CLP O/H LINES	1	04APR06	04APR06	09JAN06	09JAN06											1	MD	5000		1
MD4107	CLP RESUME POWER - O/HEAD LINES NORTH &	0		22MAR06		09JAN06*									1	 	MD410	07			
MD5015	P19 Slip C - 18 Segments Type B	8	07APR06	15APR06	12JAN06	20JAN06									-					MD50	115
MD5022	P19/L - 16 Segments Type A	8	08APR06	17APR06	13JAN06	21JAN06														MD5	502
MD5035	P19/R - 18 Segments Type A	8	08APR06	17APR06	13JAN06	21JAN06										6				MD5	503
MD5045	P19 Slip D - 14 Segments Type B	8	07APR06	15APR06	13JAN06	21JAN06								4					- I	MD50	145
MD5055	P19/L&R to P18/L&R - Insitu Stitches	2	18APR06	19APR06	23JAN06	24JAN06		1			1				Ì			M	D505	5	1
MD5060	P20 Slip D - 1st. Pair - 2 Segments Type B	6	07APR06	13APR06	21JAN06	27JAN06		1							į.				M	D5060	Ó
MD5070	P20/R - 1st. Pair - 2 Segments Type A	6	05APR06	11APR06	10JAN06	16JAN06			1										MD	5070	
MD5080	P20/L - 1st. Pair - 2 Segments Type A	6	05APR06	11APR06	20JAN06	26JAN06													MD	5080	
MD5090	P20 Slip C - 1st. Pair - 2 Segments Type A	6	10APR06	15APR06	23JAN06	28JAN06							1	1						MD50	90

Start Date

Finish Date Data Date

04OCT08

20JAN06

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Activity	Activity	Orig.	Early	Early	Late	Late	2006
ID	Description	Durn.	Start	Finish	Start	Finish	JAN FEB MAR APR 16 23 30 6 13 20 27 6 13 20 27 3 10 17
t Grade	Works - Butterfly Valley						<u>16 23 30 6 13 20 27 6 13 20 27 3 10 17</u>
and the second se	/ Traffic Management Schemes						
QT2010	TTMS MainLine Deck@ CC Rd E/B - CRE Endorsement	6	20JAN06	26JAN06	27JUL05	02AUG05	QT2010
QT2020	TTMS MainLine Deck@ CC Rd E/B - Roadworks Advice	6	27JAN06	06FEB06	03AUG05	09AUG05	QT2020
QT2030	TTMS MainLine Deck@ CC Rd E/B - Site Preparation	6	07FEB06	13FEB06	10AUG05	16AUG05	QT2030
QT2000	TTMS MainLine Deck@ CC Rd E/B - Implementation	14*	15FEB06	02MAR06	17AUG05	06OCT05	QT2040
QT2100	TTMS Slip RdD Deck@ CC Rd E/B-Prepare for Review	18	20JAN06	13FEB06	12SEP08	04OCT08	QT2100
QT2110	TTMS Slip Rd D Deck@ CC Rd E/B - CRE Endorsement	6	21FEB06	27FEB06	17AUG05	23AUG05	QT2110
QT2120	TTMS Slip RdD Deck@ CC Rd E/B - Roadworks Advice	12	28FEB06	13MAR06	24AUG05	06SEP05	QT2120
QT2120	TTMS Slip RdD Deck@ CC Rd E/B - Site Preparation	6	16MAR06	22MAR06	09SEP05	15SEP05	QT2130
	s & Slope Works - 11NW-A/FR54 & F55		10101/11/100	2210/11/00	0001100	TOOLIOU	
QE2000	Slope 11NW-A/FR54 & FR55 - Remove Temp. Platform	18	23JAN06	15FEB06	21JUN05	12JUL05	QE2000
QE2000	Slope 11NW-A/FR54 & FR55 - Retaining Wall -Bases	36	16FEB06	29MAR06	13JUL05	23AUG05	QE2002
QE2002	Slope 11NW-A/FR54 & FR55 - Retaining Wall -Walls	48	16MAR06	12MAY06	10AUG05	060CT05	QE2004
QE2004	Slope 11NW-A/FR54 & FR55 - Install Temp Works	48	07MAR06	03MAY06	20JUL05	13SEP05	QE2010
	Roadworks	40	UTWAROU	USINIATUU	2030103	ISSEPUS	
	WSD Access Road - Permanent C/Way P18 to P19	36	20JAN06	06MAR06	10OCT05	21NOV05	OPtora
QR1060	·	24	07MAR06	04APR06	22NOV05		QR1060
QR1070	WSD Access Road - Make Good Existing C/Way	36	14APR06			19DEC05	
QR2000	WSD Access Road - New CLP 11Kv Cable Laying	30	14APR06	26MAY06	29JUL05	08SEP05	QR2000
Landscape		0.4	0540000	001413/00			
QX1010	Landscaping - Footpath Paving	24	05APR06	03MAY06	20DEC05	18JAN06	QX1010
QX1020	Landscaping - Soiling & Planting on Slope CCR-S6	75	20JAN06*	21APR06	21OCT05	18JAN06	
/iaduct -	Slip Road C						
Substructu	ure						
CS1150	Abutment C - Install Bearings	6	22MAR06	28MAR06	27SEP08	04OCT08	C\$1150
CS1445	C5/L - C5/R Portal - Cure & Strike Form/Falsewk	14	19JAN06A	03FEB06	19JAN06A	21JUL05	CS1445
CS1447	C5/L - C5/R Portal - Install Bearings	6	04FEB06	10FEB06	22JUL05	28JUL05	CS1447
CS1555	C6/R & C6/L - Install Bearings on Portal Frame	4	22MAR06	25MAR06	12SEP05	15SEP05	CS1555
Slip Road	C - Insitu Deck Construction						
CD1026	Slip Rd. C - Deck Span Abut.C to C2 - 1st. Pour	24	07JAN06A	27JAN06	07JAN06A	09SEP05	CD1026
CD1028	Slip Rd. C - Deck Span Abut.C to C2 - 2nd. Pour	24	28JAN06	28FEB06	10SEP05	10OCT05	CD1028
CD1029	Slip Rd. C - Deck Span Abut.C to C3 - Stressing	6	01MAR06	07MAR06	12OCT05	18OCT05	CD1029
irt Date	23SEP03 P3 File	: LU28				Shi	heet 11 of 18
nish Date ata Date	040CT08 20JAN06		Route 3 mo	8 - Lai Ch nth Rolling	i Kok Viadı Programn	HY/2003/01 uct	
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Activity	Activity	Orig.	Early	Early	Late	Late	2006
ID	Description	Durn.	Start	Finish	Start	Finish	JAN FEB MAR APR
CD1030	Slip Rd. C - Deck Span C3 to C4 - Ground Prep.	12	20JAN06	06FEB06	23JUL05	05AUG05	16 23 30 6 13 20 27 6 13 20 27 3 10 17
CD1032	Slip Rd. C - Deck Span C3 to C4 - Falsework	18	27JAN06	20FEB06	30JUL05	19AUG05	CD1032
CD1034	Slip Rd. C - Deck Span C3 to C4 - Soffit	24	14FEB06	13MAR06	13AUG05	09SEP05	CD1034
CD1036	Slip Rd. C - Deck Span C3 to C4 - 1st. Pour	24	07MAR06	04APR06	03SEP05	03OCT05	HICD1036
CD1038	Slip Rd. C - Deck Span C3 to C4 - 2nd. Pour	24	05APR06	03MAY06	04OCT05	01NOV05	CD1038
CD1040	Slip Rd, C - Deck Span C4 to C5 - Ground Prep.	12	25JAN06	10FEB06	15JUL05	28JUL05	CD1040
CD1042	Slip Rd, C - Deck Span C4 to C5 - Falsework	12	04FEB06	17FEB06	22JUL05	04AUG05	CD1042
CD1044	Slip Rd. C - Deck Span C4 to C5 - Soffit	18	11FEB06	03MAR06	29JUL05	18AUG05	CD1044
CD1046	Slip Rd. C - Deck Span C4 to C5 - 1st. Pour	24	25FEB06	24MAR06	12AUG05	08SEP05	CD1046
CD1048	Slip Rd. C - Deck Span C4 to C5 - 2nd. Pour	24	25MAR06	22APR06	09SEP05	08OCT05	CD1048
CD1050	Slip Rd. C - Deck Span C5 to C6 - Ground Prep.	12	11FEB06	24FEB06	12AUG05	25AUG05	CD1050
CD1052	Slip Rd. C - Deck Span C5 to C6 - Falsework	18	18FEB06	10MAR06	19AUG05	08SEP05	CD1052
CD1054	Slip Rd. C - Deck Span C5 to C6 - Soffit	24	20MAR06	17APR06	09SEP05	08OCT05	CD1
CD1056	Slip Rd. C - Deck Span C5 to C6 - 1st. Pour	24	17APR06	15MAY06	03OCT05	31OCT05	CD1056
	ture Finishing Works Required for TCSS						
CF1000	Slip Rd, C - Parapets - Abut, C to C2 + earthing	48	09MAR06	05MAY06	29OCT05	23DEC05	CF1000
CF1010	Slip Rd. C - Parapets C2 to C4 (incl earthing)	36	19APR06	31MAY06	19OCT05	29NOV05	CF1010
Viaduct -	Slip Road D						
Substructu				AND PROPERTY OF			
DS1045	Abutment D - Install Bearings	6	22MAR06	28MAR06	03NOV05	09NOV05	D\$1045
DS1115	D1 - Install Bearings	6	22MAR06	28MAR06	130CT05	19OCT05	D\$1115
DS1175	D2 - Install Bearings	6	22MAR06	28MAR06	30SEP05	07OCT05	D\$1175
DS1295	D4 - Install Bearings	6	20JAN06	26JAN06	15AUG05	20AUG05	D\$1295
DS1355	D5 - Install Bearings	6	20JAN06	26JAN06	08AUG05	13AUG05	D\$1355
DS1415	D6 - Install Bearings	6	22MAR06*	28MAR06	180CT05	24OCT05	DS1415
DS1530	D8 - Pier Head	24	17FEB06	16MAR06	19AUG05	15SEP05	D\$1530
DS1530A	D8 - Pier Head - Insitu Segment	36	17MAR06	28APR06	16SEP05	310CT05	DS1530A
DS1592	D9 - Install Bearings	6	22MAR06	28MAR06	09SEP05	15SEP05	D\$1592
DS1655	D10 - Install Bearings	6	22MAR06	28MAR06	02SEP05	08SEP05	DS1655
	D - Segmental Deck Const'n (Crane)						
DD1015	D10 - 22 seg Type B	10	25FEB06	08MAR06	12SEP05	23SEP05	DD1015
DD1015	D10 to P18 - Insitu Stitch	2	09MAR06	10MAR06	08DEC05	09DEC05	DD1025
DD1020	D5 - Pierhead Segment - 1 Segment Type B	6	27JAN06*	06FEB06	15AUG05	20AUG05	DD1110
					10.10000		
art Date hish Date ta Date	23SEP03 04OCT08 20JAN06		Route 3 mo	8 - Lai Ch nth Rolling	i Kok Viadu Programn	HY/2003/0 uct	entrecanales cubartas
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Activity	Activity	Orig.	Early	Early	Late	Late	2006	
ID	Description	Durn.	Start	Finish	Start	Finish	JAN FEB MAR APR	
DD1115	D5 - 28 seg Type B	7	14FEB06	21FEB06	25OCT05	01NOV05	16 23 30 6 13 20 27 6 13 20 27 3 10 17 DD1115	24
DD1130	D4 - Pierhead Segment - 1 Segment Type B	6	07FEB06	13FEB06	22AUG05	27AUG05	DD1130	
DD1135	D4 - 28 Segments Type B	7	17FEB06	24FEB06	01SEP05	08SEP05	DD1135	
DD1137	D4 to D5 - Insitu Stitch	3	25FEB06	28FEB06	02NOV05	04NOV05	DD1137	
	D - Segmrntal Deck Const'n (L/Frames)		201 2000	201 ED00	02110100	04140703		+
	D6 - Pierhead Segments - 2 Segments Type B	6	29MAR06	05APR06	25OCT05	31OCT05		
DD1090		7	10APR06	17APR06	04NOV05	11NOV05		1400
DD1095	D6 - 16 seg Type B	2	18APR06	19APR06	01DEC05	02DEC05		0109
DD1117	D5-D6 Insitu Stitch	6						DD11
DD1070	D7 - 1st. pair - 2 seg Type B		06APR06	12APR06	05NOV05	11NOV05	DD107	0
DD1075	D7 - 16 seg Type B	8	18APR06	26APR06	12NOV05	21NOV05	DD1075	
.ai Wan R	Road Overpass					and a strength		
Temporary	Traffic Management Schemes							
T2120	TTMS LW Rd (for W/B Deck) - Roadworks Advice	6	20JAN06	25JAN06	21SEP08	26SEP08	LT2120	
T2130	TTMS LW Rd (for W/B Deck) - Site Preparation	6	26JAN06	04FEB06	27SEP08	04OCT08	LT2130	1
T2200	TTMS LW Rd (for E/B Deck) - Prepare for Review	12	20JAN06	06FEB06	23APR05	07MAY05	LT2200	ł
T2210	TTMS LW Rd (for E/B Deck) - CRE Endorsement	6	21FEB06	26FEB06	15SEP08	20SEP08	LT2210	
T2220	TTMS LW Rd (for E/B Deck) - Roadworks Advice	6	27FEB06	04MAR06	21SEP08	26SEP08	LT2220	
_T2230	TTMS LW Rd (for E/B Deck) - Site Preparation	6	06MAR06	11MAR06	27SEP08	04OCT08	LT2230	1
LT3000	TTMS CC Rd (on W/B Deck) - Prepare for Review	12	20JAN06	06FEB06	23APR05	07MAY05	2000 - 100 LT3000	
LT3010	TTMS CC Rd (on W/B Deck) - CRE Endorsement	6	21FEB06	26FEB06	24OCT05	29OCT05	LT3010	
_T3020	TTMS CC Rd (on W/B Deck) - Roadworks Advice	6	27FEB06	04MAR06	30OCT05	04NOV05	LT3020	1
_T3030	TTMS CC Rd (on W/B Deck) - Site Preparation	6	06MAR06	11MAR06	05NOV05	11NOV05	LT3030	
LT3100	TTMS CC Rd (on E/B Deck) - Prepare for Review	12	20JAN06	06FEB06	23APR05	07MAY05	LT3100	
LT3110	TTMS CC Rd (on E/B Deck) - CRE Endorsement	6	21FEB06	26FEB06	16JUL06	21JUL06	LT3110	
LT3120	TTMS CC Rd (on E/B Deck) - Roadworks Advice	6	27FEB06	04MAR06	22JUL06	27JUL06	LT3120	
_T3200	TTMS CC Rd (on Both Decks) - Prepare for Review	12	21MAR06	04APR06	06DEC05	19DEC05	LT3200	
LT3210	TTMS CC Rd (on Both Decks) - CRE Endorsement	6	18APR06	23APR06	04AUG06	09AUG06	LT3210	
LT3300	TTMS CC Rd (on Both Decks) - Prepare for Review	12	18APR06	02MAY06	11JAN06	24JAN06	LT3300	
	d - Substructure							
LS1235	D13 - Install Bearings	3	20JAN06	23JAN06	10SEP05	13SEP05	LS1235	
LS1270	D14 - Backfill & Remove Temporary Works	3	14DEC05A	20JAN06	14DEC05A	04OCT08	LS1270	
_S1285	D14 - Install Bearings	6	20JAN06	26JAN06	07SEP05	13SEP05	L\$1285	
LS1286	Abutment DA2 - Remove Existig Rockfall Fence	3	20JAN06	23JAN06	16MAY05	18MAY05	LS1286	1
			20070100	2007 1100	101101100			4
rt Date ish Date a Date	23SEP03 04OCT08 20JAN06		Route 3 mo	8 - Lai Ch	i Kok Viadu Programn	HY/2003/0 ⁴	ineet 13 of 18	
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Activity	Activity	Orig.	Early	Early	Late	Late			2006			
ID	Description	Durn.	Start	Finish	Start	Finish	JAN FE		MAR			PR
S1287	Abutment DA2 - Remove Existing Footpath	6	24JAN06	02FEB06	19MAY05	25MAY05	16 23 30 6 1 L\$1287	3 20 21	6 13	20 27	3 10	17
.S1288	Abutment DA2 - Re-instate Rockfall Fence	3	03FEB06	06FEB06	26MAY05	28MAY05	LS128	8				
_S1200	Abutment DA2 - Utility Trial Trenches	3	03FEB06	06FEB06	26MAY05	28MAY05	LS129					
	Abutment DA2 - Excavation in Rock for Footing	24	07FEB06	06MAR06	30MAY05	27JUN05			LS1310			
_S1310	Abutment DA2 - Excavation in Rock for Pooling Abutment DA2 - Mass Concrete Fill Under Footing	12	07MAR06	20MAR06	28JUN05	12JUL05			101510	LS1320		
.S1320		12								1231320		1000
.S1330	Abutment DA2 - Footing	1122222	21MAR06	11APR06	13JUL05	02AUG05						1330
_S1340	Abutment DA2 - Bearing Shelf & Walls	24	12APR06	10MAY06	03AUG05	30AUG05					LS1340	-
East Bound						1						
S2205	C13 - Install Bearings	6	20JAN06	26JAN06	10AUG05	16AUG05	LS2205					
_S2220	C14 - Excavate for Footing	12	23FEB06	08MAR06	06JUL05	19JUL05			LS2220	i		
_S2230	C14 - Footing & Pier Kicker	12	09MAR06	22MAR06	20JUL05	02AUG05				LS2230		1
_S2240	C14 - Backfill & Remove Temporary Works	4	23MAR06	27MAR06	03AUG05	06AUG05				LS2	240	
_S2250	C14 - Pier (incl. Pier Head)	18	28MAR06	18APR06	08AUG05	27AUG05				1	1	LS22
_S2255	C14 - Install Bearings	2	19APR06	20APR06	29AUG05	30AUG05				į.	LS22	55
_S2260	Abutment CA2 - Excavation in Rock for Footing	12	23FEB06	08MAR06	16JUL05	29JUL05			LS2260			
S2270	Abutment CA2 - Footing	12	09MAR06	22MAR06	30JUL05	12AUG05				LS2270		
_S2280	Abutment CA2 - Bearing Shelf & Walls	24	23MAR06	20APR06	13AUG05	09SEP05			LS228	30	H	
West Boun	d - Insitu Deck											
LD1019	Lai Wan O/pass W/B - Span St. 2 - Stressing	6	20JAN06	26JAN06	05NOV05	11NOV05	LD1019					
LD1040	Lai Wan O/pass W/B - Demolish F/p for Stage 3	24	20JAN06	20FEB06	03AUG05	30AUG05		LD1040				
and the state of t	d - Insitu Deck											
LD2052	Lai Wan O/Pass E/B - Span St.3 - Falsework	18	30NOV05A	02FEB06	30NOV05A	23AUG05	LD2052					
LD2054	Lai Wan O/Pass E/B - Span St.3 - Soffit	24	07APR06	05MAY06	17AUG05	13SEP05				LD2	054	
the second s	Works - Ching Cheung Road at LCK P	dIK										
	Traffic Management Schemes											
NT2050	2nd. TTMS CC Rd (E/B C/Way) - Prepare for Review	12	20JAN06	06FEB06	23APR05	07MAY05	NT205					
NT2060	2nd. TTMS CC Rd (E/B C/Way) - CRE Endorsement	6	21FEB06	26FEB06	19OCT06	24OCT06		NT20				
NT2070	2nd. TTMS CC Rd (E/B C/Way) - Roadworks Advice	6	27FEB06	04MAR06	25OCT06	30OCT06			NT2070			
NT2080	2nd. TTMS CC Rd (E/B C/Way) - Site Preparation	6	06MAR06	11MAR06	31OCT06	06NOV06			NT2080			
NT2100	3rd. TTMS CC Rd (E/B C/Way) - Prepare for Review	12	21MAR06	04APR06	06DEC05	19DEC05					MT2100	
NT2110	3rd. TTMS CC Rd (E/B C/Way) - CRE Endorsement	6	18APR06	23APR06	20JUL06	25JUL06					NT211	
Retaining \	Wall CCR-R1 West Bound											
NW1120	W/B Ret. Wall CCR-R1B - Excavate	15	07NOV05A	23JAN06	07NOV05A	18SEP08	NW1120					
rt Date ish Date ta Date	23SEP03 P3 Fi 04OCT08 20JAN06		Route 3 mo	8 - Lai Ch	ontract No. ii Kok Viadı g Programn 1uary 2006	HY/2003/0 uct	Sheet 14 of 18 D1	n	e			
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Activity	Activity	Orig.	Early	Early	Late	Late	2006
ID	Description	Durn.	Start	Finish	Start	Finish	JAN FEB MAR APR 16 23 30 6 13 20 27 6 13 20 27 3 10 17 3
NW1130	W/B Ret, Wall CCR-R1B - Bases	24	10NOV05A	09FEB06	10NOV05A	04OCT08	16 23 30 6 13 20 27 6 13 20 27 3 10 17 NW1130
NW1140	W/B Ret, Wall CCR-R1B - Walls	36	15NOV05A	13FEB06	15NOV05A	27JUN05	NW1140
NW1150	W/B Ret. Wall CCR-R1B - Backfill Behind Wall	24	14FEB06	13MAR06	28JUN05	26JUL05	NW1150
NW1200	W/B Ret, Wall CCR-R1A West - Excavate	15	19DEC05A	28JAN06	19DEC05A	24MAY05	NW1200
NW1210	W/B Ret, Wall CCR-R1A West - Bases	24	20JAN06	20FEB06	16MAY05	13JUN05	NW1210
NW1220	W/B Ret, Wall CCR-R1A West - Walls	36	07FEB06	20MAR06	30MAY05	12JUL05	NW1220
NW1230	W/B Ret. Wall CCR-R1A West - B/fill Behind Wall	12	21MAR06	04APR06	13JUL05	26JUL05	MINW1230
NW1240	W/B Ret. Wall CCR-R1A West - Parapet on Wall	36	05APR06	17MAY06	27JUL05	06SEP05	NW1240
10.007.011.002.20	Wall CCR-R1 East Bound						
NW2160	W/B Ret. Wall CCR-R1D -Parapets on Wall	60	11MAR06	22MAY06	29SEP05	09DEC05	NW2160
NW2240	W/B Ret. Wall CCR-R1E - Parapets on Wall	24	20JAN06	20FEB06	12NOV05	09DEC05	NW2240
				201 2000	12110 000	0002000	
Drainage W NA2010	C.C. Rd. W/B in New C/way - S/water Drainage E3	75	20JAN06	21APR06	26SEP05	23DEC05	
NA2010	C.C. Rd. W/B in New C/way - S/water Drainage L3	75	05APR06	04JUL06	17SEP05	16DEC05	NA2020
and the second second	C.C. Rd. E/B in New C/way - Stormwater Drainage	75	20JAN06	21APR06	24JAN06	25APR06	
NA3000		And in case of the later.	20321400	ZIAFIQU	24541400	ZJAFROO	
the second s	Work - Ching Cheung Road - Main Sec	tion	a state print spanis				
Temporary	Traffic Management Schemes						
RT2300	4th. TTMS CC Rd E/B C/Way - Prepare for Review	12	18APR06	02MAY06	11JAN06	24JAN06	RT2300
Earthworks	s & Slope Works - CCR-S1, S2 & S3						
RE1700	Slope CCR-S1E - Finish Seed & Planting +62.3mPD	6	20JAN06*	26JAN06	09OCT06	14OCT06	RE1700
RE1710	Slope CCR-S1E - Finish Seed & Planting +54.8mPD	12	27JAN06	13FEB06	16OCT06	30OCT06	RE1710
RE1720	Slope CCR-S1E - Finish Seed & Planting +47.3mPD	12	14FEB06	27FEB06	31OCT06	13NOV06	RE1720
RE1710A	Slope CCR-S1C- Finish Seed & Planting +54.9mPD	12	20JAN06	06FEB06	16OCT06	30OCT06	RE1710A
RE1720A	Slope CCR-S1C - Finish Seed & Planting +47.3mPD	12	07FEB06	20FEB06	31OCT06	13NOV06	RE1720A
RE1810	Slope CCR-S1E&C - Rock Stabilisation to +32.3mPD	48	22AUG05A	21JAN06	22AUG05A	31JUL06	RE1810
RE1850	Slope CCR-S1E&C - Drainage to Level +25.4mPD	48	23JAN06	22MAR06	04AUG06	29SEP06	RE1850
RE1860	Slope CCR-S1E&C- Finish Seed & Planting to +25.4	36	23MAR06	05MAY06	30SEP06	13NOV06	RE1860
RE2000	Slope CCR-S2 -Excavate Rock to Formation	24	20JAN06	20FEB06	29SEP05	280CT05	RE2000
RE2050	Slope CCR-S2 - Rock Stabilisation	24	14FEB06	13MAR06	06MAY06	02JUN06	RE2050
RE2100	Slope CCR-S2 - Drainage	42	14MAR06	03MAY06	03JUN06	24JUL06	RE2100
RE1720B	Slope CCR-S1W - Seed & Planting to +39.95mPD	36	20JAN06	06MAR06	30SEP06	13NOV06	RE1720B
RE1550	Slope CCR-S1W - Rock Stabilisation to 24.9mPD	54	240CT05A	09FEB06	240CT05A	04OCT08	RE1550
RE1250	Slope CCR-S1W - Bulk Excavate to Level +19.0mPD	18	25NOV05A	28JAN06	25NOV05A	13JUN05	RE1250
art Date nish Date ata Date	23SEP03 04OCT08 20JAN06 © Primavera Systems, Inc.	e : LU28 Hig	Route 3 mo	8 - Lai Ch nth Rolling	ontract No. Il Kok Viadu Programn Iluary 2006	HY/2003/0 uct	entrecanalies subjerts

Activity	Activity	Orig.	Early	Early	Late	Late	2006
ID	Description	Durn.	Start	Finish	Start	Finish	JAN FEB MAR APR 16 23 30 6 13 20 27 6 13 20 27 3 10 17
RE1250A	Slope CCR-S1W -Detailed Excavate to Level +19.0m	18	02FEB06	22FEB06	11AUG06	31AUG06	16 23 30 6 13 20 27 6 13 20 27 3 10 17 RE1250A
RE1257	Slope CCR-S1W -Platform for Soil Nail R. 1 & 2	6	23FEB06	01MAR06	27SEP08	04OCT08	RE1257
RE1260A	Slope CCR-S1W - Soil Nails (R. 1 & 2) Working	12	20JAN06	06FEB06	08SEP06	21SEP06	RE1260A
RE1560	Slope CCR-S1W - Rock Stabilisation to 19.0mPD	48	02FEB06	29MAR06	27JUL06	21SEP06	RE1560
RE1660	Slope CCR-S1W - Drainage to Level +19.0mPD	24	16MAR06	13APR06	08SEP06	07OCT06	RE166
RE1270	Slope CCR-S1W - Excavate to Lai Wan Road O/pass	18	02FEB06	22FEB06	14JUN05	05JUL05	RE1270
RE16604	Slope CCR-S1W - Drainage to Level +16.8mPD	18	14APR06	05MAY06	09OCT06	30OCT06	RE16604
RE1665	Slope CCR-S1W - Seed & Planting to +32.4mPD	24	20JAN06	20FEB06	11AUG06	07SEP06	RE1665
RE1670	Slope CCR-S1W - Seed & Planting to +24.9mPD	24	21FEB06	20MAR06	08SEP06	07OCT06	RE1670
RE1675	Slope CCR-S1W - Seed & Planting to +19.0mPD	18	14APR06	05MAY06	09OCT06	30OCT06	RE1675
	Wall CCR-R2 (Value Engineering Design)						
RW1200	Ch 02.13 to 41.71 -Excavate & Rock Stabilisation	36	04APR05A	27JAN06	04APR05A	04OCT08	RW1200
RW1220	Ch 02.13 to 41.71 - Mass Concrete Facing Wall	24	240CT05A	08FEB06	240CT05A	07MAY05	RW1220
RW1230	Ch 02.13 to 41.71 - Retaining Wall Base Slabs	12	09FEB06	22FEB06	09MAY05	21MAY05	RW1230
RW1240	Ch 02.13 to 41.71 - Retaining Wall Stem & Coping	27	23FEB06	25MAR06	23MAY05	23JUN05	RW1240
RW1300	Ch 50.71 to 78.27 -Excavate & Rock Stabilisation	24	210CT05A	25JAN06	210CT05A	21DEC05	RW1300
RW1320	Ch 50.71 to 78.27 - Mass Concrete Facing Wall	27	26JAN06	01MAR06	22DEC05	24JAN06	RW1320
RW1320	Ch 50.71 to 78.27 - Retaining Wall Base Slabs	12	02MAR06	15MAR06	25JAN06	10FEB06	RW1330
RW1340	Ch 50.71 to 78.27 - Retaining Wall Stem & Coping	24	16MAR06	13APR06	11FEB06	10MAR06	RW134
RW1400	Ch 00.00 to 02.13 -Excavate & Rock Stabilisation	12	21FEB06	06MAR06	04MAR06	17MAR06	RW1400
RW1420	Ch 00.00 to 02.13 - Mass Concrete Facing Wall	6	07MAR06	13MAR06	18MAR06	24MAR06	RW1420
RW1430	Ch 00.00 to 02.13 - Retaining Wall Base Slabs	6	14MAR06	20MAR06	25MAR06	31MAR06	RW1430
RW1440	Ch 00.00 to 02.13 - Retaining Wall Stem & Coping	16	21MAR06	08APR06	01APR06	20APR06	RW1440
	ks Above Retaining Wall CCR-R2	10			011.01100		
RE4000	Ch 00.00 to 78.27 - Excavate in Benches	48	27MAR06	23MAY06	24JUN05	19AUG05	RE4000
RE4010	Ch 00.00 to 78.27 - Filter Layer	48	11APR06	06JUN06	09JUL05	02SEP05	RE4010
21 0.50 5		40	117411400	00001100	0000200	02021 00	
and the second se	Wall CCR-R3 Type D, E & F Ret. Wall CCR-R3E - Break Down Top of Piles	24	20JAN06	20FEB06	20MAY05	17JUN05	RW2070
RW2070		24	27JAN06	27FEB06	27MAY05	24JUN05	RW2090
RW2090	Ret. Wall CCR-R3E - Capping beam Ret. Wall CCR-R3E - Stem Walls	24	24FEB06	23MAR06	22JUN05	20JUL05	RW2110
RW2110	Ret. Wall CCR-R3E - Stern Walls Ret. Wall CCR-R3F - Break Down Top of Piles	12	03NOV05A	25JAN06	03NOV05A	2030E03	RW2190
RW2190		12	12NOV05A	08FEB06	12NOV05A	04OCT08	RW2200
RW2200	Ret. Wall CCR-R3F - Capping beam	100			30NOV05A		
RW2210	Ret. Wall CCR-R3F - Stem Walls	12	30NOV05A	02FEB06	30NOV05A	20JUL05	RW2210
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Activity	Activity	Orig.	Early	Early	Late	Late			2006		A CONTRACTOR OF THE	
ID	Description	Durn.	Start	Finish	Start	Finish	JAN 16 23 30 6	FEB 13 20	27 6 13	AR 3 20 27	APR 3 10 17	
RW2560	Ret. Wall CCR-R3D - 10No Bored Piles Piles	46	04NOV05A	21JAN06	04NOV05A	13APR06	RW2560	10 20	61 0 1	20 21	5 10 17	-
RW2570	Ret. Wall CCR-R3D - Pile Testing	24	20JAN06	20FEB06	30MAR06	27APR06		RW2	570			
RW2590	Ret. Wall CCR-R3D - Erect Noise Barriers	12	07FEB06	20FEB06	14APR06	27APR06		RW2	2590			
RW2600	Ret. Wall CCR-R3D - Break Down Top of Piles	24	21FEB06	20MAR06	28APR06	26MAY06				RW2600		
RW2610	Ret. Wall CCR-R3D - Capping beam	12	21MAR06	04APR06	27MAY06	09JUN06					RW2610	1
RW2630	Ret, Wall CCR-R3D - Stem Walls	24	30MAR06	27APR06	06JUN06	05JUL06				RW2630	- <u>1</u>	1
	Vall CCR-R3 Type A											1
RW3040	Ret. Wall CCR-R3A - Backfill & Form Platform	18	20JAN06	13FEB06	27SEP05	19OCT05		RW3040				
	Vall CCR-R3 Type B											+
RW4020	Ret, Wall CCR-R3B - Bases	24	03JAN06A	27JAN06	03JAN06A	17AUG05	RW4020					
RW4020	Ret. Wall CCR-R3B - Backfill & Form Platform	18	01MAR06	21MAR06	15SEP05	07OCT05				RW4040		
		10	0 1141 100	2110/01/00	ISOLI US	0700100				11111010		
	Vall CCR-R3 Type C Ret. Wall CCR-R3C - Excavation & Blinding	6	15APR06	21APR06	30SEP05	070СТ05					RW5010	
RW5010		0	IJAFROO	ZIAFROO	303EF03	0700105					KWSOTO	-
	s Above Retaining Walls CCR-R3D, E & F		0414000	20144 000	04 11 11 05	07.0.05					-	
RE4205	Slope above CCR-R3E&F -Remove Piling Platform	6	24MAR06	30MAR06	21JUL05	27JUL05				R	E4205	
RE4207	Slope above CCR-R3E&F -Excavate Slope	12	31MAR06	14APR06	28JUL05	10AUG05					RE42	207
RE4210	Slope above CCR-R3E&F- Filter - Btm. to 1st Berm	6	15APR06	21APR06	11AUG05	17AUG05					RE4210	
	& Slope Works - CCR-S4											
RE4268	Slope CCR-S4 - Excavate & Bench Upper Slope	24	03JAN06A	03FEB06	03JAN06A	10FEB06	RE42	268			1 1 1	
RE4280	Slope CCR-S4 - Fill and Compact	24	04FEB06	03MAR06	11FEB06	10MAR06		1 1 1	RE4280			
RE4285	Slope CCR-S4 - Form New Access Road at Footpath	24	04FEB06	03MAR06	11FEB06	10MAR06		1 1 1	RE4285			1
RE4290	Slope CCR-S4 - Upper Slope Drainage	18	04MAR06	24MAR06	04JUL06	24JUL06				RE429	0	
RE4300	Slope CCR-S4 - Upper Slope Finishes	18	25MAR06	15APR06	25JUL06	15AUG06					RE4	300
RE4310	Slope CCR-S4 - Excavate Lower Slope	24	17APR06	15MAY06	25AUG06	21SEP06					RE4310	1
Ching Cheu	ang Road NTMM Retaining Wall A											
RW5990	NNTM Wall A - Excavate to Formation	36	09JAN06A	16FEB06	09JAN06A	19MAY06		RW5990				
RW6000	NNTM Wall A - Bases	12	17FEB06	02MAR06	20MAY06	02JUN06			RW6000			
RW6010	NNTM Wall A - Walls	18	03MAR06	23MAR06	03JUN06	24JUN06				RW601	0	1
RW6020	NNTM Wall A - Drainage & Fill Behind Walls	12	24MAR06	07APR06	26JUN06	10JUL06					RW6020	1
RW6030	NNTM Wall A - Excavate to +20.5mPD	12	08APR06	21APR06	11JUL06	24JUL06				RWE	030	
11110000	lorks											T
Drainage W		58	21JUN05A	16FEB06	21JUN05A	04OCT08	Line in the second	RR1015				

Route 8 - Lai Chi Kok Viaduct 3 month Rolling Programme From 20 January 2006

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Activity	Activity	Orig.	Early	Early	Late	Late	121		-	ib.			2	006			Ring		
ID	Description	Durn.	Start	Finish	Start	Finish		AN 23	20	e	FEB	20	27		AR	07	3 1	APR	
Utilities & R							10	23	30	0	13	20	61	0 15	3 20	21	3	0 1	-
	Ching Cheung Rd. New E/B - Sign Gantry Founds	18	21FEB06	13MAR06	10DEC05	31DEC05								R	A3070				
The second second	Ching Cheung Rd. New E/B Slip Road - E&M +TCSS	75	20JAN06	21APR06	26OCT05	23JAN06			Ha	-	-	-			-		-		-
	Ching Cheung Rd. New E/B - N/B Founds Base	75	21FEB06	20MAY06	05MAY06	03AUG06			1	1	RA403	30						10	
	Lai Wan Road - Watermains & Hydrants FH4 & FH5	24	23MAR06	20APR06	11FEB06	10MAR06				1		1		RA	7000	-1-1	k i	ł.	
the second s	Works - Butterfly Valley Interchange								1	1		ļ	1						
	& Slopeworks - 11NW-A/C26																		
and the standard sector and the sector of the sector sector sector sector sector sector sector sector sector se	Slope 11NW-A/C26 - Finishing Works	12	20JAN06	06FEB06	31OCT06	13NOV06			-	PE	1040								
	All CCR-R5 (Pre-bored "H" Piles)												1						
PW2150	Ret, Wall CCR-R5 - R.C. Wall CCR-R5A	48	20JAN06	20MAR06	08AUG08	04OCT08		1	4	-	-	1			PW	/2150			
PW2040	Ret. Wall CCR-R5 - Stage 1 - Fill Behind Wall	24	20JAN06	20FEB06	05SEP08	04OCT08		1	H	1	-	PW	2040						
	Ret. Wall CCR-R5 - Stage 2 - Install "H" Piles	18	20JAN06	13FEB06	01NOV05	21NOV05		-	-	-	PW	2130							
W2225	Ret. Wall CCR-R5 - Complete Coping & Facing	12	14FEB06	27FEB06	22NOV05	05DEC05						-	PW22	25					
	Ret. Wall CCR-R5 - Complete Fill Behind Wall	12	28FEB06	13MAR06	14FEB06	27FEB06								P	W2140				
W2230	Ret. Wall CCR-R5 - Slope Works Behind Wall	36	14MAR06	25APR06	30SEP06	13NOV06				1			PW	2230			<u></u>		
Retaining W	All CCR-R6 (Pre-bored "H" Piles)										-								
PW3037	Ret. Wall CCR-R6 -Temporary Piling Platform	50	20JAN06	22MAR06	02DEC04	31JAN05					-			1	P	W3037			
PW3040	Ret. Wall CCR-R6 - "H" Piles A60-A63 & A1-A23	75	23MAR06	21JUN06	01FEB05	04MAY05				1	1			PW	3040		×	11.7	
Utilities & R	Roadworks									1	1	1				1		1	
PR1110	CLP Slew 2No.132kva No.5 Behind Wall CCR-R5	18	21DEC05A	28JAN06	21DEC05A	14NOV05		F	PR11	10	1	į		- 1					
Kiosk at Slip	p Road C										1	1							
PK1000	Kiosk at Slip Rd. C - Structure	24	21FEB06	20MAR06	29OCT05	25NOV05									PK	1000			
PK1010	Kiosk at Slip Rd. C - Building Finishes	48	21MAR06	17MAY06	26NOV05	23JAN06							8	PK10	010		-	N. La Marca	
PK1020	Kiosk at Slip Rd. C - MVAC Installation	24	21MAR06	18APR06	26NOV05	23DEC05												F	PK1
PK1030	Kiosk at Slip Rd. C - Electrical Works	24	05APR06	03MAY06	10DEC05	09JAN06										PK103	0		
PK1040	Kiosk at Slip Rd. C - Drainage Works	24	19APR06	17MAY06	24DEC05	23JAN06											PK	1040	

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APPENDIX C MONITORING REQUIREMENTS

Type of Monitoring	Parameter	Frequency	Location	Measurement Conditions
Air Quality	1-hour TSP 24-hour TSP	3 times every 6 days Once every 6 days	AM2 (Lai Chi Kok Park Sports Centre)	• Rooftop facing the site area
	L _{eq} , L ₉₀ & L ₁₀ at 30 minute intervals during (0700 to 1900 on normal weekdays)	Once per week	NM2 (Lai Chi Kok Reception	 NM2 – Roadside (Façade measurement)
	L_{eq} , L_{90} & L_{10} at 5 minute intervals during (1900 to 2300) ⁽¹⁾	Once per week (include 3 consecutive 5-min measurements)	 Centre) ⁽²⁾ NM3 (Lai Chi Kok Hospital) ⁽³⁾ NM4 (Mei Foo Sun Chuen, 	 NM3 – Rooftop of Block L (Façade measurement) NM4 – Rooftop of Block 9
Noise	L_{eq} , L_{90} & L_{10} at 5 minute intervals during (2300 to 0700 of next day) ⁽¹⁾	Once per week (include 3 consecutive 5-min measurements)	 Phase 5) NM8a (M/F of Nob Hill) NM8b (3/F of Nob Hill) 	 (Façade measurement) NM8a – M/F of Nob Hill (Façade measurement) NM8b – 2/E of Nob Hill
	L_{eq} , L_{90} & L_{10} at 5 minute intervals during (0700 to 1900 on holidays) ⁽¹⁾	Once per week (include 3 consecutive 5-min measurements)	• NM9 (Hoi Lai Estate)	 NM8b – 3/F of Nob Hill (Façade measurement) NM9 – G/F of Hoi Fai House

⁽¹⁾ – Conduct noise monitoring only when construction work is carried out.

⁽²⁾ – Renovation work was undertaken at the Lai Chi Kok Reception Centre (NM2) and the centre was found vacated. The noise monitoring was suspended since December 2004. Approval for the change of EM&A Programme was granted by EPD on 30 December 2004.

⁽³⁾ - The Lai Chi Kok Hospital (NM3) was also found vacated and noise monitoring could not be conducted since January 05. EPD's approval for suspension of noise monitoring at this station was received on 15th March 2005.

APPENDIX D ENVIRONMENTAL QUALITY PERFORMANCE (ACTION/LIMIT) LEVELS

Appendix D - Action and Limit Levels (LCKV)

1-Hour TSP

Location	Action Level, μg/m ³	Limit Level, µg/m ³
AM2	301	500

24-Hour TSP

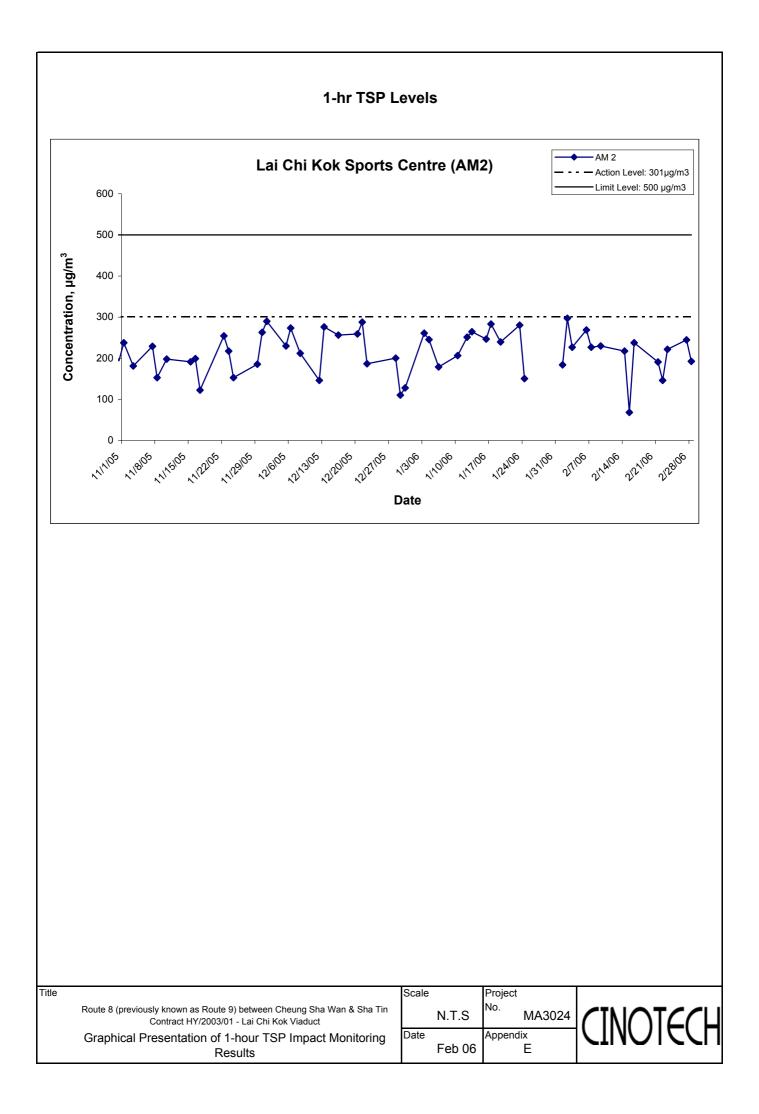
Location	Action Level, µg/m ³	Limit Level, µg/m ³
AM2	177	260

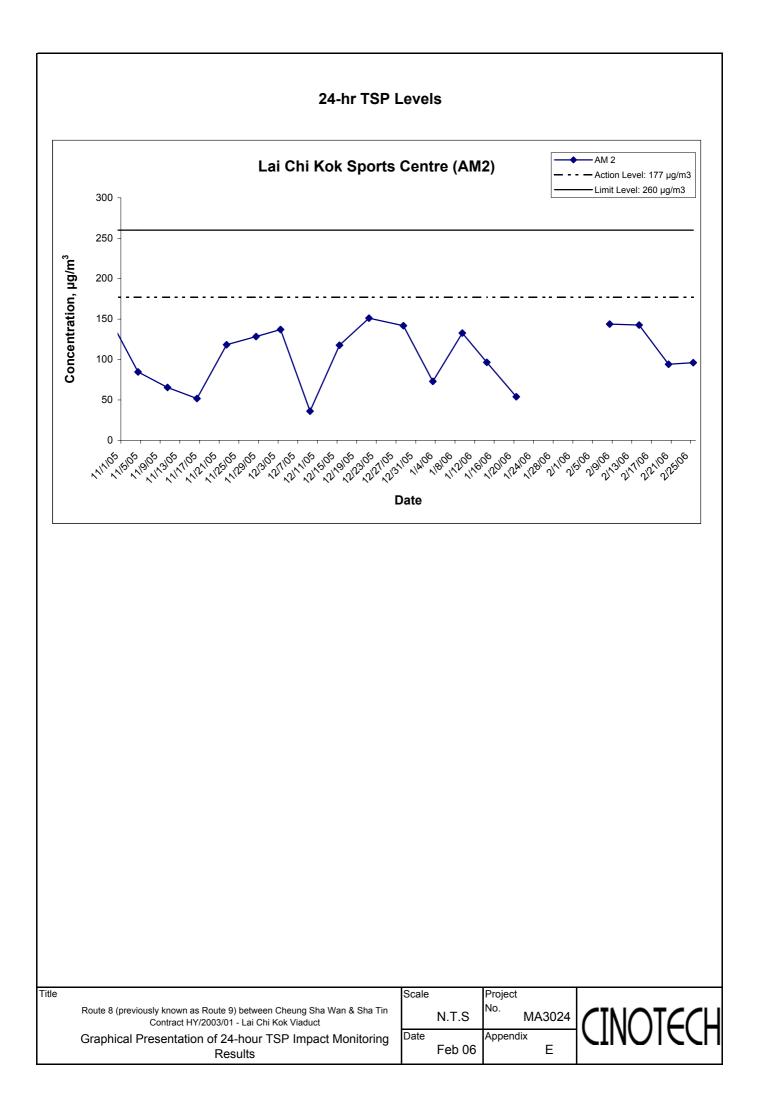
Construction Noise

Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays		75 dB(A)
0700-2300 hrs on holidays & 1900-2300 hrs on all other days	When one documented complaint is received	70* dB(A)
2300-0700 hrs of next day		55* dB(A)

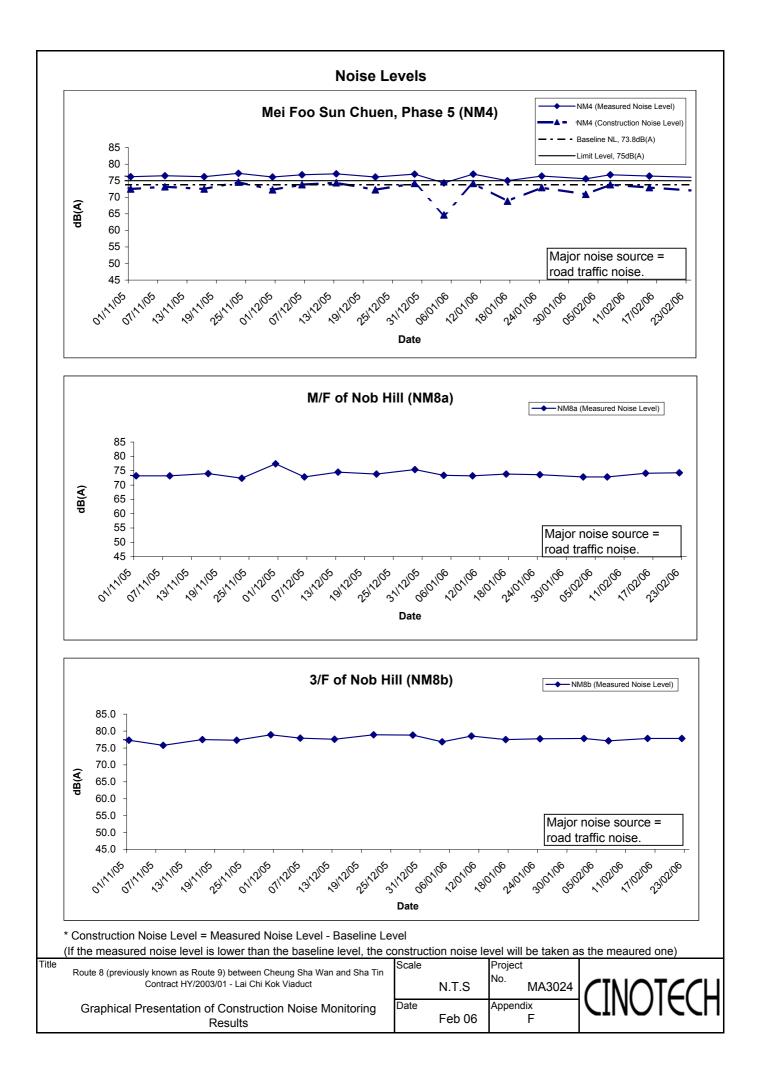
(*) The Area Sensitivity Rating for the noise monitoring stations (NM3, NM4, NM8a, NM8b and NM9) is taken as C, according to Table 1 of EPD's Technical Memorandum on Noise from Construction Work other than Percussive Piling.

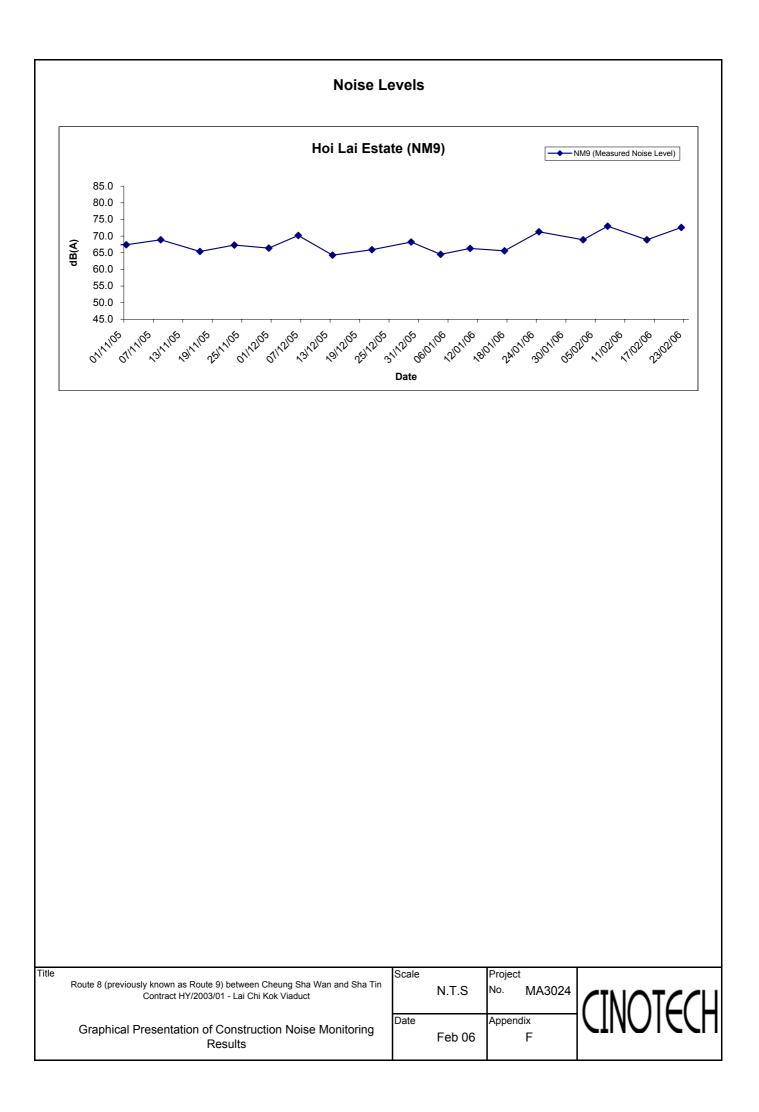
APPENDIX E GRAPHICAL PRESENTATION OF AIR QUALITY MONITORING RESULTS

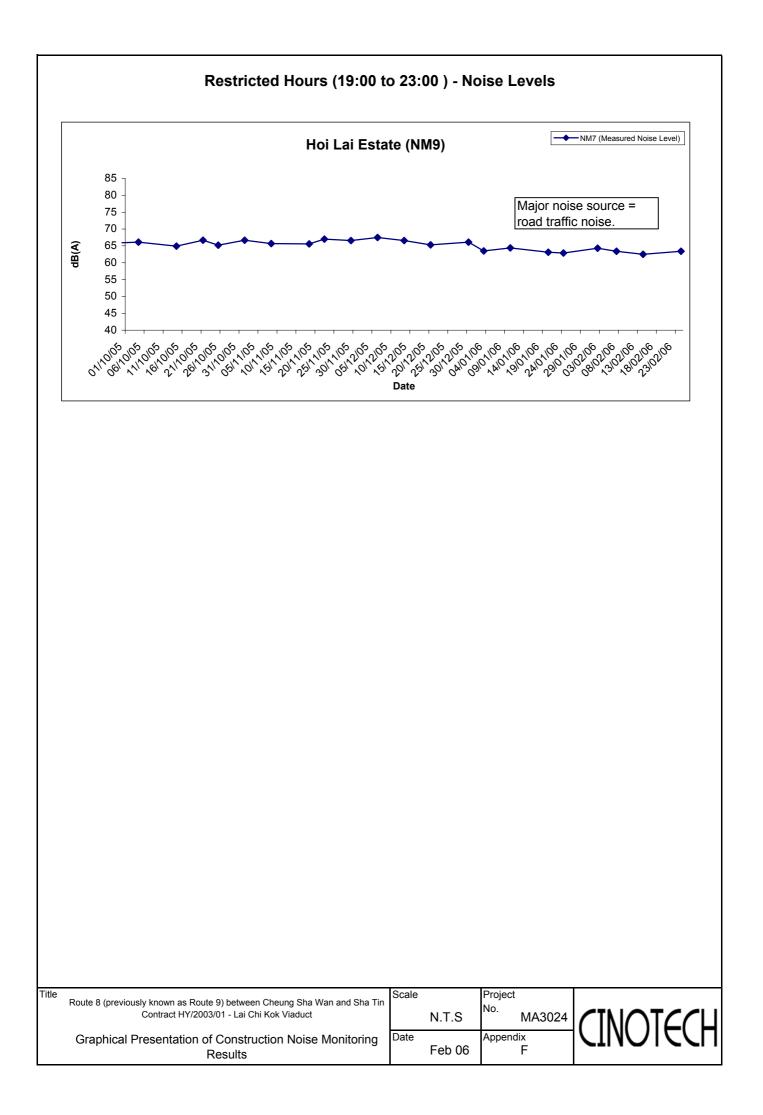




APPENDIX F GRAPHICAL PRESENTATION OF NOISE MONITORING RESULTS







APPENDIX G IMPLEMENTATION SCEDULE OF ENVIRONMENTAL MITIGATION MEASURES (EMIS)

Types of Impacts	Mitigation Measures	Status
	• Any stockpile of dusty materials or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water so as to maintain the entire surface wet.	^
	• A stockpile of dusty materials should not extend beyond the pedestrian barriers, fencing or traffic cones.	^
	 Vehicle washing facilities should be provided at every exit point. 	^
	• The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.	^
	• Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.	^
Construction Dust	• Every main haul road should be sprayed with water or a dust suppression chemical so as to maintain the entire road surface wet.	^
Dust	• The portion of any road leading only to a construction site that is within 30m of a discernible or designated vehicle entrance or exit should be kept clear of dusty materials.	^
	• Any stockpile of dusty materials should be either covered entirely be impervious sheeting, placed in an area sheltered on the top and the 3 sides or sprayed with water or a dust suppression chemical so as to maintain the entire surface wet.	^
	• All dusty materials should be sprayed with water or a dust suppression chemical immediately prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet.	^
	• Every vehicle should be washed to remove any dusty materials from its body and wheels immediately before leaving a construction site.	^
	• The working area of any excavation should be sprayed with water or a dust suppression chemical immediately before, during and immediately after the operation so as to maintain the entire surface wet.	^
Construction Noise	Only well-maintained plant should be operated on –site and plant should be serviced regularly during the construction works.	^
	• Machines and plant that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	^
	• Plant know to emit noise strongly in one direction, should where possible, be orientated to direct noise away from the NSRS.	^
	• Mobile plant should be sited as far away from NSRs as possible.	^
	• Material stockpiles and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.	^
	• Use quite plant and Working Method	^

Appendix G - Summary of Environmental Mitigation Implementation Schedule

Types of Impacts	Mitigation Measures	Status
	Reduce the number of plant operating in critical areas close NSRs.	^
	Construct temporary and movable noise barriers	^
Water Quality	Construction Runoff and Drainage	
	• Use of sediment traps and the adequate maintenance of drainage systems to prevent flooding and overflow.	^
	• Boundaries of critical areas of earthworks should be marked and surrounded by dykes or embankments for flood protection. Temporary ditches should be provided to facilities runoff discharge into the appropriate watercourses, via a silt retention pond. Permanent drainage channels should incorporate sediment basins or traps and baffles to enhance deposition rates.	^
	• All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge should be adequately designed for the controlled release of storm flows. All sediment traps should be regularly cleaned and maintained. The temporarily diverted drainage should be reinstated to its original condition when the construction works has finished or the temporary diversion is no longer required	^
	• Sand silt in the wash water from the wheel washing facilities, which ensure no earth, mud and debris is deposited on roads, should be settled out the removed before discharging into storm drains. A section of the road between the wheel washing bay and the public road should be paved with backfill to prevent wash water or other site runoff form entering public road drains.	^
	• Oil interceptors should be provided in the drainage system and regularly emptied to prevent the release of oils and grease into the storm water drainage system after accidental spillage. The interceptor should have a bypass to prevent flushing during periods of heavy rain.	^
	• Catchpits and perimeter channels shall be constructed in advance of site formation works and earthworks.	^
	• Silt removal facilities, channels and manholes shall be suitably maintained with the deposited silt and grit being removed at least once a week, and at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	^
	• Earthworks final surfaces shall be well compacted and the subsequent permanent work or surface protection shall be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate intercepting channels shall be provided along the site boundary or at the locations agreed with the ET Leader. Rainwater pumped out from trenches or foundation excavations shall be discharged into silt removal facilities before discharge into storm drains.	٨
	• All generators, fuel and oil storage shall be within bunded areas. Drainage from the areas shall be connected to storm drains via a petrol interceptor.	^
	Tunnelling Work	
	• Temporary open storage of excavated materials should be covered with tarpaulin or similar fabric during rainstorms. Any washout of construction or excavated materials form the drill and blast tunnelling work should be diverted to the drainage system via appropriate sediment traps.	N/A
	• Ground water pumped out of tunnels should be discharged into the drainage channels which incorporated sediment traps to enhance deposition rates and to remove silt.	N/A

Types of Impacts	Mitigation Measures	Status
•	• Spend grouts used in diaphragm wall construction should be collected in a separate slurry collection system, reconditioned and reused wherever practicable. The disposal of used grouting materials will only be permitted if it is treated to the TM standards before discharge to the storm drains or disposal to landfill.	N/A
	General Construction Activities	
	• Debris and rubbish on site should be collected, handled and disposed of properly to avoid entering the water column and cause water quality impacts.	^
	• All fuel tanks and storage areas will be provided with locks and be located on sealed areas (within bunds of a capacity equal to 110% of the storage capacity of the largest tank or 20% by volume of the fuel stored in that areas, whichever in the greatest).	^
	Sewage Effluent	
	• Construction work force sewage discharges form fixed toilet facilities on-site should be connected to the nearby existing trunk sewer wherever feasible. However, for areas where existing trunk sewer is not available, it is recommended that appropriate and adequate on site portable chemical toilets should be provided by a licensed contractor who will be responsible for appropriate disposal and maintenance of these facilities.	^
	• It is considered that sewage discharges could also be treated by on-site septic tanks and soakaway. Minimum clearance away form streams and catchments and other requirements for the proposed septic tank and soakaway should be referred to EPD's Practice Note for Professional Persons, Drainage Plans.	N/A
Waste	General	
	• Training and instruction shall be given at a site to construction staff to increase awareness and draw attention to waste management issues and the need to minimise waste generation. The training requirement shall be included in the site waste management plan.	^
	Storage, Collection and Transportation of Waste	
	• Wastes shall be handled and stored in a manner to ensure that they are held securely without loss or leakage.	^
	• Authorised or licensed waste hauliers shall be used and they shall only collect wastes prescribed by their permits.	^
	• Waste shall be removed on a daily basis.	^
	• Waste storage area shall be maintained and cleaned on a daily basis.	^
	• Windblown litter and dust during transportation shall be minimised by either covering trucks or transporting wastes in enclosed containers.	^
	• Obtain necessary waste disposal permits from the appropriate authorities if they are required.	^
	Wastes shall be disposed of at licensed waste disposal facilities.	^
	• Develop procedure such as ticketing system to facilitate tracking of loads, particularly for chemical waste, and to ensure that illegal disposal of wastes does not occur.	^
	 Maintain records of the quantities of wastes generated, recycled and disposed. 	^

Types of Impacts	Mitigation Measures	Status
	Surplus Excavated Materials	
	• Due to the high risk of loose material being washed into the existing nullah, stockpile materials should be properly compacted and covered from water erosion and located at least 10m away from the nullah wall.	^
	Construction and Demolition (C&D) Waste	
	 Careful design, planning and good site management shall be adopted to minimise over-ordering and generation of waste materials such as concrete grouts. 	^
	• The handling and disposal of bentonite slurries shall be undertaken in accordance with Practice Note for Professional Persons – Construction Site Drainage (ProPECC PN 1/94) on construction site drainage.	N/A
	• Construction and demolition (C&D) material shall be segregated to inert and non-inert parts. The inert portion shall re-used at areas of reclamation or land formation, or to public filling area shall such allocation is deemed necessary. The non-inert portion shall be disposed of to landfill.	^
	Chemical Waste	
	• Chemical waste that is produce during construction shall be handled in accordance with the Cod of Practice on the Packaging, Handling and Storage of Chemical Wastes.	^
	 Containers used for the storage of chemical wastes should: a. Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; 	
	 b. Have a capacity of less than 450 litres unless the specifications have been approved by the EPD; c. Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Chemical Waste Regulations. 	^
	 The storage area for chemical wastes should: a. Be clearly labelled and used solely for the storage of chemical waste; 	
	 b. Be enclosed on at least 3 sides; c. Have an impermeable floor and bunding of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in the area, whichever is largest; d. Have adequate ventilation; 	^
	e. Be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste if necessary);	
	 f. Be arranged so that incompatible materials are adequately separated. Disposal of chemical waste shall be via a licensed waste collector; and to a facility licensed to receive chemical waste; or a reuser of the waste (under approval from EPD). 	^
	General Refuse	

Types of Impacts	Mitigation Measures	Status
	• General refuse generated on-site shall be stored in enclosed bins or compaction unit separate from C&D and chemical wastes. A reputable waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&D and chemical wastes, on a daily for every second day basis to minimise odour, pest and litter impacts. The burning of refuse on construction sites is prohibited by law.	^
	• Reusable rather than disposable dishware shall be used if feasible.	N/A
	A sediment barrier shall be erected to minimize stream sedimentation at downstream of the project boundary of the Toll Plaza.	N/A
	• Conduct a tree survey before commencement of the construction work.	^
Ecology	• All measures recommended in the approved landscape proposals under Condition 2.4 in EP above shall be fully implemented in accordance with the details and time schedule set out in the submission.	N/A
	• Loss of the adjacent woodland due to temporary land take shall be returned to the original status immediately.	N/A
	• Wild and uncontrolled fire shall be strictly prohibited	^
	• Fences shall be erected along the boundary of the construction sites at the Toll Plaza before commencement of works, to prevent tipping, vehicle movements, and encroachment of personnel onto adjacent wooded areas.	N/A
	• Landscape mitigation measure 1 (LMM1) – Construction programming and management. The periphery of the works areas at street level shall be managed so that they do not appear cluttered, untidy and unattractive and inconvenient to pedestrians. For example, all hoarding shall be colorfully designed with interesting motifs demonstrating the work of Highways Department. Hoardings with bland colours shall be avoided.	N/A
Landscape and Visual Impact	• Landscape mitigation measure 2 (LMM2) – Advanced planting and erosion control works. Where possible, the transplantation of existing valuable trees, the stockpiling of topsoil, new planting and erosion control works shall be carried out as early as possible in the construction period instead of at the end. This will assist in maximizing the time for carrying out transplantation and new planting, resulting in a higher success rate for the survival of transplantation and new planting, resulting in a higher success rate for the survival of transplanted trees. The stockpiling of topsoil will provide an abundant use of on-site material for growing media. During detailed design, the issue of stockpiling of topsoil in a manner that would avoid washing into the drainage scheme should be examined comprehensively.	N/A
	 Measurement of vibration would also be carried out on a need basis during the piling work 	^

Remarks:	^	Compliance of mitigation measure;	Х	Non-compliance of mitigation measure;
	N/A	Not Applicable;	•	Non-compliance but rectified by the contractor

APPENDIX H SUMMARY OF ENVIRONMENTAL LICENCES AND PERMITS

Appendix H - Summary of Environmental Licensing and Permit Status (LCKV)

Permit No.	Valid	Period	Details	Status
1 CI IIII 190.	From	To	Details	Status
Environmental Peri	mit (EP)			
EP-103/2001/C	22/7/05	N/A	 <u>Construction and operation of</u> (a) All civil works (including highways, traffic, geotechnical, drainage, structural, architectural and landscaping works) for the Lai Chi Kok Viaduct, the interchange with Ching Cheung Road, the main road within Butterfly Valley and the Eagle's Nest Tunnel; (b) All E&M works (including ventilation, Traffic Control & Surveillance System (TCSS), toll collection system and lighting) for the whole Route 9 between Cheung Sha Wan and Sha Tin; (c) The permanent slope works above the northern portal of the Eagle's Nest Tunnel; (d) The architectural works (including fitting out and furnishings) of the portal buildings of the Sha Tin Heights Tunnel. 	Valid
Registration of Che				
WPN 5213-261-N2413-0 4	17/11/03	N/A	N/A	Valid
Water Discharge Li				
EP482/260/251/1	05/12/03	31/12/08	Discharge of industrial trade effluent arising from the construction site at Route 9 – Lai Po Road Section of Lai Chi Kok Viaduct (Contract HY/2003/01).	Valid
EP482/260/251/2	15/12/03	31/12/08	Discharge of industrial trade effluent arising from the construction site at Route 9 – Lai Chi Kok Viaduct excluding Lai Po Road Section.	Valid
Construction Noise	Permit (CN	(P)		
GW-RW0563-05	02/09/05	01/03/06	<i>Location:</i> Ching Cheung Road near Mei Foo Sun Chuen <i>Time Period:</i> General holidays (including Sundays) between 0700-2300 hours and any other days between 1900-2300 hours	Valid
GW-RW0648-05	07/10/05	06/04/06	<i>Location:</i> Junction of Ching Cheung Road and Castle Peak Road <i>Time Period:</i> General holidays (including Sundays) between 0700-2300 hours and any other days between 1900-2300 hours	Valid
GW-RW0662-05	17/10/05	16/03/06	<i>Location:</i> Junction of Ching Cheung Road and Castle Peak Road <i>Time Period:</i> Any day not being a general holiday between 2100-0700 hours	Valid
GW-RW0699-05	7/11/05	5/5/06	<i>Location:</i> Lai Po Road near West Kowloon Highway <i>Time Period:</i> Any day not being a general holiday between 2100-0700 hours	Valid
GW-RW0716-05	9/11/05	31/3/06	<i>Location:</i> Kwai Chung Road and Butterfly Valley Road <i>Time Period:</i> Whole day of general holidays (including Sundays) and any other days between 1900-0700 hours on next day	Valid

Permit No.	Valid	Period	Details	Status
1 c1 mit 110.	From	То	Details	Jiaius
GW-RW0738-05	15/11/05	14/05/06	<i>Location:</i> Lai Po Road near Hoi Lai Estate <i>Time Period:</i> General holidays (including Sundays) between 0700-2300 hours and any other days between 1900-2300 hours	
GW-RW0739-05	19/11/05	31/03/06	<i>Location:</i> Yuet Lun Street, Kwai Chung Road & Butterfly Valley Road <i>Time Period:</i> Any day not being a general holiday between 2100-0700 hours	Valid
GW-RW0740-05	16/11/05	14/05/06	<i>Location:</i> Lai Po Road near Yuet Lun Street <i>Time Period:</i> Whole day of general holidays (including Sundays) and any other days between 1900-0700 hours on next day	Valid
GW-RW0745-05	18/11/05	17/05/06	<i>Location:</i> Ching Cheung Road near LCK Swimming Pool <i>Time Period:</i> Whole day of general holidays (including Sundays) and any other days between 1900-0700 hours on next day	Valid
GW-RW0757-05	23/11/05	31/03/06	<i>Location:</i> Ching Cheung Road near LCK Power Substation <i>Time Period:</i> Whole day of general holidays (including Sundays) and any other days between 1900-0700 hours on next day	Valid
GW-RW0824-05	25/12/05	23/04/06	<i>Location:</i> Kwai Chung Road <i>Time Period:</i> General holidays (including Sundays) between 0900-2100 hrs	Valid
GW-RW0825-05	20/12/05	19/05/06	<i>Location:</i> Butterfly Valley <i>Time Period:</i> General holidays (including Sundays) between 0000-2400 hours from 20/12/05 to 9/1/06, general holidays (including Sundays) between 0000-2300 hours from 10/1/06 to 19/5/06 and any other days between 1900-0700 hours on next day	Valid
GW-RW0844-05	15/1/06	14/06/06	<i>Location:</i> Butterfly Valley <i>Time Period:</i> Whole day of general holidays (including Sundays) and any other days between 1900-0700 hours on next day	Valid
GW-RW0867-05	3/2/06	2/8/06	<i>Location:</i> Hing Wah Street West (Jetty Area) <i>Time Period:</i> Whole day of general holidays (including Sundays) and any other days between 1900-0700 hours on next day	Valid
GW-RW0046-06	3/2/06	2/8/06	<i>Location:</i> Butterfly Valley Road near LCK Reception Centre <i>Time Period:</i> Whole day of general holidays (including Sundays) and any other days between 1900-0700 hours on next day	Valid
GW-RW0056-06	6/2/06	5/8/06	<i>Location:</i> Lai Wan Road <i>Time Period:</i> Any day not being a general holiday between 2100-0700 hours	Valid
GW-RW0083-06	18/2/06	17/8/06	<i>Location:</i> Ching Cheung Road near Mei Foo Sun Chuen <i>Time Period:</i> General holidays (including Sundays) between 0700-2300 hours and any other days between 1900-2300 hours	Valid

Permit No.	Valid	Period	Details	
I CI IIIII INO.	From	То	Details	Status
GW-RW0090-06	21/2/06	19/8/06	<i>Location:</i> Castle Peak Road near Kom Tsun Street <i>Time Period:</i> Any day not being a general holiday between 2300-0700 hours	Valid
GW-RW0091-06	19/2/06	13/8/06	<i>Location:</i> Ching Cheung Road near CLP Substation <i>Time Period:</i> General holidays (including Sundays) between 0900-2100 hrs	Valid
GW-RW0093-06	26/2/06	21/5/06	<i>Location:</i> Ching Cheung Road near Lai Wan Road <i>Time Period:</i> General holidays (including Sundays) between 0700-1900 hrs	Valid

APPENDIX I COMPLAINT LOGS

Appendix I - Complaint Log

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Ref. 40318	Nob Hill	18 March 2004	Kwai Tsing District Officer (KTDO)recently received a public noisecomplaint about construction noisegenerated from the Route 8 – Lai ChiKok Viaduct (R8-LCKV) Project, nearNob Hill, Lai Chi Kok. KTDO referredthe complaint to the HighwaysDepartment (HyD) on the same day.HyD subsequently referred thecomplaint to the Environmental Team(ET) Leader of the Project on 18 March2004.The complaint was raised by theCitybase Property Management Ltd.(the management company of NobHill) and the Secretarty of Nob HillOwners Committee (Mr. Kevin Tse)about construction noise generated	 Based on the information provided by the ER, the construction activities conducted in the vicinity of Nob Hill in the period between 2 and 18 March 2004 were: Item 1 – Breaking off existing planter and excavate trial trench to expose underground utilities (using one to two backhoes) Item 2 – Erect rock fall fence & forming platform for predrilling (using one backhoe and occasionally one crane lorry) Item 4 – Excavate further to expose all underground utilities (using hand tools) Item 5 – Pre-drilling works (using one drilling rig) Considering the scale of work and the PMEs adopted, the ET believed that the construction noise impact at Nob Hill from the above construction activities of R8-LCKV was not significant. The bored piling work (Item 3) using one crawler crane and one oscillator was started on 19 March 2004, which was two days 	Closed
		18 March 2004	about construction noise generated from the R8-LCKV Project at the work areas near Nob Hill. Mr. Kevin Tse mentioned that residents living in Nob Hill have greatly been affected by the noise impacts generating from the R8- LCKV construction works. He also requested relevant government departments to consider installing noise barrier along Ching Cheung Road and to work out possible measures to minimize the noise nuisances to the residents living in the vicinity.	 after the issue date of this complaint, so this activity was not considered in this report. According to the EM&A Manuals, Nob Hill was not selected as Noise Monitoring Location (NML) for the Project. Therefore, no direct noise monitoring data could be provided for the complaint investigation. However, there was no noise level exceedance recorded at the nearby NML (NM4 – Mei Foo Sun Chuen, Phase 5) since the commencement of the project according to ET's inventory. During ET's weekly environmental site inspections on 3, 10, 17 March 2004, no serious noise nuisance induced by the Project works was observed at the sites near Nob Hill. Based on the joint site visit with the representative of HyD, IEC, RSS and ET to the Nob Hill on 30 March 2004, the major noise 	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				source at Nob Hill was identified as traffic noise on Ching Cheung Road, which is located very close to this building, especially at or above the Podium Floor (i.e. 5/F).	
				 Based on the information obtained, this noise complaint is not considered due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise, such as: To space out noisy equipment and position it as far away as possible from the sensitive receivers; To avoid concurrent uses of noisy equipment near the sensitive area; To ensure the equipment are maintaining in good operation condition; and To turned off any idle equipment on site. 	
				Adding to that, ET is proposed to install one to two noise monitoring stations at Nob Hill in order to monitor the noise impact generated from the R8-LCKV Project to the resident of Nob Hill or the nearby buildings.	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
40330	Site Areas near Nob Hill	30 March 2004	 Highways Department (HyD) recently received a public noise complaint about construction noise generated from the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project, near Nob Hill, Lai Chi Kok. HyD referred the complaint to the RSS and subsequently referred to the ET Leader of the Project on 30 March 2004. The complaint was raised by Mr. Yau, the Office of DCV Member Mr. Cheung Wing Shum, regarding the high pitch construction noise generated at the R8-LCKV site which cause serious nuisance to the residents at Mei Foo. 	 Based on the information provided by the RSS, the Contractor was not aware of any high pitched construction noise arising from plant employed for their works. The noise complaint referred to may be originated from the damage of a gas main valve on the afternoon of 29 March 2004 in the vicinity of the junction of Mai Lai Road with Lai King Hill Road. The high pitched whistle apparently resulted from the damage which was repaired by TownGas in that afternoon. Based on the information obtained, this noise complaint is considered not due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise, such as: To space out noisy equipment and position it as far away as possible from the sensitive receivers; To ensure the equipment are maintaining in good operation condition; and To turned off any idle equipment on site. 	Closed
40402	Nob Hill	06 April 2004	A public noise complaint was received by the Contractor (NECSO) on 02 April 2004 regarding the noise generated from the Ching Cheung Road Widening Works of the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project, near Nob Hill, Lai Chi Kok. NECSO referred the complaint to the RSS and subsequently referred to the ET Leader of the Project on 6 April 2004	The complaint was raised by Ms Wong, regarding the noise generated from the Ching Cheung Road Widening Works of the R8-LCKV Project, which cause serious nuisance to her. Based on the information provided by the RSS, the plants employed by the Contractor for carrying out bored piling works in front of Nob Hill should not generate excessive noise. The RSS had also checked against the site records that no piling works was in progress in front of Nob Hill on 1-3 April 2004. According to telephone communication between the complainant (Ms Wong) and the RSS on 8 April 2004, the RSS reported that Ms Wong was not complaining about the construction noise generated by the R8-LCKV Project. She was actually complaining about the traffic noise she anticipated to be generated after completion of widening work at Ching Cheung	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				 Road in front of Nob Hill. During ET's weekly environmental site inspections on 17, 24 & 31 March 2004 and 7 April 2004, no serious noise nuisance induced by the Project works was observed at the construction sites near Nob Hill. Based on the joint site visit with the representative of HyD, IEC, RSS and ET to the Nob Hill on 30 March 2004, the major noise source at Nob Hill was identified as traffic noise on Ching Cheung Road, which is located very close to this building, especially at or above the Podium Floor (i.e. 5/F). Based on the information obtained, this noise complaint is considered not due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise, such as To space out noisy equipment and position it as far away as possible from the sensitive receivers; To avoid concurrent uses of noisy equipment near the sensitive area; To ensure the equipment are maintaining in good operation condition; and To turned off any idle equipment on site. 	
40710	Pier P7 in Portion E1	10 July 2004	A public complaint was raised on 30 th June 2004 regarding the washout of muddy water from the site area of the Route 8 – Lai Chi Kok Viaduct (R8- LCKV) Project, at Pier P7 onto Lai Chi Kok Road. The complaint was referred to the RSS on 3 rd July 2004 and subsequently referred to the ET Leader of the Project on 10 th July 2004.	 Based on the information provided by the RSS, the spillage of muddy water was in fact due to a burst in a temporary water pipe being utilized in the piling operations at Pier P7 in Portion E1. Emergency remedial works were undertaken preventing further spillage of muddy water. The remaining ponding water within the works area arising from the burst was all removed from the area on 5th July 2004. During ET's weekly environmental site inspection on 14th July 2004, no serious water quality nuisance induced by the Project works was observed at the construction sites near Pier P7. It was 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			The complaint was raised by Mr. Chan, regarding the washout of muddy water from the works area of the R8-LCKV	also noted that the back of profile barriers along the site boundary had been sealed up by cement as preventive measures. During ET's weekly environmental site inspections on 17, 24 &	
			Project onto Lai Chi Kok Road. The washout caused nuisance to the drivers utilizing the road, and may also cause danger to the motorbikes.	31 March 2004 and 7 April 2004, no serious noise nuisance induced by the Project works was observed at the construction sites near Nob Hill.	
				Based on the information obtained, the complaint is considered due to the construction activities of the Project. Emergency remedial works had been taken by the Contractor to rectify the situation and preventive measures had also been implemented.	
				 Nevertheless, the Contractor was recommended to adopt the following measures to avoid re-occurrence of similar incidents: to enhance surface runoff control measures along the site boundary; to provide adequate training to the frontline workers; and to regularly inspect temporary water supply equipment, such as hose pipe to make sure the equipment is in good condition. 	
40809	Ching Cheung Road area near Nob Hill	22-Jul-04 (by EPD) 09-Aug-04 (by ET Leader)	EPD received a public noise complaint on 22 July 2004 about construction noise and dust generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project, at the Ching Cheung Road Area near Nob Hill. EPD subsequently referred the complaint to the ET Leader of the Project on 9 August 2004. The complaint was about the construction noise and dust observed at the Ching Cheung Road area near Nob Hill. The locations of the works areas being concerned by the complainant include:	 Information Provided by RSS Information (construction activities and equipment adopted) in a 2-week period before the date of complaint, i.e. 7 to 21 July 2004, was obtained from the Resident Site Staff. Area A: Item 1 – Drainage works by using 1 x backhoe; Item 2 – Bored piling works by using 1 x crawler crane, 1 x air compressor, 1 x reverse circulation drill and 1 x power pack; Item 3 – Trial trench excavation by man power; Item 4 – Gas main diversion by 1 x backhoe (performed by TGC's Contractor) Area B: No construction activity was undertaken in the concerned period. 	Closed
			1. Area A: Works area between Nob	Review of Environmental Monitoring Results	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			 Hill and Lai Chi Kok Park Swimming Pool Area B: Works area between Ching Cheung Road and Mei Lai Road / Lai Wan Road opposite to Mei Foo Sun Cheung (Phase 5) and Lai Chi Kok Public Library. 	concerned works areas, include: <u>Noise Monitoring</u> NM4: R/F of Mei Foo Sun Chuen (Phase 5) NM8a: M/F of Nob Hill	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50215	Mei Foo Sun Chuen, Phase 5 (Retaining Wall CC-R3)	15-Feb-05 (by ET Leader)	A public complaint was raised on 8 th Feb 2005 regarding construction noise from the site area of the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project near Mei Foo Sun Chuen. The complaint was referred to the Resident Site Staff on 14 th Feb 2005 and subsequently referred to the ET Leader of the Project on 15 th Feb 2005. The complaint was raised by a resident in Mei Foo Sun Chuen, regarding the noise generation from the piling work at Retaining Wall CC-R3, adjacent to Po Leung Kuk Tong Nai Kan College.		Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50322	Seung Lai House, Wah Lai Estate (Slope S1)	11-Mar-05 (by EPD) 22-Mar-05 (by ET Leader)	Environmental Protection Department (EPD) received a public noise complaint on 11 Mar 05 about daytime construction noise generation from R8- LCKV. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 22 Mar 05. The complaint was raised by a resident of Seung Lai House of Wah Lai Estate, regarding the daytime (0800-1800 hrs) construction noise generated from the slope work and road work of R8- LCKV Project. As advised by EPD, the complainant is living on 20/F or above in Seung Lai House.	 Construction Activities As advised by the RSS, the major construction work during 25 Feb 05 to 11 Mar 05 (2 weeks before the date of complaint) in the vicinity of Wah Lai Estate included excavation work, soil nail work and installation of u-channel and manholes. The major powered mechanical equipment included excavators, drilling machine and air compressor. In view of the separation of the site area (Slope S1) and the Seung Lai House (around 140 m) and also the traffic noise from Ching Cheung Road, the noise generated from the construction activities at Slope S1 was believed to be insignificant. Environmental Monitoring Ad-hoc noise measurement was conducted at Seung Lai House on 30th Mar 05 and the measured noise level (Leq-30min) was 66.9 dB(A), which was well below the criterion for daytime construction noise of 75 dB(A). The construction noise level (with reduction of background noise level) is expected to be even lower. Conclusion Based on the information obtained and the noise measurement results, this complaint is considered not justifiable. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise impact. 	Closed

Log Ref. Location	n Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50330, 50331, 50404 & 50407 Wah Lai Es	30-Mar-05, 31- Mar-05, 4-Apr- 05 & 7-Apr-05 (by ET Leader via RSS)	Four public complaints were lodged by the residents of Wah Lai Estate regarding the construction noise from the site area of the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project near Wah Lai Estate. The complaints were referred by the Resident Site Staff to the Environmental Team (ET) Leader on 30 th , 31 st March, 4 th and 7 th April 2005, respectively.	 Construction Activities The site of concern was likely to be Slope S1, which is around 140 m away from Wah Lai Estate. The major construction work at Slope S1 included trimming of slope, soil nail work and erection of u-channels and step channels. Environmental Monitoring Ad-hoc noise measurement was conducted at Seung Lai House on 30th Mar 05 and 7th Apr 05 and the measured noise levels (Leq-30min) were ranged from 66.9 to 69.1 dB(A), which were well below the criterion for daytime construction noise of 75 dB(A). The construction noise level (with reduction of background noise level) is expected to be even lower. Conclusion Based on the results of the ad-hoc noise measurements at Wah Lai Estate, no exceedance of daytime noise criterion of 75 dB(A) was recorded. The complaints lodged are therefore considered not justifiable. Mitigation The Contractor agreed to arrange the noisy activities to commence after 8:00 am. This arrangement could effectively reduce the disturbance to the residents within the more sensitive time period (7:00 am to 8:00 am). 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50404- v2	Mei Foo Sun Chuen	4-Apr-05 (by ET Leader via RSS)	A public complaint was raised on 1 st April 2005 regarding construction noise from the site area of the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project near Mei Foo Sun Chuen. The complaint was referred to the Resident Site Staff and the ET Leader on 4 th April 2005.	 Construction Activities The site of concern was likely to Retaining Wall CC-R3, adjacent to Po Leung Kuk Tong Nai Kan College. The major construction works at this area included bored piling works and excavation works. Environmental Monitoring According to the EM&A Manual, Mei Foo Sun Chuen, Phase 5 (NM4) is designated as one of the noise monitoring stations. Since the commencement of the impact monitoring programme, the construction noise levels recorded at this station were all below the noise criterion. Conclusion Based on the noise monitoring results at Station NM4 (Mei Foo Sun Chuen), no exceedance of daytime noise criterion of 75 dB(A) was recorded since the commencement of the impact monitoring programme. The complaint lodged is therefore considered not justifiable. Mitigation The Contractor has agreed to arrange the noisy activities to commence after 8:00 am. This arrangement could effectively reduce the disturbance to the residents within the more sensitive time period (7:00 am to 8:00 am). The Contractor also agreed to provide some temporary noise barriers for the noisy machinery if found necessary. 	Closed

Log Ref. I	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50613 Ma	ei Foo Sun Chuen	7-Jun-05 (by EPD) 13-Jun-05 (by ET Leader)	According to EPD, the complaint was raised by a resident of Mei Foo Sun Chuen (Block 7, Phase 5) on 7 June 2005. It was about construction dust emitted intermittently from the slope works undertaken on the other side of Mei Lai Road. The complainant was particularly concerned about the fugitive dust emission during rock / concrete breaking activities.	The site of concern was likely to be CCR-R3. Bored piling works and demolition of existing retaining walls were undertaken at this area in the period between 1 and 7 June 2005. It was believed that the demolition of existing retaining wall, which involved concrete breaking, was the activity of concern. <i>Observations</i>	Closed

Log Ref. Lo	ocation	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50721	ai House, Lai Estate	21-Jul-05 (by ET Leader)	The complaint was lodged by a resident of Hei Lai House of Wah Lai Estate through a Legislative Council member. The complaint was about construction noise nuisance caused by rock breaking work, which claimed to be started from 8:30am daily, carried out at Ching Cheung Road near Wah Lai Estate. The complainant hoped that the rock breaking work could start later i.e. be carried out from noon to afternoon and the site could be fully enclosed. The Environmental Team (ET) of the Project received the complaint on 21 July 2005 and forwarded it to the Resident Site Staff (RSS) to obtain necessary information.	 Site Activities The slope work at Slope S1 was likely to be the activity of concern. The work at Slope S1 recently included the operation of excavator mounted breakers, excavators and dump trucks. The time period of concern was within normal working hours (7am to 7pm) on a weekday not being a public holiday. The noise criterion is 75 dB(A) for domestic premises. <i>Noise Measurement</i> Ad-hoc measurements were carried out on the roof of Hei Lai House on 25 July 2005. The results show that the measured noise level is well below the noise criterion of 75 dB(A). The construction noise level (with reduction of background noise) is expected to be even lower. <i>Conclusion</i> Since the noise measurement results at Wah Lai Estate were below 75 dB(A), the complaint was considered not justifiable. Nevertheless, noise mitigation measures have been implemented by the Contractor to minimize the noise impact arising from the breaking activities: 1. Employment of silenced-type breakers; 2. Temporary noise barriers, attached with sound adsorption materials, were erected to screen the site of breaking from sensitive receivers 3. While the permitted hours for construction works are 7am to 7pm on non-holidays, the Contractor has commenced the rock breaking activity after 8:30am. 	Closed

Log Ref. Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
51107 Ching Cheun Road near Ma Foo Sun Chua	ei (by the ET	Environmental Protection Department (EPD) received a public complaint about environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 7 November 2005. According to EPD, the complaint was raised by a resident of Mei Foo Sun Chuen. The complaint was about dark smoke, dust and noise nuisance caused by the construction work of R8-LCKV near Mei Foo Sun Chuen.	 The site of concern was likely to be CCR-S4 and CCR-R3. According to RSS's records, bored piling works and soil nail drilling at CCR-R3, excavation works at CCR-S4 in the concerned period. <i>Site Inspection</i> After receipt of the complaint, an ad-hoc site inspection was carried by ET on 9 November 2005 and the following observations were made: Breaking activities were undertaken at CCR-R2 and R3. Continuous water spray was applied by the workers for dust suppression. Movable noise barriers were erected to alleviate the noise impact. The haul roads and exposed works areas were observed wet. A water sprinkler was installed at the CCR-S4 for water spraying. Most of the slope was shot-creted to avoid wind erosion. Bored piling work was carried out near the site exit of CCR-R3. Since bored piling mainly involves handling of wet materials, dust nuisance causing by this type of work is not anticipated. Gas exhaust from the machines was visually clear and no dark smoke was identified. <i>Environmental Monitoring</i> Air quality monitoring was conducted at Lai Chi Kok Sports Centre and noise monitoring is conducted at Mei Foo Sun Chuen. No exceedance was recorded for both monitoring. <i>Conclusion</i> 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
	Lai Po Road near Hoi Lai Estate	18-Jan-06 (by the ET Leader)	Environmental Protection Department (EPD) received a public complaint about environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 18 January 2006. According to EPD, the complaint was lodged by a resident of Hoi Ming House of Hoi Lai Estate. The complaint was about construction noise nuisance caused by construction work of R8-LCKV carried out at Lai Po Road near Hoi Lai Estate. The noise nuisance was noted since 14 January 2006 during the periods from 2330 hrs to 0600 hrs.	 Site Activities According to the RSS's records, night works were carried out by the Contractor between 2000 hrs on 14 January 2006 and 0530 hrs on 15 January 2006: Delivery of segment from storage yard near Pier P5/L to Pier 15 for erection; Stressing to temporary PT bars of segments at Pier B3. The above night works, which involved operation of tractor, mobile crane, lifting frame and generator, were undertaken under the two construction noise permits CNP no. GW-RW0739-05 and GW-RW0740-05. Environmental Monitoring In order to evaluate the noise impact onto the residents of Hoi Lai Estate, nighttime noise monitoring was carried out on 18 January 2006 at 23:00. The above monitoring results revealed that the measured noise levels were close to the reference background levels. After correction of the mean background level, all corrected noise levels were below the noise criterion of 55 dB(A). Conclusion Based on the information collected and the monitoring results, the complaint is considered not justifiable. Nevertheless, the Contractor was reminded to take sufficient noise mitigation measures to minimize the environmental impact on the nearby community. 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
60119	Mei Foo Sun Chuen (Phase 5)	18-Jan-06 (by the ET Leader)	Environmental Protection Department (EPD) received a public complaint about environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 19 January 2006. According to EPD, the complaint was raised by a resident of Mei Foo Sun Chuen via a Sham Shui Po District Council Member's Office. The complaint mentioned that residents of Mei Foo Sun Chuen Stage 5 were adversely affected by construction dust caused by the Route 8 work carried out at the slopes adjacent to Ching Cheung Road.	 Site Activities The site of concern was likely to be CCR-S4, CCR-R2 and CCR-R3. According to RSS's records, site activities included: Trimming of existing rock slope at CCR-S4; Excavation and rock dowel installation at CCR-R2; and Construction of cable trough at CCR-R3 by CLP's contractor. Site Inspection After receipt of the complaint, an ad-hoc site inspection was carried by ET on 19 January 2006. No environmental deficiency regarding construction dust was identified during the inspection. Environmental Monitoring All monitoring results in Jan 06 revealed that no exceedance was recorded for the air quality (1-hr and 24-hr TSP) criteria. Contractor's Action The Contractor of R8-LCKV had implemented several dust mitigation measures: Haul roads, exposed slope surface and soil stockpiles were watered regularly by hose pipes and sprinklers; Idled exposed slope were shot-creted; and Watering was applied for the dust emissive activities, such as loading and unloading of dusty materials, excavation and breaking works. Conclusion Based on the ad-hoc site inspection and the environmental monitoring results, this complaint was considered not justifiable. Nevertheless, the Contractor was reminded to keep on the dust mitigation measures being implemented and step up the measures if necessary.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
60213 60216 60220 60222	Hoi Lai Estate (Lai Po Road)	13-Feb-06 16-Feb-06 20-Feb-06 22-Feb-06 (by the ET Leader)	Four environmental complaints were received in this reporting month. Three of them were referred by EPD on 13 th , 20 th and 22 nd Feb 06 and the other one was referred by HyD via MHJV on 16 th Feb 06. All about construction noise due to night works at Lai Po Road near Hoi Lai Estate.	 Site Activities Since around mid-January 2006, segments were transported to Piers P15 and B4, under the permission of construction noise permit (CNP). It was suspected that the sound of concern was generated from tractors for precast segment transportation. In view of the safety of workers, an alert sound and flashing are maintained during backing action of the tractors. Site Inspection An ad-hoc inspection was carried out by the ET on 16 Feb 06 from 00:30 to 02:30 am. Noise measurement was carried out during the inspection to evaluate the noise impact onto the residents of Hoi Lai Estate. During the monitoring, the major noise source identified was the road traffic noise from Sham Mong Road and Lai Po Road. No alarm sound or alike from the construction equipment was noted. The above monitoring results revealed that the measured noise levels were close to the reference baseline level. After correction of the mean background level, most of data were below the noise criterion of 55 dB(A). Conclusion Based on the information collected and the monitoring results, the complaints are considered not justifiable. It was suspected that the nuisance was caused by the alert sound of tractors during backward movement which servers as a safety measure. However, the RSS and the Contractor are considering the possibility of lowering the alert sound level or replacing by a less disturbing pitch in order to minimize the noise nuisance to residents of Hoi Lai Estate. 	Closed

APPENDIX J SUMMARY OF EXCEEDANCES

Summary of Exceedances Recorded in the Reporting Quarter

a) Exceedance Report for 1-hr TSP (NIL)

b) Exceedance Report for 24-hr TSP (NIL)

c) Exceedance Report for Construction Noise

- Five noise action level exceedance were recorded due to a noise complaint received on 18 January, 13, 16, 20 and 22 February 2006. The details of the complaint can refer to Appendix I.
- No Limit Level exceedance was recorded in the reporting period.