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

Monthly EM&A Report
Part I – Lai Chi Kok Viaduct (Version 1)

July 2006

Approved By _____
(Environmental Team Leader)

REMARKS:

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

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ABBREVIATION AND ACRONYM

AL Levels	Action and Limit Levels
CEDD	Civil Engineering and Development Department
E / ER	Engineer/Engineer's Representative
EIA	Environmental Impact Assessment
EM&A	Environmental Monitoring and Audit
EMIS	Environmental Mitigation Implementation Schedule
EP	Environmental Permit
EPD	Environmental Protection Department
ET	Environmental Team
HVS	High Volume Sampler
HyD	Highways Department
IEC	Independent Environmental Checker
NOE	Notification of Exceedancne
QA/QC	Quality Assurance / Quality Control
RE	Resident Engineer
RH	Relative Humidity
SLM	Sound Level Meter
TSP	Total Suspended Particulates

EXECUTIVE SUMMARY

Introduction

- This is the thirty-second monthly 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 report documents the findings of EM&A Works conducted in July 2006 for Contract No. HY/2003/01, Lai Chi Kok Viaduct (the Project).

- The major site activities undertaken in the reporting month included construction of Pier 21, cross head of column at Pier 21, bulk excavation works, retaining wall construction, drainage works at Hoi Lai Estate and Rest Garden Area, segment erection by lifting crane at Pier C6 and Construction of Wai Man Tsuen pump house.

Environmental Monitoring and Audit Works

- Environmental monitoring and audit works for the Project was performed regularly as stipulated in the updated EM&A Manual and the results were checked and reviewed. 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 month is tabulated in **Table I**.

Table I Summary Table for Events Recorded in the Reporting Month

Parameter	No. of Events		No. of Events Due to the Project	Action Taken
	Action Level	Limit Level		
1-hr TSP	0	0	0	N/A
24-hr TSP	0	0	0	N/A
Noise	0	0	0	N/A

Environmental Licenses and Permits

- Licenses/Permits granted to the Project include the Environmental Permit (EP) for the Project, the Water Discharge Licenses (WDLs) and the Construction Noise Permits (CNPs). Four new CNPs were issued to the Project by EPD in the reporting month.

Key Information in the Reporting Month

- Summary of key information in this reporting month is tabulated in **Table II**.

Table II Summary Table for Key Information in the Reporting Month

Event	Event Details		Action Taken	Status	Remark
	Number	Nature			
Complaint received	0	---	N/A	N/A	---
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:

- Rock dowel installation at slope CCR-S1 & CCR-S4.
- Bulk excavation works at slope CCR-S4, CCR-R3, CCR-R4 and CCR-R6.
- Retaining wall construction at CCR-R1 to CCR-R6 and LCK-R2.
- Drainage works at Rest Garden area and Hoi Lai Estate.
- Offsite fabrication of parapet and noise barrier.
- Segment erection by launching gantry at pier P21 and Abutment M.
- Cast in-situ of slip roads C and D.
- Segment erection by lifting crane at pier C6.
- Parapet installation for Main Viaduct and slip roads A to D.
- Erection of noise barrier at slip roads A, C and D.
- Construction of Wai Man Tsuen pump house.

The anticipated environmental impacts will be mainly on air impact from bulk excavation works, noise impact from construction of Wai Man Tsuen pump house, and water quality impact during rainy season.

1. INTRODUCTION

Background

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. 499) (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. 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 and a varied EP No. EP-103/2001/A was subsequently issued on 20 May 2003 for R9K (R9K EP) to 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 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 Consultants Ltd. was appointed as the ET Leader under Condition 2.2 of the EP. Mr. David YEUNG of CH2M HILL Hong Kong Ltd. was appointed as the IEC under Condition 2.1 of the EP. This is the thirty-second monthly EM&A report summarizing the EM&A works for the Project in July 2006.

Project Organizations

1.8 Different parties with different levels of involvement in the project organization include:

- Project Proponent – Major Works Project Management Office (MWPMO) of Highways Department (HyD)
- Engineer (E) / Engineer's Representative (ER) – Maunsell-Hyder Joint Venture
- Environmental Team (ET) – Cinotech Consultants Limited
- Independent Environmental Checker (IEC) – CH2M HILL Hong Kong Limited
- Contractor – Acciona Infraestructuras S.A.

1.9 The responsibilities of respective parties are detailed in Section 1.8.3 of the EM&A Manual (1999) of the Project.

1.10 The key contacts of the Project are shown in **Table 1.1**.

Construction Programme

1.11 The site activities undertaken in the reporting month were:

- Construction of Pier P21 and cross head of column at pier.
- Soil nail installation at slope CCR-S4.
- Bulk excavation works at slope CCR-S1, CCR-S4, CCR-R3, CCR-R4 and CCR-R6.
- Retaining wall construction at CCR-R1 to CCR-R6 and LCK-R1.
- Drainage works at Rest Garden area, Hoi Lai Estate and piers B1.
- Offsite fabrication of pre-cast deck segment moulds and segment casting.
- Segment erection by launching gantry at pier P21.
- Cast in-situ of slip road C
- Cast in-situ and precast segment erection at slip road D.
- Segment erection by lifting crane at pier C6 and Abutment M.
- Parapet installation for Main Viaduct and slip roads A to D.

Table 1.1 Key Project Contacts

Party	Role	Name	Position	Phone No.	Fax No.
HyD	Permit Holder	Mr. Kroc Leung	SE2/R8K	2762 3662	2714 5198
		Mr. Esther Yung	E1/R8K	2762 3677	
		Mr. LC Chung	E2/R8K	2762 3613	
MHJV	Engineer	Mr. Conrad Ng	Project Manager	2605 6262	2691 2649
	Engineer's Representative	Mr. D.F. Lilliman	CRE	2959 0010	2959 0290
		Mr. Henry Liu	SRE	2991 1068	
		Mr. Joseph Chi	RE	2991 1034	
Cinotech	Environmental Team	Dr. Priscilla Choy	The ET Leader	2151 2089	3107 1388
		Ms. Attle Hui	Audit Team Leader	2151 2093	
		Mr. Henry Leung	Monitoring Team Leader	2151 2087	
CH2M	Independent Environmental Checker	Mr. David Yeung	Independent Environmental Checker	2872 2934	2507 2293
		Mr. Billy Yu	Assistant Independent Environmental Checker	2872 2949	
Acciona	Contractor	Mr. Rafael Rubio	Project Director	2956 3300	2956 3331
		Mr. Lawrence Kwok	QA/E Manager		
24-hour Emergency Hotline				2370 9200	-

Summary of EM&A Requirements

1.12 The EM&A programme requires construction phase monitoring for air quality and construction noise, and environmental site audit. The EM&A requirements for each parameter are described in the following sections, including:

- All monitoring parameters;
- Action and Limit levels for all environmental parameters;
- Event Action Plans;
- Environmental mitigation measures, as recommended in the project EIA study final report; and
- Environmental requirements in contract documents.

1.13 The advice on the implementation status of environmental protection and pollution control/mitigation measures is summarized in Section 4 of this report.

1.14 This report presents the environmental monitoring results, observations, locations, equipment, period, methodology and QA/QC procedures of the required monitoring parameters, namely dust and noise levels and audit works for the Project in the reporting month.

2. AIR QUALITY

Monitoring Requirements

2.1 Monitoring of 1-hour and 24-hour TSP was conducted to monitor the air quality. **Appendix A** shows the established Action/Limit Levels for the environmental monitoring works.

Monitoring Locations

2.2 One designated monitoring station, AM2 was selected for impact dust monitoring for the Project. **Table 2.1** describes the air quality monitoring location, which is also depicted in **Figures 1**.

Table 2.1 Locations for Air Quality Monitoring

Monitoring Station	Description	Location
AM2	Lai Chi Kok Park Sports Centre	Rooftop

Monitoring Equipment

2.3 **Table 2.2** summarizes the equipment used for the air quality monitoring. Copies of calibration certificates are attached in **Appendix B**.

Table 2.2 Air Quality Monitoring Equipment

Equipment	Model and Make	Quantity
Calibrator	GMW25; S/N: 1536	1
HVS Sampler	Graseby GMW Model GS2310 High Volume TSP Sampler and associated equipment and shelter	1

Monitoring Parameters, Frequency and Duration

2.4 **Table 2.3** summarizes the monitoring parameters and frequencies of impact dust monitoring for the whole construction period. The air quality monitoring schedule for the reporting period is shown in **Appendix C**.

Table 2.3 Impact Dust Monitoring Parameters, Frequency and Duration

Parameters	Frequency
1-hr TSP	Three times / 6 days
24-hr TSP	Once / 6 days

Monitoring Methodology and QA/QC Procedure

Instrumentation

2.5 Graseby GMW Model GS2310 TSP High Volume Sampler (HVS) was employed for 1-hour & 24-hour TSP monitoring. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complied with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50). Moreover, the HVS also met all the requirements in Sections 2.2 to 2.4 of the EM&A Manual (1999).

Operating/Analytical Procedures

2.6 Operating/analytical procedures for the operation of HVS were as follows:

- A horizontal platform was provided with appropriate support to secure the samplers against gusty wind.
- No two samplers were placed less than 2 meters apart.
- The distance between the sampler and an obstacle, such as buildings, was at least twice the height that the obstacle protrudes above the sampler.
- A minimum of 2 meters of separation from walls, parapets and penthouses was required for rooftop samples.
- A minimum of 2 meters separation from any supporting structure, measured horizontally was required.
- No furnaces or incineration flues were nearby.
- Airflow around the sampler was unrestricted.
- The sampler was more than 20 meters from the drip line.
- Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring.

2.7 Prior to the commencement of the dust sampling, the flow rate of the high volume sampler was properly set (between 1.1 m^3/min. and 1.4 m^3/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.

2.8 For TSP sampling, fiberglass filters (G810) were used.

2.9 The power supply was checked to ensure the sampler worked properly.

2.10 On sampling, the sampler was operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air monitoring station.

2.11 The filter holding frame was then removed by loosening the four nuts and a weighted and conditioned filter was carefully centered with the stamped number upwards, on a supporting screen.

2.12 The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.

2.13 The shelter lid was closed and secured with the aluminum strip.

2.14 The timer was then programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).

2.15 After sampling, the filter was removed and sent to the laboratory for weighing. The elapsed time was also recorded.

2.16 Before weighing, all filters were equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than ±3°C; the relative humidity (RH) should be < 50% and not vary by more than ±5%. A convenient working RH is 40%.

Maintenance/Calibration

2.17 The following maintenance/calibration was required for the HVS:

- The high volume motors and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.
- High volume samplers were calibrated at bi-monthly intervals using GMW-25 Calibration Kit throughout all stages of the air quality monitoring.

Results and Observations

2.18 All TSP monitoring was conducted as scheduled in this reporting month. No Action/Limit Level exceedance was recorded for both 1-hr and 24-hr TSP monitoring in the reporting month.

2.19 Wind data monitoring equipment has been installed in Shatin Heights for logging wind speed and wind direction. These wind data for the reporting month is summarized in **Appendix D**.

2.20 The monitoring data and graphical presentations of 1-hour and 24-hour TSP monitoring results are shown in **Appendices E** and **F**, respectively.

3. NOISE

Monitoring Requirements

3.1 Monitoring and audit of construction noise levels is required to be conducted, in accordance with the EM&A Manual, to ensure that any unacceptable noise impacts could be readily detected and timely and appropriate action be undertaken to rectify the situation.

3.2 The construction noise levels shall be measured in terms of the A-weighted equivalent continuous sound pressure level (Leq). Leq (30min) shall be used as the monitoring parameter for the time period between 0700-1900 hours on normal weekdays. For all other time periods, Leq (5min) shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. As supplementary information for data auditing, statistical results such as L_{10} and L_{90} shall also be obtained for reference.

3.3 Four designated noise monitoring stations, namely NM4, NM8a, NM8b and NM9 were selected for impact monitoring. **Appendix A** shows the established Action and Limit Levels for the environmental monitoring works.

Monitoring Locations

3.4 Noise monitoring was conducted at five designated monitoring stations as summarized in **Table 3.1**. **Figures 1** show the locations of these stations.

Table 3.1 Noise Monitoring Stations

Stations*	Description	Location
NM4	Mei Foo Sun Chuen, Phase 5	Rooftop of Block 9
NM8a	Nob Hill	M/F of Car Park
NM8b	Nob Hill	3/F of Car Park
NM9	Hoi Lai Estate	G/F of Hoi Fai House

(1) 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 30th December 2004.

(2) The Lai Chi Kok Hospital (NM3) was also found vacated and noise monitoring has been suspended since January 2005, as approved by EPD on 15th March 2005.

3.5 Stations NM8a and NM8b were installed at Nob Hill in May 2004. Station NM8b is located at 3/F of the car park of Nob Hill, which is strongly influenced by traffic noise from Ching Cheung Road. The measurement at this station is for reference purpose, but not for compliance check of construction noise. The measured noise level at Station NM8a, which is located at M/F of car park and closer to the construction site, acts as an indicator of the construction noise. Since the domestic premises are located above 5/F, noise assessment would be performed to assess the level of nuisance resulting from the construction noise at the domestic premises whenever the measured noise level at NM8a exceeds the noise limit level.

3.6 A new housing estate, Hoi Lai Estate, became one of the noise sensitive receivers close to the Project site. As recommended by the Regional (West) Office of EPD, noise monitoring at this location (Station NM9) was newly included in the EM&A programme. Approval for the change of EM&A programme was granted by EPD on 30th December 2004.

Monitoring Equipment

3.7 **Table 3.2** summarizes the noise monitoring equipment model being used. Copies of calibration certificates are attached in **Appendix B**.

Table 3.2 Noise Monitoring Equipment

Equipment	Model and Make	Qty.
Integrating Sound Level Meter	B&K Model 2238	5
Calibrator	B&K 4231	2
Wind Speed Anemometer	RS232 Integral Vane Digital Anemometer	1

Monitoring Parameters, Frequency and Duration

3.8 **Table 3.3** summarizes the monitoring parameters, frequency and total duration of monitoring. The noise monitoring schedule is shown in **Appendix C**.

Table 3.3 Noise Monitoring Parameters, Frequency and Duration

Stations	Parameter	Period	Frequency	Measurement
NM4	L_{10}(30 min.)dB(A) L_{90}(30 min.)dB(A) L_{eq}(30 min.)dB(A)	0700-1900 hrs. on weekdays	Once per week	Façade
NM8a				Façade
NM8b				Façade
NM9				Façade

Monitoring Methodology and QA/QC Procedures

- The Sound Level Meter was generally set on a tripod at a height of 1.2 m above the ground, depending to the actual monitoring condition.
- The battery condition was checked to ensure the correct functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
  - frequency weighting : A
  - time weighting : Fast
  - time measurement : 30 minutes / 5 minutes
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1.0 dB, the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.
- The wind speed was frequently checked with the portable wind meter.

- At the end of the monitoring period, the L_{eq}, L_{90} and L_{10} were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- Noise measurement was paused during periods of high intrusive noise if possible and observation was recorded when intrusive noise was not avoided.
- Noise monitoring was cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s.

Maintenance and Calibration

3.9 The microphone head of the sound level meter and calibrator was cleaned with soft cloth regularly.

3.10 The meters were sent to the supplier to check and calibrate on a yearly interval.

Results and Observations

3.11 Noise monitoring was performed at the four designated locations as scheduled in this reporting month.

3.12 All the Construction Noise Levels (CNLs) reported in this report, except those collected at Stations NM8a, NM8b and NM9, 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.

3.13 Noise monitoring results and graphical presentations are shown in **Appendix G**.

3.14 No Action/Limit Level exceedance was recorded in the reporting month.

3.15 At Stations NM8a and NM8b, the major noise source identified during the monitoring exercises was mainly the road traffic noise.

3.16 At Station NM4 and NM9, construction noise from the Project and occasionally the traffic noise were identified as the major noise source during monitoring.

4. ENVIRONMENTAL AUDIT

Site Audits

4.1 Site audits were carried out by ET on weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site. The summaries of site audits are attached in **Appendix I**.

4.2 Site audits were conducted on 3rd, 12th, 19th and 26th July 2006 by ET. The audit session on 3rd July 2006 was conducted with the representatives of HyD, IEC, ER, the Contractor and ET.

Review of Environmental Monitoring Procedures

4.3 The monitoring works conducted by the monitoring team were inspected regularly. The following observations have been recorded for the monitoring works:

Air Quality Monitoring

- The monitoring team recorded all observations around the monitoring stations within and outside the construction site.
- The monitoring team recorded the temperature and weather conditions on the monitoring days.

Noise Monitoring

- The monitoring team recorded all observations around the monitoring stations, which might affect the monitoring result.
- Major noise sources were identified and recorded. Other intrusive noise attributing to the result was trimmed off by pausing the monitoring temporarily.

Status of Environmental Licensing and Permitting

4.4 All permits/licenses obtained for the Project are summarized in **Table 4.1**. Four new CNPs were issued to the Project in the reporting month.

Implementation Status of Environmental Mitigation Measures

4.5 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 EMIS is provided in **Appendix K**.

Table 4.1 Summary of Environmental Licensing and Permit Status

Permit No.	Valid Period		Details	Status
	From	To		
Environmental Permit (EP)				
EP-103/2001/C	22/7/05	N/A	Construction and operation of (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 Chemical Waste Producer				
WPN 5213-261-N2413-04	17/11/03	N/A	N/A	Valid
Water Discharge Lisence				
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 (CNP)				
GW-RW0867-05	3/2/06	2/8/06	*Location:* Hing Wah Street West (Jetty Area) *Time Period:* Whole day of general holidays (including Sundays) and any other days between 1900-0700 hrs on next day	Expired
GW-RW0083-06 (replaced by GW-RW0121-06)	18/2/06	17/8/06	*Location:* Ching Cheung Road near Mei Foo Sun Chuen *Time Period:* General holidays (including Sundays) between 0700-2300 hrs and any other days between 1900-2300 hrs	Valid
GW-RW0091-06	19/2/06	13/8/06	*Location:* Ching Cheung Road near CLP Substation *Time Period:* General holidays (including Sundays) between 0900-2100 hrs	Valid
GW-RW0121-06	11/3/06	6/9/06	*Location:* Ching Cheung Road near Castle Peak Road *Time Period:* Whole day of general holidays (including Sundays) and any other days between 1900-0700 hrs on next day	Valid
GW-RW0135-06	16/3/06	15/9/06	*Location:* Butterfly Valley *20/03/06 to 31/03/06 Time Period:* Whole day of general holidays (including Sundays) and any other days between 1900-0700 hrs on next day 1/4/06 to 15/9/06 *Time Period:* General holidays (including Sundays) between 0900-2300 hrs and any other days between 1900-0700 hrs on next day	Valid

Permit No.	Valid Period		Details	Status
	From	To		
GW-RW0142-06	22/3/06	15/9/06	*Location:* Lai Wan Road *Time Period:* Any day not being a general holiday between 2100-0700 hrs on next day	Valid
GW-RW0145-06	31/3/06	30/9/06	*Location: Lai Po Road and Yuet Lun Street* *Time Period:* Any day not being a general holiday between 2100-0700 hrs on next day	Valid
GW-RW0146-06	22/3/06	19/9/06	*Location:* Lai Wan Road *Time Period:* Whole day of general holidays (including Sundays) and any other days between 1900-0700 hrs on next day	Valid
GW-RW0173-06	31/3/06	30/9/06	*Location:* Butterfly Valley Road, Lai Chi Kok *Time period:* General holiday including Sundays between 0000-2300 hrs and any day not being a general holiday between 1900-2300	Valid
GW-RW0192-06	7/4/06	6/10/06	*Location:* Junction of Ching Cheung Road and Castle Peak Road *Time Period:* General holidays (including Sundays) between 0700-2300 hours and any other days between 1900-2300 hours	Valid
GW-RW0244-06	27/4/06	26/9/06	*Location:* Ching Cheung Road near Mei Foo Sun Chuen *Time Period:* General holiday (included Sundays) between 0700-2300 hours and any day not being a general holiday between 1900-2300 hours.	Valid
GW-RW0257-06	4/5/06	3/10/06	*Location:* Castle Peak Road near Ching Cheung Road *Time Period:* General holiday (includes Sundays) between 0700-2300 hours and any day not being a general holiday between 1900-2300 hours.	Valid
GW-RW0258-06	5/5/06	4/10/06	*Location:* Butterfly Valley *Time Period:* General holiday (includes Sundays) between 0000-2400 hours and any day not being a general holiday between 1900-0700 hours.	Valid
GW-RW0269-06	15/5/06	14/11/06	*Location:* Lai Po Road near Yuet Lun Street *Time Period:* General holiday (includes Sundays) between 0000-2400 hours and any day not being a general holiday between 1900-0700 hours.	Valid
GW-RW0270-06	15/5/06	14/11/06	*Location:* Lai Po Road near Hoi Lai Estate *Time Period:* General holiday (includes Sundays) between 0000-2400 hours and any day not being a general holiday between 1900-0700 hours.	Valid
GW-RW0271-06	15/5/06	10/11/06	*Location:* Ching Cheung Road near Butterfly Valley Road *Time Period:* Any day not being a general holiday between 2100-2400 hours (immediately following a general holiday) and between 2100-0700 hours (not immediately following a general holiday).	Valid
GW-RW0276-06	15/5/06	11/11/06	*Location:* Butterfly Valley Road near Lai Chi Kok Interchange *Time Period:* Any day not being a general holiday between 2100-2400 hours (immediately following a general holiday) and between 2100-0700 hours (not immediately following a general holiday).	Valid
GW-RW0319-06	30/5/06	26/11/06	*Location:* Ching Cheung Road near Butterfly Valley Road *Time Period:* General holiday (includes Sundays) between 0000-2400 hours and any day not being a general holiday between 1900-0700 hours.	Valid

Permit No.	Valid Period		Details	Status
	From	To		
GW-RW0311-06	6/6/06	5/12/06	*Location:* Butterfly Valley near O Pui Shan Boys' Home *Time Period:* General holiday (including Sundays) between 0700-2300 hours and any day not being a general holiday between 1900-2300 hours.	Valid
GW-RW0381-06	17/7/06	16/12/06	*Location:* Kwai Chung Road near Lai Chi Kok Interchange *Time Period:* Any day not being a general holiday between 2100-2400 (immediately following a general holiday) and 2100-0700 (not immediately following a general holiday)	Valid (new)
GW-RW0383-06	20/7/06	2/8/06	*Location:* Butterfly Valley Road near Lai Chi Kok Reception Centre *Time Period:* Any not being a general holiday between 2100-2400 (Immediately following a general holiday) and 2100-0700 (not immediately following a general holiday)	Valid (new)
GW-RW0384-06	20/7/06	2/8/06	*Location:* Lai Po Road near Yuet Lun Street *Time Period:* Any day not being a general holiday between 2100-2400 (immediately following a general holiday) and 2100-0700 (not immediately following a general holiday)	Valid (new)
GW-RW0393-06	27/7/06	25/1/07	*Location:* Lai Wan Road *Time Period:* Any day not being a general holiday between 2100-2400 (immediately following a general holiday) and 2100-0700 (not immediately following a general holiday)	Valid (new)

4.6 During site inspections in the reporting month, no non-conformance was identified. The observations and recommendations are summarized in **Table 4.2**.

Table 4.2 Observations and Recommendations of Site Audits

Parameters	Date	Observations and Recommendations	Follow-up
Water Quality	3-Jul-06	Accumulation of stagnant water was observed after rains inside the works area such as at the area of Lai Po Road and C14. The Contractor was reminded to spray with larvicide or pump away the stagnant water to prevent mosquito from breeding.	The situation was found improved / rectified during the audit on 12-Ju1-06.
	3-Jul-06	The water pump connecting to Aquased idled at catchpit of Pier 17. The Contractor instructed a worker to switch on the water pump immediately. However, the Contractor was reminded to ensure that the water pump has been well maintained.	The situation was found improved / rectified during the audit on 12-Ju1-06.

Summary of Exceedances

1-hr and 24-hr TSP Monitoring

4.7 No Action/Limit Level exceedance was recorded in the reporting month.

Construction Noise Monitoring

4.8 No Action/Limit Level exceedance was recorded in the reporting month.

Implementation Status of Event Action Plans

4.9 The Event Action Plans for air quality and construction noise are presented in **Appendix J**.

Summary of Complaint and Prosecution

4.10 No complaint was received in the reporting month.

4.11 No prosecution was received in the reporting month.

4.12 There were 27 environmental complaints referred to the ET and 1 prosecution received since the commencement of the Project. The Complaint Log is attached in **Appendix M**.

5. FUTURE KEY ISSUES

Key Issues for the Coming Month

5.1 Key issues to be considered in the coming month include:

- Construction noise from excavation, construction of pump station, slope works and retaining wall at CCR-R1 to CCR-R6 and LCK-R2;
- Surface runoff generated at the areas CCR-S4, CCR-R3, CCR-R4 and CCR-R6;
- Dust generation from stockpiles of dusty materials, exposed retain wall and Bulk excavation works; and
- Stagnant water accumulated on site after heavy rainfall.

Monitoring Schedule for the Next Month

5.2 The tentative monitoring schedule for the next month is shown in **Appendix C**.

Construction Program for the Next Month

5.3 The major construction activities in the coming month include:

- Rock dowel installation at slope CCR-S1 & CCR-S4.
- Bulk excavation works at slope CCR-S4, CCR-R3, CCR-R4 and CCR-R6.
- Retaining wall construction at CCR-R1 to CCR-R6 and LCK-R2.
- Drainage works at Rest Garden area and Hoi Lai Estate.
- Offsite fabrication of parapet and noise barrier.
- Segment erection by launching gantry at pier P21 and Abutment M.
- Cast in-situ of slip roads C and D.
- Segment erection by lifting crane at pier C6.
- Parapet installation for Main Viaduct and slip roads A to D.
- Erection of noise barrier at slip roads A, C and D.
- Construction of Wai Man Tsuen pump house.

5.4 The tentative construction program for the Project is provided in **Appendix L**.

6. CONCLUSIONS AND RECOMMENDATIONS

Conclusions

6.1 Environmental monitoring works were performed in the reporting month and all monitoring results were checked and reviewed.

6.2 No Action/Limit Level exceedance for both 1-hour TSP and 24-hours TSP was recorded in the reporting month.

6.3 No Action/Limit Level exceedance for noise monitoring was recorded in the reporting month.

6.4 No complaint and prosecution was received in the reporting month.

Recommendations

6.5 According to the environmental audit performed in the reporting month, the following recommendations were made:

Water Impact

- To ensure properly maintenance for de-silting facilities
- To review and implement temporary drainage system for the upcoming wet season.
- To review the capacity of de-silting facilities for discharge.
- To avoid stagnant water accumulation on site.

Noise Impact

- To provide temporary noise barriers for noisy activities, such as breaking works.
- To review the works sequence of site activities so as to reduce the number of noisy equipment in concurrent operation.
- To employ quiet powered mechanical equipment if possible.
- To ensure compliance of CNP conditions during restricted-hour works.

Dust Impact

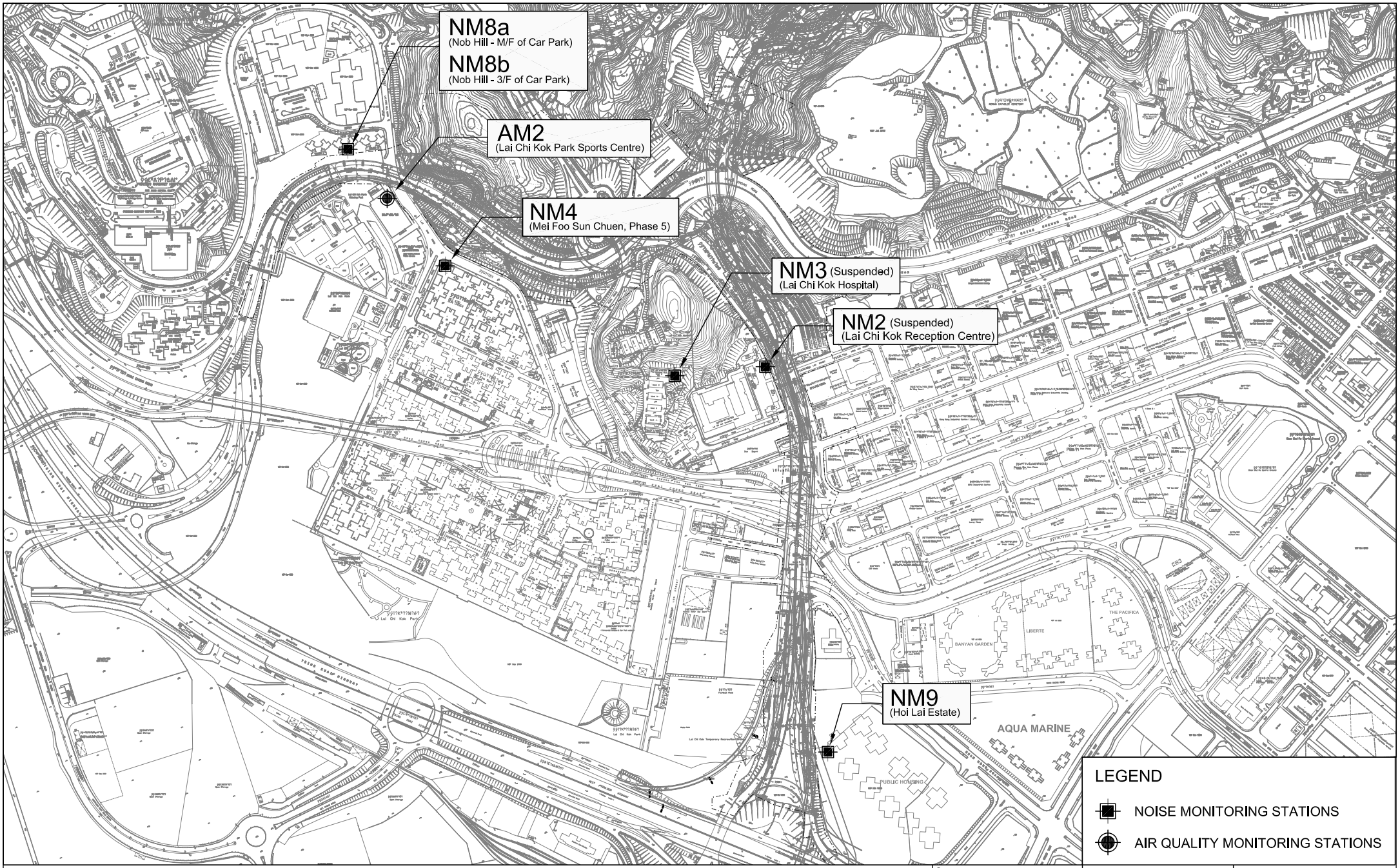
- To ensure water spray is applied for the dust emissive works, such as soil nail installation, loading and unloading of soil materials, excavation works.
- To cover soil stockpiles and exposed slope surface by impervious sheets or other means.
- To ensure that all vehicles carrying dusty material are properly covered before leaving the site.

Waste / Chemical Management

- To ensure the performance of sorting of C&D materials at source (during generation);
- To carry out inspection of dump truck at site exit to ensure inert and non-inert C&D materials are properly segregated before removing off site.
- To ensure proper collection and disposal of rubbish generated on site.

- To avoid any discharge or accidental spillage of chemical waste directly from the site.

FIGURES



Title

ROUTE 8 (PREVIOUSLY KNOWN AS ROUTE 9) BETWEEN CHEUNG SHA WAN AND SHA TIN
CONTRACT HY/2003/01 - LAI CHI KOK VIADUCT

LOCATIONS OF MONITORING STATIONS

Scale	Project No.
1 : 8000 (A4)	MA3024
Date	Figure No.
2006	1

CINOTECH consultants limited

F:\PROJECTS\MA3024\DRAWING\IMPACT\LCK\FIGURE 1_LAYOUT_2006.DWG

APPENDIX A
ACTION AND LIMIT LEVELS

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

(*) The Area Sensitivity Rating for the noise monitoring stations (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 B
COPIES OF CALIBRATION CERTIFCATES

High-Volume TSP Sampler
5-POINT CALIBRATION DATA SHEET

CINOTECH

File No. MA3024/20/0017

Station: Lai Chi Kok Sport Centre (AM2) | Operator: WK
Date: 24-May-06 | Next Due Date: 23-Jul-06
Equipment No.: A-01-20 | Serial No. 0818

Ambient Condition			
Temperature, Ta (K)	301.8	Pressure, Pa (mmHg)	761.7

Orifice Transfer Standard Information					
Equipment No.:	A-04-04	Slope, mc	0.0575	Intercept, bc	0.0395
Last Calibration Date:	13-Mar-06	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	12-Mar-07	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler

Calibration Point	Orfice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) **X - axis**	ΔW (HVS), in. of oil	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ **Y-axis**
1	12.6	3.53	60.72	8.3	2.87
2	10.5	3.22	55.37	6.9	2.61
3	8.2	2.85	48.85	5.4	2.31
4	5.4	2.31	39.52	3.7	1.91
5	3.2	1.78	30.26	2.1	1.44

By Linear Regression of Y on X

Slope , mw = 0.0462 **Intercept, bw =** 0.0586

Correlation coefficient* = 0.9996

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

$$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$$

Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ **4.23**

Remarks:

Conducted by: W.K. Tang Signature: Date: 24 May 06
Checked by: Signature: Date: 24 May 06

F:\Equipment\Calibration\HVS\A-01-20\20060524

High-Volume TSP Sampler
5-POINT CALIBRATION DATA SHEET

CINOTECH

File No. MA3024/20/0018

Station: Lai Chi Kok Sport Centre (AM2)
Operator: WK
Date: 20-Jul-06
Next Due Date: 19-Sep-06
Equipment No.: A-01-20
Serial No. 0818

Ambient Condition			
Temperature, Ta (K)	302.9	Pressure, Pa (mmHg)	757

Orifice Transfer Standard Information					
Equipment No.:	A-04-04	Slope, mc	0.0575	Intercept, bc	0.0395
Last Calibration Date:	13-Mar-06	**mc x Qstd + bc = $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$**			
Next Calibration Date:	12-Mar-07	**Qstd = $\{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc**			

Calibration of TSP Sampler

Calibration Point	Orfice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) **X - axis**	ΔW (HVS), in. of oil	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ **Y-axis**
1	11.7	3.39	58.20	8.3	2.85
2	10.6	3.22	55.36	6.9	2.60
3	8.0	2.80	48.01	5.1	2.24
4	6.4	2.50	42.87	3.5	1.85
5	3.2	1.77	30.11	1.7	1.29

By Linear Regression of Y on X

Slope , mw = 0.0551 **Intercept, bw :** -0.4174

Correlation coefficient* = 0.9948

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$

Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ **3.88**

Remarks:

Conducted by: Wk. Tang Signature: Kwan Date: 20/7/06
Checked by: H Signature: Date: 20 July 06

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TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
1602-1610 Delta House,
3 On Yiu Street,
Shatin, N.T.

ATTN: **Mr. Henry Leung**

Test Report No.:	C/06/60502
Date of Issue:	2006-05-02
Date Received:	2006-05-01
Date Tested:	2006-05-01
Date Completed:	2006-05-02
Page:	1 of 1

Certificate of Calibration

Item for calibration:

Description	: RS232 Integral Vane Digital Anemometer
Manufacturer	: AZ Instrument
Model No.	: 451104
Serial No.	: 9020746
Equipment No.	: A-03-01

Test conditions:

Room Temperature	: 21 degree Celsius
Relative Humidity	: 66%
Pressure	: 1018.4 kPa

Methodology:

The anemometer has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

Results:

	Reference Set Point	Instrument Readings
Measuring Air Velocity, m/s	2.00	2.00
Temperature, °C	21.0	21.0

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick.

PATRICK TSE
Laboratory Manager

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513.467.9009 FAX
WWW.TISCH-ENV.COM

AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Mar 13, 2006 Rootsmeter S/N 9833620 Ta (K) - 294
Operator Tisch Orifice I.D. - 0993 Pa (mm) - 746.76

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.3890	3.2	2.00
2	NA	NA	1.00	0.9850	6.3	4.00
3	NA	NA	1.00	0.8810	7.8	5.00
4	NA	NA	1.00	0.8410	8.6	5.50
5	NA	NA	1.00	0.6950	12.5	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
0.9917	0.7139	1.4113		0.9957	0.7168	0.8874
0.9876	1.0026	1.9959		0.9916	1.0067	1.2549
0.9854	1.1185	2.2315		0.9894	1.1231	1.4030
0.9844	1.1706	2.3405		0.9884	1.1753	1.4715
0.9792	1.4090	2.8227		0.9832	1.4147	1.7747
Qstd slope (m) =		2.03154		Qa slope (m) =		1.27212
intercept (b) =		-0.03970		intercept (b) =		-0.02496
coefficient (r) =		0.99999		coefficient (r) =		0.99999
y axis = SQRT[H2O(Pa/760)(298/Ta)]				y axis = SQRT[H2O(Ta/Pa)]		

CALCULATIONS

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

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

For subsequent flow rate calculations:

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

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513.467.9009 FAX
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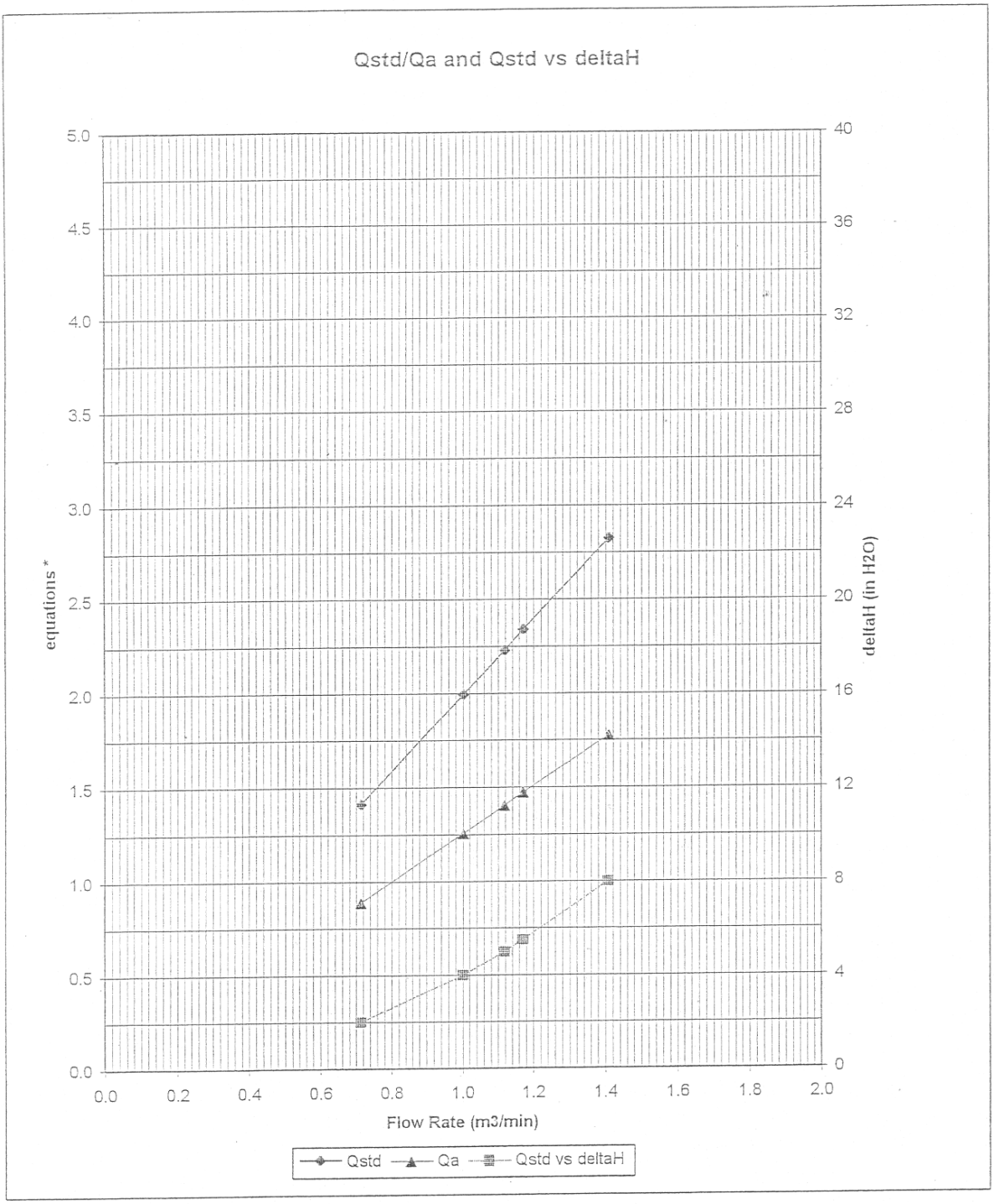
AIR POLLUTION MONITORING EQUIPMENT



* y-axis equations:

Qstd series: $\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$

Qa series: $\sqrt{(\Delta H\ (Ta\ /\ Pa))}$

#0993

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TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
1602-1610 Delta House,
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ATTN: **Mr. Henry Leung**

Test Report No.:	C/N/51216/1
Date of Issue:	2005-12-16
Date Received:	2005-12-15
Date Tested:	2005-12-15
Date Completed:	2005-12-16
Next Due Date:	2006-12-15
Page:	1 of 1

Certificate of Calibration

Item for calibration:

Description	: Integrating Sound Level Meter
Manufacturer	: Brüel & Kjær
Model No.	: B&K 2238
Serial No.	: 2337665
Microphone No.	: 2289749
Equipment No.	: N-01-01

Test conditions:

Room Temperatre	: 20 degree Celsius
Relative Humidity	: 63%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick

PATRICK TSE
Operation Manager

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TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
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ATTN: **Mr. Henry Leung**

Test Report No.:	C/N/51116/1
Date of Issue:	2005-11-16
Date Received:	2005-11-15
Date Tested:	2005-11-15
Date Completed:	2005-11-16
Next Due Date:	2006-11-15
Page:	1 of 1

Certificate of Calibration

Item for calibration:

Description	: Integrating Sound Level Meter
Manufacturer	: Brüel & Kjær
Model No.	: B&K 2238
Serial No.	: 2337666
Microphone No.	: 2289750
Equipment No.	: N-01-02

Test conditions:

Room Temperatre	: 20 degree Celsius
Relative Humidity	: 60%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick.

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Operation Manager

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TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
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ATTN: **Mr. Henry Leung**

Test Report No.:	C/N/50905-1
Date of Issue:	2005-09-06
Date Received:	2005-09-05
Date Tested:	2005-09-06
Date Completed:	2005-09-06
Next Due Date:	2006-09-05
Page:	1 of 1

Certificate of Calibration

Item for calibration:

Description	: Integrating Sound Level Meter
Manufacturer	: Brüel & Kjær
Model No.	: B&K 2238
Serial No.	: 2359311
Microphone No.	: 2346382
Equipment No.	: N-01-03

Test conditions:

Room Temperatre	: 22 degree Celsius
Relative Humidity	: 65%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

PREPARED AND CHECKED BY:
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APPLICANT: **Cinotech Consultants Limited**
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ATTN: **Mr. Henry Leung**

Test Report No.:	C/N/50905-2
Date of Issue:	2005-09-06
Date Received:	2005-09-05
Date Tested:	2005-09-05
Date Completed:	2005-09-06
Next Due Date:	2006-09-05
Page:	1 of 1

Certificate of Calibration

Item for calibration:

Description	: Integrating Sound Level Meter
Manufacturer	: Brüel & Kjær
Model No.	: B&K 2238
Serial No.	: 2359303
Equipment No.	: N-01-04

Test conditions:

Room Temperatre	: 21 degree Celsius
Relative Humidity	: 62%
Pressure	: 1006.5hPa

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

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TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
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3 On Yiu Street,
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ATTN: **Mr. Henry Leung**

Test Report No.:	C/N/51015/1
Date of Issue:	2005-10-15
Date Received:	2005-10-13
Date Tested:	2005-10-14
Date Completed:	2005-10-15
Next Due Date:	2006-10-14
Page:	1 of 1

Certificate of Calibration

Item for calibration:

Description	: Integrating Sound Level Meter
Manufacturer	: Brüel & Kjær
Model No.	: B&K 2238
Serial No.	: 2394976
Microphone No.	: 2407349
Equipment No.	: N-01-05

Test conditions:

Room Temperatre	: 22 degree Celsius
Relative Humidity	: 65%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

PREPARED AND CHECKED BY:
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TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
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Test Report No.:	C/05/1115-1
Date of Issue:	2005-11-15
Date Received:	2005-11-14
Date Tested:	2005-11-15
Date Completed:	2005-11-15
Next Due Date:	2006-11-14
Page:	1 of 1

ATTN: **Mr. Henry Leung**

Item for calibration:

Description	: Acoustical Calibrator
Manufacturer	: Brüel & Kjær
Model No.	: 4231
Serial No.	: 2326353
Project No.	: C13
Equipment No.	: N-02-01

Test conditions:

Room Temperatre	: 20 degree Celsius
Relative Humidity	: 65%
Pressure	: 1015.2 hPa

Methodology:

The sound calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

Results:

Sound Pressure Level	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.1 dB

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

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TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
1602-1610 Delta House,
3 On Yiu Street,
Shatin, N.T.

Test Report No.:	C/06/60304
Date of Issue:	2006-03-04
Date Received:	2006-03-03
Date Tested:	2006-03-03
Date Completed:	2006-03-04
Next Due Date:	2007-03-04
Page:	1 of 1

ATTN: **Mr. Henry Leung**

Item for calibration:

Description	: Acoustical Calibrator
Manufacturer	: Brüel & Kjær
Model No.	: 4231
Serial No.	: 2343007
Project No.	: C13
Equipment No.	: N-02-02

Test conditions:

Room Temperatre	: 20 degree Celsius
Relative Humidity	: 71%
Pressure	: 1020.1hPa

Methodology:

The sound calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

Results:

Sound Pressure Level	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.2 dB

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

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Operation Manager

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Shatin, Hong Kong.
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Fax: (852) 2898 7076

TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
1602-1610 Delta House,
3 On Yiu Street,
Shatin, N.T.

Test Report No.:	C/N/50905-1A
Date of Issue:	2005-09-06
Date Received:	2005-09-05
Date Tested:	2005-09-05
Date Completed:	2005-09-06
Next Due Date:	2006-09-05

ATTN: **Mr. Henry Leung**

Page: 1 of 1

Item for calibration:

Description	: Acoustical Calibrator
Manufacturer	: Brüel & Kjær
Model No.	: 4231
Serial No.	: 2412367
Equipment No.	: N-02-03

Test conditions:

Room Temperatre	: 21 degree Celsius
Relative Humidity	: 62%
Pressure	: 1006.5hPa

Methodology:

The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

Results:

Sound Pressure Level (1kHz)	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.1 dB
At 114 dB SPL	114.0	114.0 ± 0.1 dB

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick.

PATRICK TSE
Operation Manager

APPENDIX C
ENVIRONMENTAL MONITORING AND AUDIT SCHEDULE

Environmental Monitoring for Lai Chi Kok Viaduct
Tentative Air Quality and Noise Monitoring Schedule for July 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul
		1 hr TSP 24 hrs TSP	1 hr TSP	1 hr TSP Noise		
9-Jul	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul
	24 hrs TSP	1 hr TSP	1 hr TSP Noise	1 hr TSP		24 hrs TSP
16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul
	1 hr TSP	1 hr TSP Noise		1 hr TSP	24 hrs TSP	
23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul
	1 hr TSP	1 hr TSP Noise		24 hrs TSP	1 hr TSP	
30-Jul	31-Jul	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug
		1 hr TSP	1 hr TSP Noise 24 hrs TSP	1 hr TSP		

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

AM2	Lai Chi Kok Sports Centre
NM4	Mei Foo Sun Chuen, Phase 5
NM8a	M/F of Nob Hill
NM8b	3/F of Nob Hill
NM9	G/F, Hoi Fai House, Hoi Lai Estate

Environmental Monitoring for Lai Chi Kok Viaduct
Tentative Air Quality and Noise Monitoring Schedule for August 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30-Jul	31-Jul	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug
		1 hr TSP	1 hr TSP Noise 24 hrs TSP	1 hr TSP		
6-Aug	7-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug
		1 hr TSP 24 hrs TSP	1 hr TSP Noise	1 hr TSP		
13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug
	24 hrs TSP	1 hr TSP		1 hr TSP Noise	1 hr TSP	24 hrs TSP
20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug
	1 hr TSP	1 hr TSP Noise		1 hr TSP	24 hrs TSP	
27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	1-Sep	2-Sep
	1 hr TSP	1 hr TSP Noise		24 hrs TSP	1 hr TSP	

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

AM2	Lai Chi Kok Sports Centre
NM4	Mei Foo Sun Chuen, Phase 5
NM8a	M/F of Nob Hill
NM8b	3/F of Nob Hill
NM9	G/F, Hoi Fai House, Hoi Lai Estate

APPENDIX D
WIND DATA

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
1-Jul-2006	00:00	0.9	ENE
1-Jul-2006	01:00	1.3	ENE
1-Jul-2006	02:00	0.9	ENE
1-Jul-2006	03:00	0.9	E
1-Jul-2006	04:00	0.9	NE
1-Jul-2006	05:00	0.4	NNE
1-Jul-2006	06:00	0.4	E
1-Jul-2006	07:00	0	E
1-Jul-2006	08:00	0	E
1-Jul-2006	09:00	0	E
1-Jul-2006	10:00	0.4	SE
1-Jul-2006	11:00	0.4	E
1-Jul-2006	12:00	0.9	ENE
1-Jul-2006	13:00	0.9	ESE
1-Jul-2006	14:00	0.9	E
1-Jul-2006	15:00	1.3	SSE
1-Jul-2006	16:00	0.9	WSW
1-Jul-2006	17:00	0.4	SW
1-Jul-2006	18:00	0.4	WSW
1-Jul-2006	19:00	0.9	ENE
1-Jul-2006	20:00	0	SSW
1-Jul-2006	21:00	0	SSW
1-Jul-2006	22:00	0	---
1-Jul-2006	23:00	0	SSW
2-Jul-2006	00:00	0	SSW
2-Jul-2006	01:00	0	---
2-Jul-2006	02:00	0	---
2-Jul-2006	03:00	0	---
2-Jul-2006	04:00	0	SSW
2-Jul-2006	05:00	0.4	ENE
2-Jul-2006	06:00	0.4	ENE
2-Jul-2006	07:00	0.4	---
2-Jul-2006	08:00	0.4	ENE
2-Jul-2006	09:00	0.4	ENE
2-Jul-2006	10:00	0.4	WSW
2-Jul-2006	11:00	0.4	ENE
2-Jul-2006	12:00	0.4	WSW
2-Jul-2006	13:00	0.9	NE
2-Jul-2006	14:00	0.9	WSW
2-Jul-2006	15:00	0.9	SW
2-Jul-2006	16:00	0.4	SW
2-Jul-2006	17:00	0.4	S
2-Jul-2006	18:00	0.4	E
2-Jul-2006	19:00	0	ENE
2-Jul-2006	20:00	0	SE
2-Jul-2006	21:00	0	ESE
2-Jul-2006	22:00	0	NE
2-Jul-2006	23:00	0	---
3-Jul-2006	00:00	0	NE
3-Jul-2006	01:00	0	---
3-Jul-2006	02:00	0	---
3-Jul-2006	03:00	0	ENE
3-Jul-2006	04:00	0	E
3-Jul-2006	05:00	0	---

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
3-Jul-2006	06:00	0	---
3-Jul-2006	07:00	0	E
3-Jul-2006	08:00	0.4	ENE
3-Jul-2006	09:00	0	N
3-Jul-2006	10:00	0.9	NE
3-Jul-2006	11:00	0.4	SW
3-Jul-2006	12:00	0.4	SE
3-Jul-2006	13:00	0.4	S
3-Jul-2006	14:00	0.4	SW
3-Jul-2006	15:00	0.4	S
3-Jul-2006	16:00	0.4	WSW
3-Jul-2006	17:00	0.4	NE
3-Jul-2006	18:00	0	NE
3-Jul-2006	19:00	0.4	SW
3-Jul-2006	20:00	0	SW
3-Jul-2006	21:00	0	---
3-Jul-2006	22:00	0	SSE
3-Jul-2006	23:00	0	E
4-Jul-2006	00:00	0	SE
4-Jul-2006	01:00	0	---
4-Jul-2006	02:00	0	---
4-Jul-2006	03:00	0	---
4-Jul-2006	04:00	0	---
4-Jul-2006	05:00	0.4	---
4-Jul-2006	06:00	0.4	---
4-Jul-2006	07:00	0.4	---
4-Jul-2006	08:00	0.4	SE
4-Jul-2006	09:00	0.4	ESE
4-Jul-2006	10:00	0.4	SW
4-Jul-2006	11:00	0.4	SW
4-Jul-2006	12:00	0.9	SSW
4-Jul-2006	13:00	0.9	SW
4-Jul-2006	14:00	0.9	SW
4-Jul-2006	15:00	1.3	SW
4-Jul-2006	16:00	0.9	SW
4-Jul-2006	17:00	0.4	NE
4-Jul-2006	18:00	0.4	SSW
4-Jul-2006	19:00	0	WNW
4-Jul-2006	20:00	0	SW
4-Jul-2006	21:00	0	SW
4-Jul-2006	22:00	0	---
4-Jul-2006	23:00	0	SW
5-Jul-2006	00:00	0	E
5-Jul-2006	01:00	0	---
5-Jul-2006	02:00	0	---
5-Jul-2006	03:00	0	---
5-Jul-2006	04:00	0	E
5-Jul-2006	05:00	0	---
5-Jul-2006	06:00	0	E
5-Jul-2006	07:00	0	ENE
5-Jul-2006	08:00	0	---
5-Jul-2006	09:00	0	---
5-Jul-2006	10:00	0.9	N
5-Jul-2006	11:00	0.9	NE

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
5-Jul-2006	12:00	0.9	---
5-Jul-2006	13:00	0.9	SSW
5-Jul-2006	14:00	0.9	SW
5-Jul-2006	15:00	0.4	SW
5-Jul-2006	16:00	0.4	NNE
5-Jul-2006	17:00	0.4	N
5-Jul-2006	18:00	0.4	N
5-Jul-2006	19:00	0	WSW
5-Jul-2006	20:00	0	WSW
5-Jul-2006	21:00	0	WSW
5-Jul-2006	22:00	0	WSW
5-Jul-2006	23:00	0	SW
6-Jul-2006	00:00	0	---
6-Jul-2006	01:00	0	SW
6-Jul-2006	02:00	0	---
6-Jul-2006	03:00	0	SW
6-Jul-2006	04:00	0	SW
6-Jul-2006	05:00	0	---
6-Jul-2006	06:00	0	---
6-Jul-2006	07:00	0	SW
6-Jul-2006	08:00	0	---
6-Jul-2006	09:00	0	WSW
6-Jul-2006	10:00	0.9	WSW
6-Jul-2006	11:00	1.3	W
6-Jul-2006	12:00	1.3	WNW
6-Jul-2006	13:00	1.3	NNW
6-Jul-2006	14:00	0.9	WNW
6-Jul-2006	15:00	0.9	N
6-Jul-2006	16:00	0.4	N
6-Jul-2006	17:00	0	WSW
6-Jul-2006	18:00	0	W
6-Jul-2006	19:00	0.4	SW
6-Jul-2006	20:00	0.4	SW
6-Jul-2006	21:00	0.4	SW
6-Jul-2006	22:00	0.4	SW
6-Jul-2006	23:00	0.4	---
7-Jul-2006	00:00	0.4	---
7-Jul-2006	01:00	0.4	SW
7-Jul-2006	02:00	0	SW
7-Jul-2006	03:00	0	---
7-Jul-2006	04:00	0	---
7-Jul-2006	05:00	0	SW
7-Jul-2006	06:00	0	SW
7-Jul-2006	07:00	0	---
7-Jul-2006	08:00	0	SW
7-Jul-2006	09:00	0	SW
7-Jul-2006	10:00	0	SW
7-Jul-2006	11:00	0.4	WNW
7-Jul-2006	12:00	0	WNW
7-Jul-2006	13:00	0.4	WNW
7-Jul-2006	14:00	0.4	W
7-Jul-2006	15:00	1.3	ENE
7-Jul-2006	16:00	0	ENE
7-Jul-2006	17:00	0	ENE

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
7-Jul-2006	18:00	0	SW
7-Jul-2006	19:00	0	---
7-Jul-2006	20:00	0	SW
7-Jul-2006	21:00	0	ENE
7-Jul-2006	22:00	0	ENE
7-Jul-2006	23:00	0	---
8-Jul-2006	00:00	0	ENE
8-Jul-2006	01:00	0.4	SW
8-Jul-2006	02:00	0	NE
8-Jul-2006	03:00	0	ENE
8-Jul-2006	04:00	0.4	W
8-Jul-2006	05:00	0.4	SW
8-Jul-2006	06:00	0.4	SSW
8-Jul-2006	07:00	0.4	NE
8-Jul-2006	08:00	0.4	N
8-Jul-2006	09:00	0	SW
8-Jul-2006	10:00	0.4	ESE
8-Jul-2006	11:00	0.9	W
8-Jul-2006	12:00	0.9	SW
8-Jul-2006	13:00	0.9	W
8-Jul-2006	14:00	0.4	W
8-Jul-2006	15:00	0.4	W
8-Jul-2006	16:00	0.9	W
8-Jul-2006	17:00	0.9	N
8-Jul-2006	18:00	0.9	N
8-Jul-2006	19:00	0	NE
8-Jul-2006	20:00	0	ENE
8-Jul-2006	21:00	0	ENE
8-Jul-2006	22:00	0	ESE
8-Jul-2006	23:00	0	ESE
9-Jul-2006	00:00	0	SE
9-Jul-2006	01:00	0	SE
9-Jul-2006	02:00	0	SSE
9-Jul-2006	03:00	0	SSE
9-Jul-2006	04:00	0	SSE
9-Jul-2006	05:00	0.4	WSW
9-Jul-2006	06:00	0	W
9-Jul-2006	07:00	0	WNW
9-Jul-2006	08:00	0.4	WSW
9-Jul-2006	09:00	0.4	SSE
9-Jul-2006	10:00	0	SSE
9-Jul-2006	11:00	0.4	SSE
9-Jul-2006	12:00	0.4	ESE
9-Jul-2006	13:00	0.4	ESE
9-Jul-2006	14:00	0.4	SE
9-Jul-2006	15:00	0	SSE
9-Jul-2006	16:00	0	SSE
9-Jul-2006	17:00	0	NNE
9-Jul-2006	18:00	0	SW
9-Jul-2006	19:00	0	W
9-Jul-2006	20:00	0	---
9-Jul-2006	21:00	0	NE
9-Jul-2006	22:00	0	---
9-Jul-2006	23:00	0.4	ENE

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
10-Jul-2006	00:00	0.4	ENE
10-Jul-2006	01:00	0	ESE
10-Jul-2006	02:00	0.4	SW
10-Jul-2006	03:00	0.4	SE
10-Jul-2006	04:00	0.4	W
10-Jul-2006	05:00	0.4	N
10-Jul-2006	06:00	0.4	NE
10-Jul-2006	07:00	0.4	WNW
10-Jul-2006	08:00	0.4	NE
10-Jul-2006	09:00	0.4	SW
10-Jul-2006	10:00	0.4	SSW
10-Jul-2006	11:00	0.9	SW
10-Jul-2006	12:00	0.9	W
10-Jul-2006	13:00	1.3	NE
10-Jul-2006	14:00	0.9	WNW
10-Jul-2006	15:00	0.9	WNW
10-Jul-2006	16:00	0.9	WNW
10-Jul-2006	17:00	0.9	WNW
10-Jul-2006	18:00	0.4	ENE
10-Jul-2006	19:00	0	SE
10-Jul-2006	20:00	0	SE
10-Jul-2006	21:00	0	N
10-Jul-2006	22:00	0	ENE
10-Jul-2006	23:00	0	ENE
11-Jul-2006	00:00	0	N
11-Jul-2006	01:00	0	E
11-Jul-2006	02:00	0	NNE
11-Jul-2006	03:00	0	SE
11-Jul-2006	04:00	0	NNE
11-Jul-2006	05:00	0	E
11-Jul-2006	06:00	0	W
11-Jul-2006	07:00	0	NW
11-Jul-2006	08:00	0.4	NE
11-Jul-2006	09:00	0.4	NE
11-Jul-2006	10:00	0.9	ENE
11-Jul-2006	11:00	0.9	W
11-Jul-2006	12:00	0.9	SW
11-Jul-2006	13:00	0.9	NE
11-Jul-2006	14:00	0.9	SW
11-Jul-2006	15:00	0.4	W
11-Jul-2006	16:00	0.4	NE
11-Jul-2006	17:00	0.4	NE
11-Jul-2006	18:00	0	NE
11-Jul-2006	19:00	0	NE
11-Jul-2006	20:00	0	ESE
11-Jul-2006	21:00	0	ESE
11-Jul-2006	22:00	0	ESE
11-Jul-2006	23:00	0	SE
12-Jul-2006	00:00	0	SSE
12-Jul-2006	01:00	0	SSE
12-Jul-2006	02:00	0	---
12-Jul-2006	03:00	0	---
12-Jul-2006	04:00	0	---
12-Jul-2006	05:00	0	---

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
12-Jul-2006	06:00	0	---
12-Jul-2006	07:00	0	---
12-Jul-2006	08:00	0	SSE
12-Jul-2006	09:00	0.4	SSE
12-Jul-2006	10:00	0.4	SW
12-Jul-2006	11:00	0.4	SSW
12-Jul-2006	12:00	0.9	SW
12-Jul-2006	13:00	0.4	WSW
12-Jul-2006	14:00	0.9	SW
12-Jul-2006	15:00	0.4	SW
12-Jul-2006	16:00	0.9	SW
12-Jul-2006	17:00	0.4	SW
12-Jul-2006	18:00	0.4	SW
12-Jul-2006	19:00	0.4	NE
12-Jul-2006	20:00	0	ENE
12-Jul-2006	21:00	0	ENE
12-Jul-2006	22:00	0	SE
12-Jul-2006	23:00	0	E
13-Jul-2006	00:00	0	SSE
13-Jul-2006	01:00	0	SSE
13-Jul-2006	02:00	0	SSE
13-Jul-2006	03:00	0	SSE
13-Jul-2006	04:00	0	S
13-Jul-2006	05:00	0	S
13-Jul-2006	06:00	0.4	S
13-Jul-2006	07:00	0.4	S
13-Jul-2006	08:00	0.4	S
13-Jul-2006	09:00	0.4	ENE
13-Jul-2006	10:00	0.4	W
13-Jul-2006	11:00	0.4	SSW
13-Jul-2006	12:00	0.4	SW
13-Jul-2006	13:00	0.9	WSW
13-Jul-2006	14:00	0.9	WSW
13-Jul-2006	15:00	0.9	WSW
13-Jul-2006	16:00	0.9	WSW
13-Jul-2006	17:00	0.4	NE
13-Jul-2006	18:00	0.9	E
13-Jul-2006	19:00	0.4	ENE
13-Jul-2006	20:00	0	WSW
13-Jul-2006	21:00	0	ESE
13-Jul-2006	22:00	0	NE
13-Jul-2006	23:00	0	E
14-Jul-2006	00:00	0	SW
14-Jul-2006	01:00	0	SW
14-Jul-2006	02:00	0	SW
14-Jul-2006	03:00	0	SW
14-Jul-2006	04:00	0	---
14-Jul-2006	05:00	0	SW
14-Jul-2006	06:00	0	SW
14-Jul-2006	07:00	0	SW
14-Jul-2006	08:00	0.9	SW
14-Jul-2006	09:00	0.4	WSW
14-Jul-2006	10:00	0.4	SW
14-Jul-2006	11:00	1.3	SW

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
14-Jul-2006	12:00	1.8	SW
14-Jul-2006	13:00	1.3	SW
14-Jul-2006	14:00	0.9	W
14-Jul-2006	15:00	0.4	ESE
14-Jul-2006	16:00	0.4	N
14-Jul-2006	17:00	0.4	WSW
14-Jul-2006	18:00	0.4	NNW
14-Jul-2006	19:00	0.4	N
14-Jul-2006	20:00	0	NE
14-Jul-2006	21:00	0	SW
14-Jul-2006	22:00	0	S
14-Jul-2006	23:00	0	ESE
15-Jul-2006	00:00	0	ESE
15-Jul-2006	01:00	0	ESE
15-Jul-2006	02:00	0	---
15-Jul-2006	03:00	0	---
15-Jul-2006	04:00	0	ESE
15-Jul-2006	05:00	0.4	ESE
15-Jul-2006	06:00	0.4	---
15-Jul-2006	07:00	0.4	---
15-Jul-2006	08:00	0.4	---
15-Jul-2006	09:00	0	ENE
15-Jul-2006	10:00	0.4	SW
15-Jul-2006	11:00	0.9	N
15-Jul-2006	12:00	0.9	N
15-Jul-2006	13:00	0.9	W
15-Jul-2006	14:00	0.9	SW
15-Jul-2006	15:00	0.4	SW
15-Jul-2006	16:00	0.9	SW
15-Jul-2006	17:00	0.4	SW
15-Jul-2006	18:00	0.4	WNW
15-Jul-2006	19:00	0	WSW
15-Jul-2006	20:00	0.4	WSW
15-Jul-2006	21:00	0	E
15-Jul-2006	22:00	0	E
15-Jul-2006	23:00	0	E
16-Jul-2006	00:00	0	E
16-Jul-2006	01:00	0	E
16-Jul-2006	02:00	0	---
16-Jul-2006	03:00	0	---
16-Jul-2006	04:00	0	ESE
16-Jul-2006	05:00	0.4	ESE
16-Jul-2006	06:00	0.4	---
16-Jul-2006	07:00	0.4	---
16-Jul-2006	08:00	0.4	---
16-Jul-2006	09:00	0.4	ENE
16-Jul-2006	10:00	0.4	N
16-Jul-2006	11:00	0.4	SW
16-Jul-2006	12:00	0.9	WSW
16-Jul-2006	13:00	1.3	SSW
16-Jul-2006	14:00	0	NE
16-Jul-2006	15:00	0	NW
16-Jul-2006	16:00	0.4	N
16-Jul-2006	17:00	0.9	N

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
16-Jul-2006	18:00	0.4	WNW
16-Jul-2006	19:00	0	WNW
16-Jul-2006	20:00	0	W
16-Jul-2006	21:00	0	W
16-Jul-2006	22:00	0	W
16-Jul-2006	23:00	0	W
17-Jul-2006	00:00	0	---
17-Jul-2006	01:00	0	---
17-Jul-2006	02:00	0	W
17-Jul-2006	03:00	0	---
17-Jul-2006	04:00	0	---
17-Jul-2006	05:00	0	---
17-Jul-2006	06:00	0	W
17-Jul-2006	07:00	0	W
17-Jul-2006	08:00	0	W
17-Jul-2006	09:00	0.4	W
17-Jul-2006	10:00	0.4	SW
17-Jul-2006	11:00	1.3	WSW
17-Jul-2006	12:00	1.3	W
17-Jul-2006	13:00	1.3	WSW
17-Jul-2006	14:00	1.3	W
17-Jul-2006	15:00	1.8	WSW
17-Jul-2006	16:00	1.8	W
17-Jul-2006	17:00	0.9	WSW
17-Jul-2006	18:00	1.3	WSW
17-Jul-2006	19:00	0.4	WSW
17-Jul-2006	20:00	0.4	SW
17-Jul-2006	21:00	0.4	SW
17-Jul-2006	22:00	0	SW
17-Jul-2006	23:00	0	SW
18-Jul-2006	00:00	0	SW
18-Jul-2006	01:00	0	S
18-Jul-2006	02:00	0	---
18-Jul-2006	03:00	0	S
18-Jul-2006	04:00	0	---
18-Jul-2006	05:00	0	S
18-Jul-2006	06:00	0	S
18-Jul-2006	07:00	0	---
18-Jul-2006	08:00	0	S
18-Jul-2006	09:00	0.4	W
18-Jul-2006	10:00	1.3	W
18-Jul-2006	11:00	1.3	W
18-Jul-2006	12:00	1.3	W
18-Jul-2006	13:00	1.3	W
18-Jul-2006	14:00	2.7	WSW
18-Jul-2006	15:00	2.7	WSW
18-Jul-2006	16:00	2.2	WSW
18-Jul-2006	17:00	1.3	SW
18-Jul-2006	18:00	1.3	SW
18-Jul-2006	19:00	0.9	SW
18-Jul-2006	20:00	0.4	SW
18-Jul-2006	21:00	0	SSW
18-Jul-2006	22:00	0.4	SSW
18-Jul-2006	23:00	0	SSW

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
19-Jul-2006	00:00	0.4	S
19-Jul-2006	01:00	0.4	NE
19-Jul-2006	02:00	0.4	NE
19-Jul-2006	03:00	0.4	ENE
19-Jul-2006	04:00	0	ENE
19-Jul-2006	05:00	0.9	W
19-Jul-2006	06:00	0.4	WSW
19-Jul-2006	07:00	0.9	W
19-Jul-2006	08:00	1.3	W
19-Jul-2006	09:00	1.8	W
19-Jul-2006	10:00	2.2	W
19-Jul-2006	11:00	2.7	W
19-Jul-2006	12:00	3.6	W
19-Jul-2006	13:00	3.1	W
19-Jul-2006	14:00	2.7	W
19-Jul-2006	15:00	3.1	W
19-Jul-2006	16:00	2.7	NNW
19-Jul-2006	17:00	1.8	W
19-Jul-2006	18:00	0.4	WNW
19-Jul-2006	19:00	0.4	WNW
19-Jul-2006	20:00	0.9	WSW
19-Jul-2006	21:00	0	WSW
19-Jul-2006	22:00	0	WSW
19-Jul-2006	23:00	0	WSW
20-Jul-2006	00:00	0	---
20-Jul-2006	01:00	0	WSW
20-Jul-2006	02:00	0	WSW
20-Jul-2006	03:00	0	WSW
20-Jul-2006	04:00	0	WSW
20-Jul-2006	05:00	0	WSW
20-Jul-2006	06:00	0	WSW
20-Jul-2006	07:00	0	WSW
20-Jul-2006	08:00	0.4	SW
20-Jul-2006	09:00	1.3	WSW
20-Jul-2006	10:00	1.8	WSW
20-Jul-2006	11:00	2.2	WSW
20-Jul-2006	12:00	2.2	W
20-Jul-2006	13:00	1.8	WNW
20-Jul-2006	14:00	1.8	W
20-Jul-2006	15:00	2.2	WSW
20-Jul-2006	16:00	2.2	SW
20-Jul-2006	17:00	1.3	SSW
20-Jul-2006	18:00	0.4	W
20-Jul-2006	19:00	0.4	W
20-Jul-2006	20:00	0.4	SW
20-Jul-2006	21:00	1.8	SW
20-Jul-2006	22:00	0.9	SW
20-Jul-2006	23:00	1.8	SE
21-Jul-2006	00:00	0.4	ENE
21-Jul-2006	01:00	0	SSE
21-Jul-2006	02:00	0	SSE
21-Jul-2006	03:00	0	SW
21-Jul-2006	04:00	0	---
21-Jul-2006	05:00	0	---

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
21-Jul-2006	06:00	0	SW
21-Jul-2006	07:00	0	---
21-Jul-2006	08:00	0	SW
21-Jul-2006	09:00	0	SW
21-Jul-2006	10:00	0.4	SW
21-Jul-2006	11:00	0.9	SSW
21-Jul-2006	12:00	0.4	SSW
21-Jul-2006	13:00	0.9	WSW
21-Jul-2006	14:00	0.4	W
21-Jul-2006	15:00	0.4	SW
21-Jul-2006	16:00	0.4	SW
21-Jul-2006	17:00	0.9	SW
21-Jul-2006	18:00	0.4	N
21-Jul-2006	19:00	0	NE
21-Jul-2006	20:00	0	E
21-Jul-2006	21:00	0	E
21-Jul-2006	22:00	0	---
21-Jul-2006	23:00	0	---
22-Jul-2006	00:00	0	---
22-Jul-2006	01:00	0	E
22-Jul-2006	02:00	0	---
22-Jul-2006	03:00	0	---
22-Jul-2006	04:00	0	---
22-Jul-2006	05:00	0.4	E
22-Jul-2006	06:00	0.4	ENE
22-Jul-2006	07:00	1.3	N
22-Jul-2006	08:00	1.3	ENE
22-Jul-2006	09:00	0.4	ENE
22-Jul-2006	10:00	0.4	WSW
22-Jul-2006	11:00	0.4	WSW
22-Jul-2006	12:00	0.4	WSW
22-Jul-2006	13:00	0.4	WSW
22-Jul-2006	14:00	0.4	SSW
22-Jul-2006	15:00	0.9	SW
22-Jul-2006	16:00	0.4	SW
22-Jul-2006	17:00	0.4	NW
22-Jul-2006	18:00	0.4	SW
22-Jul-2006	19:00	0.4	SW
22-Jul-2006	20:00	0.4	---
22-Jul-2006	21:00	0.4	WSW
22-Jul-2006	22:00	0	WSW
22-Jul-2006	23:00	0	WSW
23-Jul-2006	00:00	0	WSW
23-Jul-2006	01:00	0	WSW
23-Jul-2006	02:00	0	WSW
23-Jul-2006	03:00	0	---
23-Jul-2006	04:00	0	---
23-Jul-2006	05:00	0	---
23-Jul-2006	06:00	0	WSW
23-Jul-2006	07:00	0	WSW
23-Jul-2006	08:00	0	---
23-Jul-2006	09:00	0	WSW
23-Jul-2006	10:00	0	NE
23-Jul-2006	11:00	0.4	ENE

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
23-Jul-2006	12:00	0.4	SW
23-Jul-2006	13:00	0.9	SW
23-Jul-2006	14:00	0.9	SW
23-Jul-2006	15:00	0.4	SW
23-Jul-2006	16:00	0.4	W
23-Jul-2006	17:00	0.4	W
23-Jul-2006	18:00	0.4	SW
23-Jul-2006	19:00	0.4	E
23-Jul-2006	20:00	0.4	E
23-Jul-2006	21:00	0.4	---
23-Jul-2006	22:00	0	---
23-Jul-2006	23:00	0	---
24-Jul-2006	00:00	0	---
24-Jul-2006	01:00	0	E
24-Jul-2006	02:00	0	E
24-Jul-2006	03:00	0	E
24-Jul-2006	04:00	0	E
24-Jul-2006	05:00	0	---
24-Jul-2006	06:00	0	---
24-Jul-2006	07:00	0	---
24-Jul-2006	08:00	0	---
24-Jul-2006	09:00	0	---
24-Jul-2006	10:00	0.4	NE
24-Jul-2006	11:00	0.4	N
24-Jul-2006	12:00	0.4	WSW
24-Jul-2006	13:00	0.4	SE
24-Jul-2006	14:00	0.4	N
24-Jul-2006	15:00	0.9	SW
24-Jul-2006	16:00	0.4	SW
24-Jul-2006	17:00	0.4	SSW
24-Jul-2006	18:00	0	WNW
24-Jul-2006	19:00	0	SW
24-Jul-2006	20:00	0	SSW
24-Jul-2006	21:00	0	SE
24-Jul-2006	22:00	0	---
24-Jul-2006	23:00	0	---
25-Jul-2006	00:00	0	---
25-Jul-2006	01:00	0	---
25-Jul-2006	02:00	0	SE
25-Jul-2006	03:00	0	SE
25-Jul-2006	04:00	0	---
25-Jul-2006	05:00	0	---
25-Jul-2006	06:00	0	SE
25-Jul-2006	07:00	0	SE
25-Jul-2006	08:00	0	---
25-Jul-2006	09:00	0.4	NNE
25-Jul-2006	10:00	0.4	NNE
25-Jul-2006	11:00	0.4	NNE
25-Jul-2006	12:00	0.9	N
25-Jul-2006	13:00	0.9	WSW
25-Jul-2006	14:00	0.4	SW
25-Jul-2006	15:00	0.4	WSW
25-Jul-2006	16:00	0.4	SW
25-Jul-2006	17:00	0.4	NW

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
25-Jul-2006	18:00	0.4	W
25-Jul-2006	19:00	0.4	SW
25-Jul-2006	20:00	0	S
25-Jul-2006	21:00	0	S
25-Jul-2006	22:00	0	---
25-Jul-2006	23:00	0	S
26-Jul-2006	00:00	1.368	WNW
26-Jul-2006	01:00	1.273	WNW
26-Jul-2006	02:00	1.615	W
26-Jul-2006	03:00	3.306	S
26-Jul-2006	04:00	0.247	SW
26-Jul-2006	05:00	0.418	W
26-Jul-2006	06:00	0.76	WSW
26-Jul-2006	07:00	1.273	W
26-Jul-2006	08:00	1.273	W
26-Jul-2006	09:00	1.102	SW
26-Jul-2006	10:00	1.368	WSW
26-Jul-2006	11:00	1.957	W
26-Jul-2006	12:00	2.033	WNW
26-Jul-2006	13:00	3.401	WNW
26-Jul-2006	14:00	2.033	SSW
26-Jul-2006	15:00	1.444	WSW
26-Jul-2006	16:00	2.375	W
26-Jul-2006	17:00	1.444	W
26-Jul-2006	18:00	1.444	WSW
26-Jul-2006	19:00	1.444	W
26-Jul-2006	20:00	1.368	W
26-Jul-2006	21:00	1.862	W
26-Jul-2006	22:00	1.691	W
26-Jul-2006	23:00	1.691	WSW
27-Jul-2006	00:00	1.691	WSW
27-Jul-2006	01:00	1.273	W
27-Jul-2006	02:00	1.273	SSW
27-Jul-2006	03:00	0.76	SW
27-Jul-2006	04:00	0.513	SW
27-Jul-2006	05:00	0.342	SW
27-Jul-2006	06:00	0.171	SW
27-Jul-2006	07:00	0.247	SW
27-Jul-2006	08:00	0.418	WNW
27-Jul-2006	09:00	0.855	WNW
27-Jul-2006	10:00	1.197	W
27-Jul-2006	11:00	0.855	SSW
27-Jul-2006	12:00	1.026	WNW
27-Jul-2006	13:00	1.026	ENE
27-Jul-2006	14:00	1.026	ENE
27-Jul-2006	15:00	1.026	ENE
27-Jul-2006	16:00	0.855	ENE
27-Jul-2006	17:00	1.444	ENE
27-Jul-2006	18:00	0.931	SSW
27-Jul-2006	19:00	0.418	S
27-Jul-2006	20:00	0.513	E
27-Jul-2006	21:00	0.589	E
27-Jul-2006	22:00	0.342	E
27-Jul-2006	23:00	1.273	ENE

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
28-Jul-2006	00:00	1.273	NE
28-Jul-2006	01:00	1.102	NE
28-Jul-2006	02:00	1.102	ENE
28-Jul-2006	03:00	0.855	NE
28-Jul-2006	04:00	1.102	ENE
28-Jul-2006	05:00	0.76	NE
28-Jul-2006	06:00	0.513	ENE
28-Jul-2006	07:00	0.513	ENE
28-Jul-2006	08:00	0.418	ENE
28-Jul-2006	09:00	0.513	ENE
28-Jul-2006	10:00	0.855	NNE
28-Jul-2006	11:00	0.76	NNE
28-Jul-2006	12:00	0.684	S
28-Jul-2006	13:00	2.128	WNW
28-Jul-2006	14:00	0.589	E
28-Jul-2006	15:00	0.418	NW
28-Jul-2006	16:00	0.418	WNW
28-Jul-2006	17:00	1.273	NNE
28-Jul-2006	18:00	1.026	N
28-Jul-2006	19:00	0.342	NNE
28-Jul-2006	20:00	0.589	NE
28-Jul-2006	21:00	1.026	N
28-Jul-2006	22:00	0.76	N
28-Jul-2006	23:00	0.931	NNE
29-Jul-2006	00:00	1.102	N
29-Jul-2006	01:00	1.444	N
29-Jul-2006	02:00	1.691	N
29-Jul-2006	03:00	2.717	N
29-Jul-2006	04:00	0.855	SSE
29-Jul-2006	05:00	0.855	SSE
29-Jul-2006	06:00	0.931	SSW
29-Jul-2006	07:00	0.342	SW
29-Jul-2006	08:00	0.513	WSW
29-Jul-2006	09:00	0.342	WSW
29-Jul-2006	10:00	2.47	ENE
29-Jul-2006	11:00	0.931	ENE
29-Jul-2006	12:00	0.247	E
29-Jul-2006	13:00	0.342	E
29-Jul-2006	14:00	0.342	SW
29-Jul-2006	15:00	1.026	N
29-Jul-2006	16:00	0.855	NNE
29-Jul-2006	17:00	0.418	SSW
29-Jul-2006	18:00	0.342	WNW
29-Jul-2006	19:00	0.589	W
29-Jul-2006	20:00	0.513	SSW
29-Jul-2006	21:00	1.026	W
29-Jul-2006	22:00	1.615	WNW
29-Jul-2006	23:00	1.026	W
30-Jul-2006	00:00	0.931	WSW
30-Jul-2006	01:00	1.026	SSW
30-Jul-2006	02:00	0.684	SW
30-Jul-2006	03:00	0.589	SW
30-Jul-2006	04:00	0.684	SSW
30-Jul-2006	05:00	0.684	W

Appendix D - Wind Data

Date	Time	Wind Speed m/s	Direction
30-Jul-2006	06:00	0.418	WNW
30-Jul-2006	07:00	0.513	S
30-Jul-2006	08:00	0.855	WSW
30-Jul-2006	09:00	1.273	WSW
30-Jul-2006	10:00	1.197	W
30-Jul-2006	11:00	0.931	W
30-Jul-2006	12:00	1.273	WSW
30-Jul-2006	13:00	1.102	WSW
30-Jul-2006	14:00	1.102	WSW
30-Jul-2006	15:00	1.197	W
30-Jul-2006	16:00	1.197	W
30-Jul-2006	17:00	0.931	W
30-Jul-2006	18:00	0.855	W
30-Jul-2006	19:00	1.026	W
30-Jul-2006	20:00	0.855	W
30-Jul-2006	21:00	0.684	W
30-Jul-2006	22:00	0.855	WSW
30-Jul-2006	23:00	0.589	W
31-Jul-2006	00:00	0.342	W
31-Jul-2006	01:00	0.342	SW
31-Jul-2006	02:00	0.342	SW
31-Jul-2006	03:00	0.418	SSE
31-Jul-2006	04:00	0.418	SSE
31-Jul-2006	05:00	0.418	---
31-Jul-2006	06:00	0.418	WSW
31-Jul-2006	07:00	0.418	WSW
31-Jul-2006	08:00	0.418	WNW
31-Jul-2006	09:00	0.684	WNW
31-Jul-2006	10:00	1.197	WNW
31-Jul-2006	11:00	1.273	W
31-Jul-2006	12:00	1.026	WNW
31-Jul-2006	13:00	0.855	WNW
31-Jul-2006	14:00	0.855	N
31-Jul-2006	15:00	0.931	N
31-Jul-2006	16:00	0.931	NNE
31-Jul-2006	17:00	0.855	NNE
31-Jul-2006	18:00	0.855	ENE
31-Jul-2006	19:00	0.684	ENE
31-Jul-2006	20:00	0.684	ENE
31-Jul-2006	21:00	0.589	E
31-Jul-2006	22:00	0.171	E
31-Jul-2006	23:00	0.076	E

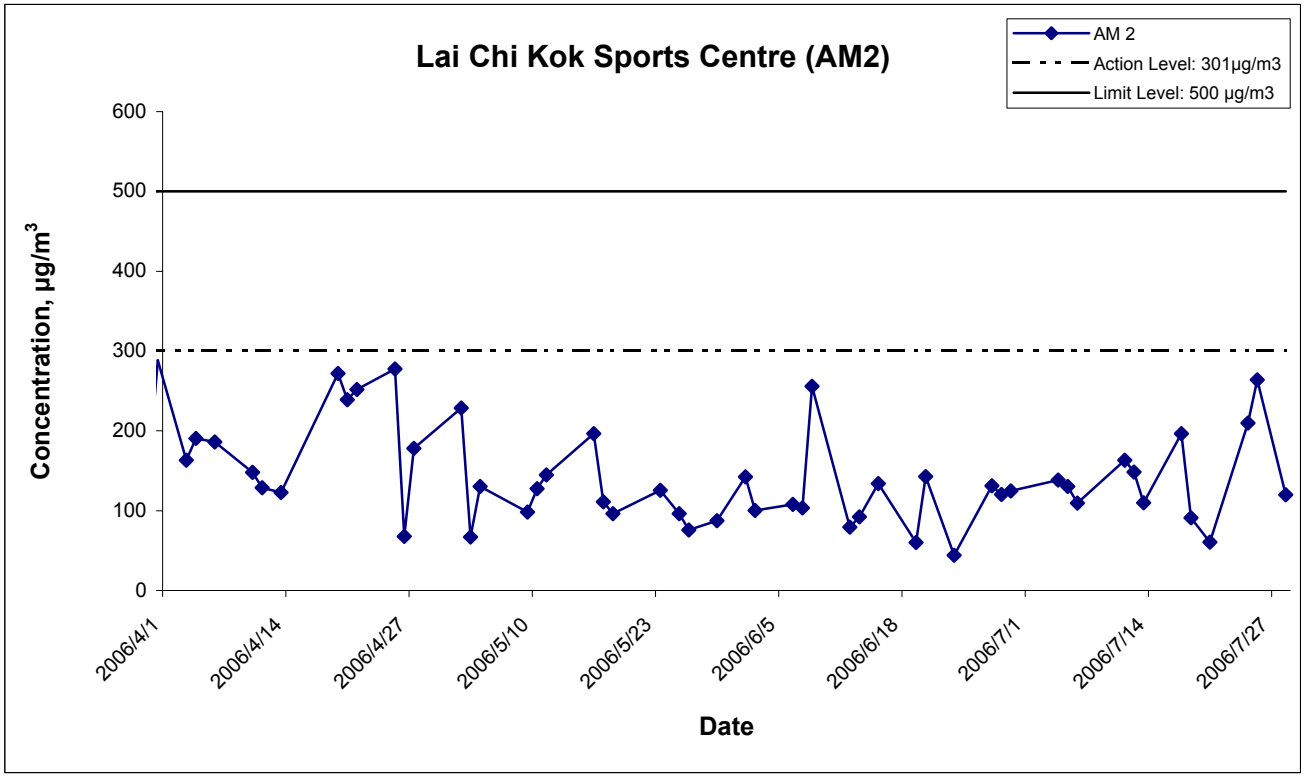
APPENDIX E
1-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix E - 1-hour TSP Monitoring Results

Location AM 2 - Lai Chi Kok Sports Centre

Date	Weather Condition	Filter Weight (g)		Flow Rate (m^3/min.)		Elapse Time		Air Temp. (K)	Atmospheric Pressure(Pa)	Particulate weight(g)	Av. flow (m^3/min)	Total vol. (m^3)	Sampling Time(hrs.)	Conc. ($\mu g/m^3$)
		Initial	Final	Initial	Final	Initial	Final							
4-Jul-06	Cloudy	2.8525	2.8625	1.21	1.21	4472.1	4473.1	303.3	755.6	0.0100	1.21	72.3	1.0	138.3
5-Jul-06	Cloudy	2.8325	2.8419	1.20	1.20	4497.1	4498.1	305.5	755.6	0.0094	1.20	72.0	1.0	130.5
6-Jul-06	Cloudy	2.8483	2.8562	1.20	1.20	4498.1	4499.1	303.4	754.8	0.0079	1.20	72.2	1.0	109.4
11-Jul-06	Sunny	2.9132	2.9250	1.20	1.20	4523.1	4524.1	302.5	753.9	0.0118	1.20	72.3	1.0	163.2
12-Jul-06	Sunny	2.8499	2.8606	1.20	1.20	4524.1	4525.1	303.6	753.6	0.0107	1.20	72.2	1.0	148.3
13-Jul-06	Sunny	2.8950	2.9029	1.20	1.20	4525.1	4526.1	303.6	750.3	0.0079	1.20	72.0	1.0	109.7
17-Jul-06	Sunny	2.8972	2.9114	1.20	1.20	4550.1	4551.1	303.1	753.9	0.0142	1.20	72.2	1.0	196.6
18-Jul-06	Sunny	2.8615	2.8681	1.21	1.21	4551.1	4552.1	303.1	757.8	0.0066	1.21	72.4	1.0	91.1
20-Jul-06	Sunny	2.8471	2.8515	1.21	1.21	4552.1	4553.1	302.5	757.4	0.0044	1.21	72.5	1.0	60.7
24-Jul-06	Sunny	2.8492	2.8645	1.21	1.21	4577.1	4578.1	304.1	754.2	0.0153	1.21	72.9	1.0	209.9
25-Jul-06	Sunny	2.8544	2.8736	1.21	1.21	4578.1	4579.1	304.9	751.7	0.0192	1.21	72.7	1.0	264.1
28-Jul-06	Cloudy	2.8522	2.8610	1.22	1.22	4603.1	4604.1	299.1	753.4	0.0088	1.22	73.3	1.0	120.0
													Min	60.7
													Max	264.1
													Average	145.2

1-hr TSP Levels



Title Route 8 (previously known as Route 9) between Cheung Sha Wan & Sha Tin Contract HY/2003/01 - Lai Chi Kok Viaduct Graphical Presentation of 1-hour TSP Impact Monitoring Results	Scale N.T.S Date Jul 06	Project No. MA3024 Appendix E	CINOTECH

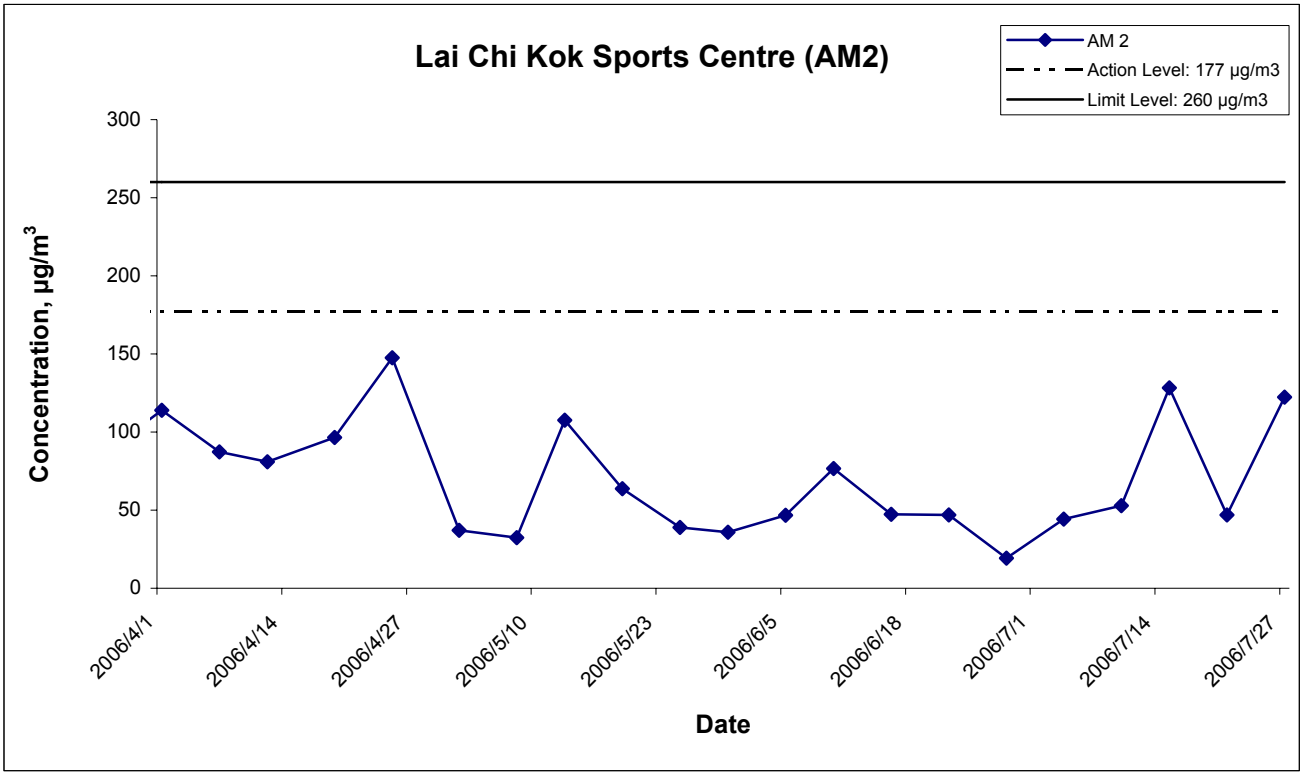
APPENDIX F
24-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix F - 24-hour TSP Monitoring Results

Location AM 2 - Lai Chi Kok Sports Centre

Date	Weather Condition	Filter Weight (g)		Flow Rate (m^3/min.)		Elapse Time		Air Temp. (K)	Atmospheric Pressure(Pa)	Particulate weight(g)	Av. flow (m^3/min)	Total vol. (m^3)	Sampling Time(hrs.)	Conc. ($\mu g/m^3$)
		Initial	Final	Initial	Final	Initial	Final							
4-Jul-06	Cloudy	2.8507	2.9275	1.20	1.20	4473.1	4497.1	303.5	755.4	0.0768	1.20	1734.2	24.0	44.3
10-Jul-06	Sunny	2.8498	2.9414	1.20	1.20	4499.1	4523.1	302.8	752.4	0.0916	1.20	1732.7	24.0	52.9
15-Jul-06	Sunny	2.8696	3.0916	1.20	1.20	4526.1	4550.1	302.0	749.3	0.2220	1.20	1731.3	24.0	128.2
21-Jul-06	Sunny	2.8760	2.9583	1.22	1.22	4553.1	4577.1	303.4	756.2	0.0823	1.22	1752.6	24.0	47.0
27-Jul-06	Cloudy	2.8666	3.0818	1.22	1.22	4579.1	4603.1	299.1	753.3	0.2152	1.22	1760.2	24.0	122.3
													Min	44.3
													Max	128.2
													Average	78.9

24-hr TSP Levels



Title: Route 8 (previously known as Route 9) between Cheung Sha Wan & Sha Tin Contract HY/2003/01 - Lai Chi Kok Viaduct Graphical Presentation of 24-hour TSP Impact Monitoring Results	Scale: N.T.S Date: Jul 06	Project No.: MA3024 Appendix: F	CINOTECH

APPENDIX G
NOISE MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix G - Noise Monitoring Results

Location NM4 - Mei Foo Sun Chuen, Phase 5								
Date	Time	Weather	Unit: dB (A) (30-min)					Remarks
			Measured Noise Level			Baseline Level	Construction Noise Level	
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}	
6-Jul-06	10:00	Fine	75.2	77.0	72.0	73.8	71.5	Road traffic noise from Ching Cheung Road was identified as the major noise source.
12-Jul-06	10:00	Sunny	75.6	77.5	71.5		70.9	
18-Jul-06	10:00	Sunny	75.7	77.5	70.0		71.2	
25-Jul-06	14:00	Sunny	74.3	78.0	70.5		64.7	

Location NM8a - M/F of Nob Hill						
Date	Time	Weather	Unit: dB (A) (30-min)			Remarks
			L_{eq}	L_{10}	L_{90}	
6-Jul-06	13:00	Fine	73.8	75.5	70.0	Road traffic noise from Ching Cheung Road was identified as the major noise source.
12-Jul-06	13:00	Sunny	74.4	77.0	70.5	
18-Jul-06	10:45	Sunny	73.3	75.5	67.5	
25-Jul-06	13:00	Sunny	74.7	77.5	70.5	

Location NM8b - 3/F of Nob Hill						
Date	Time	Weather	Unit: dB (A) (30-min)			Remarks
			L_{eq}	L_{10}	L_{90}	
6-Jul-06	13:45	Fine	75.4	77.5	70.5	This Station (NM8b) which is strongly influenced by road traffic noise from Ching Cheung Road. The measurement at this station is for reference purpose, but not for compliance check for construction noise.
12-Jul-06	13:45	Sunny	76.0	77.5	72.0	
18-Jul-06	11:25	Sunny	76.2	78.5	71.5	
25-Jul-06	11:30	Sunny	76.3	78.0	71.5	

Location NM9 - Hoi Lai Estate						
Date	Time	Weather	Unit: dB (A) (30-min)			Remarks
			L_{eq}	L_{10}	L_{90}	
6-Jul-06	14:30	Fine	72.8	75.5	68.5	-
12-Jul-06	14:30	Sunny	72.2	75.5	68.0	
18-Jul-06	14:00	Sunny	73.0	75.0	68.5	
25-Jul-06	10:30	Sunny	71.9	73.5	67.5	

Construction Noise Level (Leq) = Measured Noise Level (Leq) - Baseline Noise Level (Leq)

*Bolded value indicated limit level exceedance

Appendix G - Noise Monitoring Results

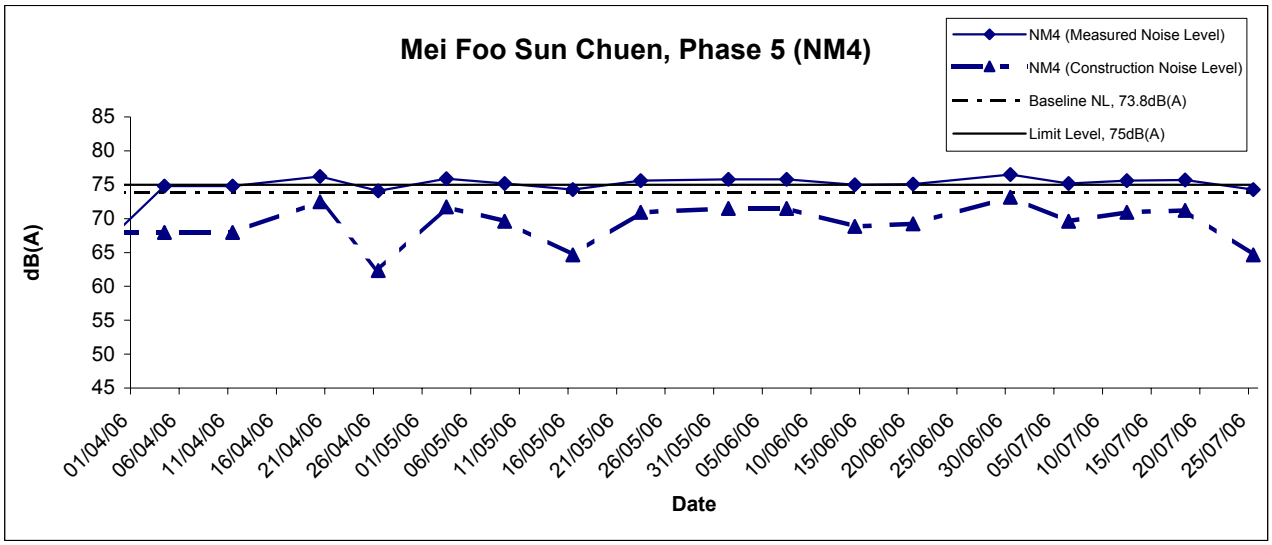
Restricted Hours - 19:00 to 23:00 on normal weekdays

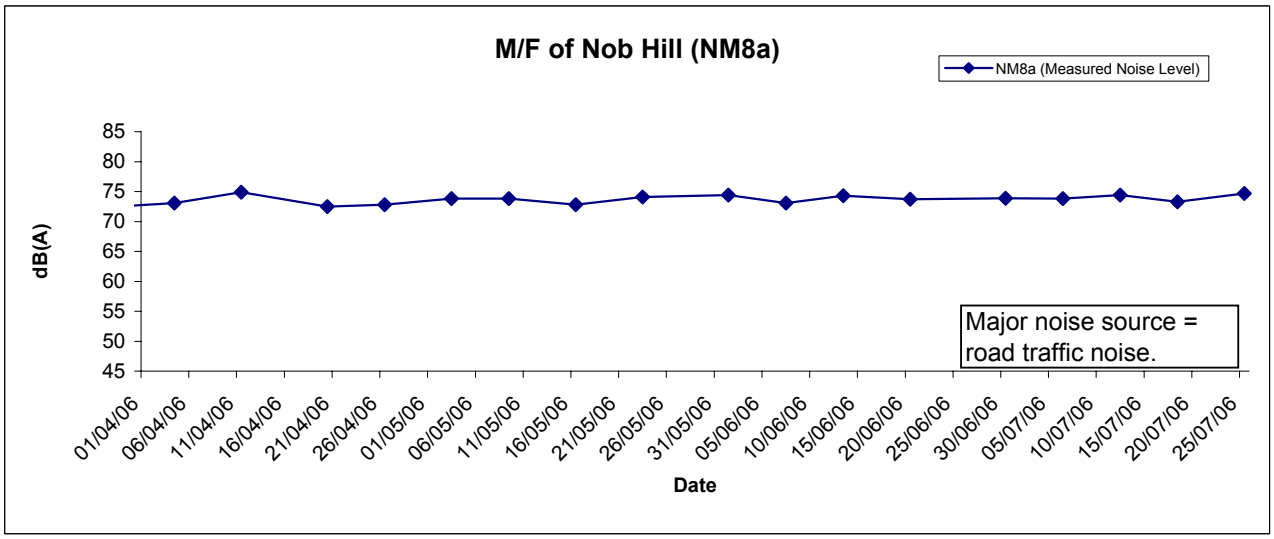
Location NM9 - Hoi Lai Estate						
Date	Time	Weather	dB (A) (5-min)			
			L_{eq}	L_{10}	L_{90}	Average L_{eq}
7-Jul-06	19:10	Cloudy	63.6	66.5	60.0	63.8
	19:15		64.0	67.0	61.5	
	19:20		63.7	67.0	61.0	
14-Jul-06	19:15	Cloudy	63.3	67.0	605.0	63.5
	19:20		63.6	67.5	61.0	
	19:25		63.5	67.0	60.5	
18-Jul-06	19:05	Cloudy	64.0	67.5	61.0	63.8
	19:10		63.7	67.0	61.5	
	19:15		63.6	66.5	61.0	
25-Jul-06	19:10	Cloudy	63.5	67.0	61.5	63.7
	19:15		63.6	67.0	62.0	
	19:20		64.0	67.5	61.0	

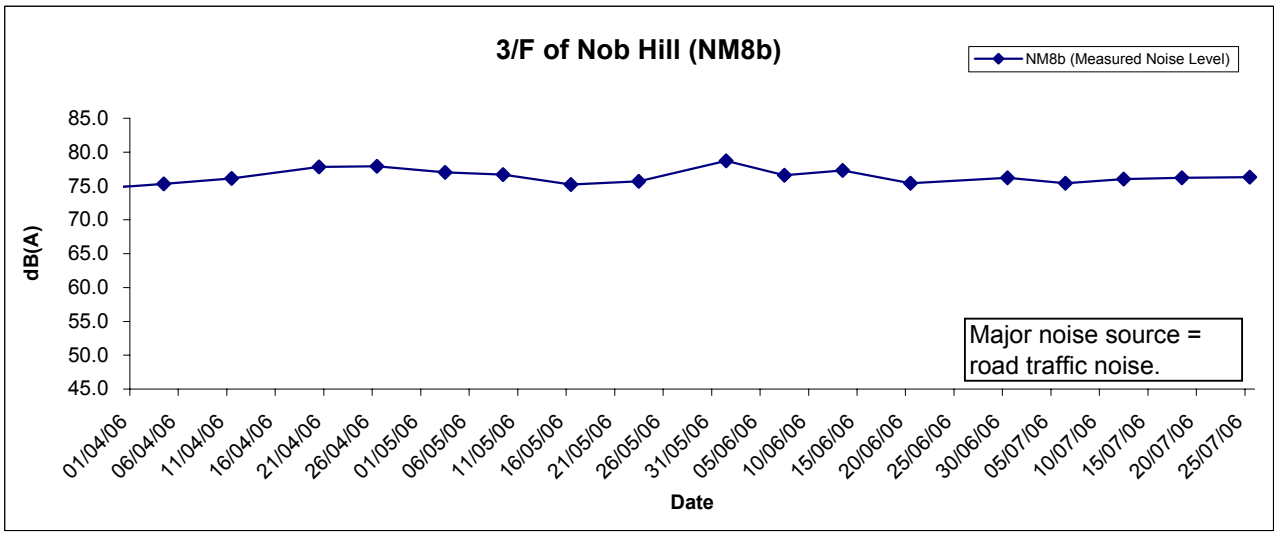
Construction Noise Level (Leq) = Measured Noise Level (Leq) - Baseline Noise Level (Leq)

*Bolded value indicated limit level exceedance

Noise Levels



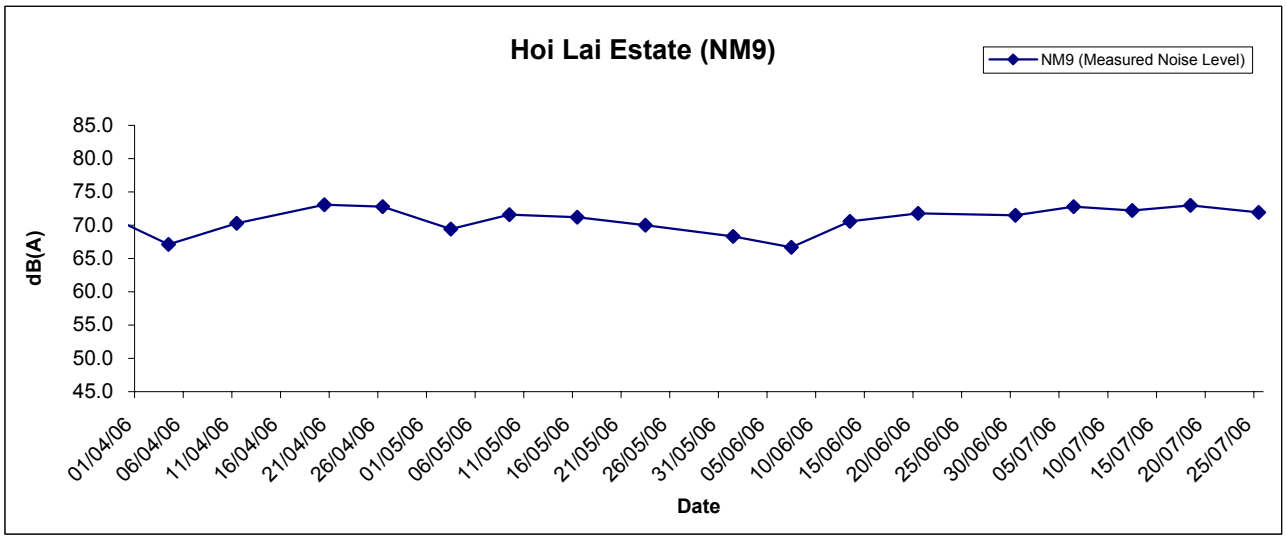




* Construction Noise Level = Measured Noise Level - Baseline Level
(If the measured noise level is lower than the baseline level, the construction noise level will be taken as the meaured one)

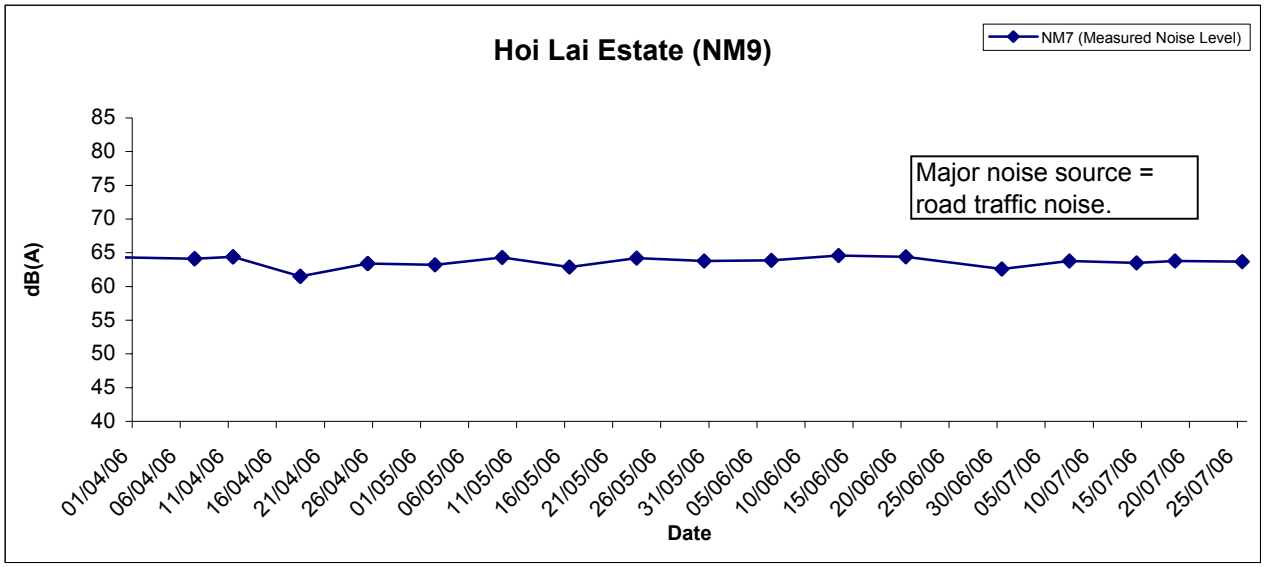
Title: Route 8 (previously known as Route 9) between Cheung Sha Wan and Sha Tin Contract HY/2003/01 - Lai Chi Kok Viaduct Graphical Presentation of Construction Noise Monitoring Results	Scale: N.T.S	Project No.: MA3024	CINOTECH
	Date: Jul 06	Appendix: G	

Noise Levels



Title: Route 8 (previously known as Route 9) between Cheung Sha Wan and Sha Tin Contract HY/2003/01 - Lai Chi Kok Viaduct Graphical Presentation of Construction Noise Monitoring Results	Scale: N.T.S Date: Jul 06	Project No.: MA3024 Appendix: G	CINOTECH

Restricted Hours (19:00 to 23:00) - Noise Levels



Title: Route 8 (previously known as Route 9) between Cheung Sha Wan and Sha Tin Contract HY/2003/01 - Lai Chi Kok Viaduct Graphical Presentation of Construction Noise Monitoring Results	Scale: N.T.S Date: Jul 06	Project No.: MA3024 Appendix: G	CINOTECH

APPENDIX H
SUMMARY OF EXCEEDANCE

Summary of Exceedances Recorded in the Reporting Month

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

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

c) Exceedance Report for Construction Noise

- No Action Level exceedance was recorded in the reporting month.
- No Limit Level exceedance was recorded in the reporting month.

APPENDIX I
SITE AUDIT SUMMARY

Weekly Site Inspection Record Summary

Inspection Information

Checklist Reference Number	60703-LCKV
Date	3 July 2006 (Mon)
Time	9:30-11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
60703L-1R	***A. Water Quality*** • Accummulation of stagnant water was observed after rains inside the works area such as at the area of Lai Po Road and C14. The Contractor was reminded to spray with larvicide or pump away the stagnant water to prevent mosquito from breeding.	B14
60703L-2O	• The water pump connecting to Aquased idled at catchpit of Pier 17. The Contractor instructed a worker to switch on the water pump immediately. However, the Contractor was reminded to ensure that the water pump has been well maintained.	B7i
	B. Air Quality • No environmental deficiency was identified during the site inspection.	
	C. Noise • No environmental deficiency was identified during the site inspection.	
	D. Waste / Chemical Management • No environmental deficiency was identified during the site inspection.	
	E. Permit / Licenses • No environmental deficiency was identified during the site inspection.	
	F. Others • The environmental deficiency identified in last audit (ref. 60628-LCKV) 28 June 2006, was rectified/improved by the Contractor.	

	Name	Signature	Date
Recorded by	Attle Hui		3 July 2006
Checked by	Kenneth Lam		3 July 2006

Weekly Site Inspection Record Summary

Inspection Information

Checklist Reference Number	60712-LCKV
Date	12 July 2006 (Wed)
Time	1330 – 1600

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	A. Water Quality • No environmental deficiency was identified during the site inspection. ***B. Air Quality*** • No environmental deficiency was identified during the site inspection. ***C. Noise*** • No environmental deficiency was identified during the site inspection. ***D. Waste / Chemical Management*** • No environmental deficiency was identified during the site inspection. ***E. Permit / Licenses*** • No environmental deficiency was identified during the site inspection. ***F. Others*** • The environmental deficiency identified in last audit (ref. 60703-LCKV) 03 July 2006, was rectified/improed by the Contractor.	

	Name	Signature	Date
Recorded by	Tommy Ho		12 July 2006
Checked by	Attle Hui		12 July 2006

Weekly Site Inspection Record Summary

Inspection Information

Checklist Reference Number	60719-LCKV
Date	19 July 2006 (Wed)
Time	13:30-15:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	A. Water Quality • No environmental deficiency was identified during the site inspection. ***B. Air Quality*** • No environmental deficiency was identified during the site inspection. ***C. Noise*** • No environmental deficiency was identified during the site inspection. ***D. Waste / Chemical Management*** • No environmental deficiency was identified during the site inspection. ***E. Permit / Licenses*** • No environmental deficiency was identified during the site inspection. ***F. Others*** • No environmental deficiency was identified in last audit (ref. 60712-LCKV) 12 July 2006	

	Name	Signature	Date
Recorded by	Tommy Ho		19 July 2006
Checked by	Attle Hui		19 July 2006

Weekly Site Inspection Record Summary

Inspection Information

Checklist Reference Number	60726-LCKV
Date	26 July 2006 (Wed)
Time	13:30-15:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	A. Water Quality • No environmental deficiency was identified during the site inspection. ***B. Air Quality*** • No environmental deficiency was identified during the site inspection. ***C. Noise*** • No environmental deficiency was identified during the site inspection. ***D. Waste / Chemical Management*** • No environmental deficiency was identified during the site inspection. ***E. Permit / Licenses*** • No environmental deficiency was identified during the site inspection. ***F. Others*** • No environmental deficiency was identified in last audit (ref. 60719-LCKV) 19 July 2006	

	Name	Signature	Date
Recorded by	Tommy Ho		26 July 2006
Checked by	Attle Hui		26 July 2006

APPENDIX J
EVENT ACTION PLANS

Appendix J - Event Action Plans

Event/Action Plan for Air Quality

EVENT	ACTION			
	ET	IEC	ER	Contractor
ACTION LEVEL				
1. Exceedance for one sample	1. Identify source 2. Inform ER & IEC 3. Repeat measurement to confirm finding 4. Increase monitoring frequency to daily	1. Check monitoring data submitted by ET 2. Check Contractor's working methods	1. Notify Contractor 2. Check monitoring data and Contractor's working methods	1. Rectify any unacceptable practice 2. Amend working methods if appropriate
2. Exceedance for two or more consecutive samples	1. Identify source 2. Inform ER & IEC 3. Repeat measurement to confirm findings 4. Increase monitoring frequency to daily 5. Discuss with ER & for remedial actions required 6. If exceedance continues, arrange meeting with ER & IEC 7. If exceedance stops, cease additional monitoring	1. Checking monitoring data submitted by ET 2. Check Contractor's working methods 3. Discuss with ET and Contractor on possible remedial measure 4. Advise the ER & ET on the effectiveness of the proposed remedial measures 5. Supervise the implementation of the remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify Contractor 3. Check Contractor's working methods 4. Discuss with ET, IEC and Contractor on proposed remedial actions 5. Ensure remedial actions properly implemented	1. Submit proposals for remedial actions to ER within 3 working days of notification 2. Implement the agreed proposals 3. Amend proposal if appropriate
LIMIT LEVEL				
1. Exceedance for one sample	1. Identify source 2. Inform ER & IEC and EPD 3. Repeat measurement to confirm finding 4. Increase monitoring frequency to daily 5. Assess effectiveness of Contractor's	1. Checking monitoring data submitted by ET 2. Check Contractor's working methods 3. Discuss with ET and Contractor on possible remedial measure	1. Confirm receipt of notification of failure in writing 2. Notify Contractor 3. Check Contractor's working methods 4. Discuss with ET, IEC and Contractor on	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to ER within 3 working days of notification

EVENT	ACTION			
	ET	IEC	ER	Contractor
	remedial actions and keep EPD and ER & IEC informed of the results	4. Advise the ER & ET on the effectiveness of the proposed remedial measures 5. Supervise the implementation of the remedial measures	proposed remedial actions 5. Ensure remedial actions properly implemented	3. Implement the agreed proposals 4. Amend proposal if appropriate
2. Exceedance for two or more consecutive samples	1. Identify source 2. Inform ER, IEC, Contractor and EPD the cause & actions taken for the exceedances 3. Repeat measurement to confirm findings 4. Increase monitoring frequency to daily 5. Investigate the causes of exceedance 6. Carry out analysis of contractor's working procedures to determine possible mitigation to be implemented. 7. Arrange meeting with EPD, IEC and ER to discuss the remedial actions to be taken 8. Assess effectiveness of Contractor's remedial actions and keep EPD and ER & IEC informed of the results 9. If exceedance stops, cease additional monitoring	1. Checking monitoring data submitted by ET 2. Discuss amongst ER, ET and Contractor on possible remedial measures 3. Review Contractor's remedial measures whenever necessary to ensure their effectiveness and advise the ER accordingly 4. Supervise the implementation of the remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify Contractor 3. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented 4. Discuss amongst ET, IEC and the Contractor on proposed remedial actions 5. In consultation with IEC, agree with the contractor remedial measures to be implemented 6. Ensure remedial measure are properly implemented 7. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to IEC, ER within 3 working days of notification 3. Implement the agreed proposals 4. Resubmit proposals if problem still not under control 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated

Event/Action Plan for Construction Noise

Exceedance	ACTION			
	ET	.IEC	ER	Contractor
Action Level	1. Discuss with the IEC and ER and seek to identify potential noise source 2. Undertake noise measurement to confirm the validity of complaint 3. Inform ER&IEC in writing Discuss remedial actions required with ER&IEC if an exceedance is recorded 4. Increase monitoring frequency to demonstrate efficacy of remedial measures 5. If exceedance continues, meet with ER&IEC to review implementation of appropriate mitigation measures. 6. If exceedance stops, cease additional monitoring	1. Review the analyzed results submitted by the ET 2. Review the proposed remedial measures by the Contractor and advise the ER & ET accordingly 3. Supervise the implementation of remedial measures	1. Confirm receipt of notification of complaint and notify Contractor immediately 2. Check monitoring data trends and Contractor's working methods 3. Remind the Contractor of his contractual obligations and discuss with ET, IEC and Contractor on proposed remedial actions 4. Assess the efficacy of remedial actions and keep the Contractor informed 5. Inform complainant of actions taken	1. Submit proposals for remedial actions to ER within three working days of notification 2. Amend proposals if required by the Engineer 3. Implement the remedial actions immediately upon instruction 4. Liaise with the ER to optimize the effectiveness of the agreed mitigation 5. Amend proposal if appropriate

Exceedance	ACTION			
	ET	IEC	ER	Contractor
Limit Level	1. Repeat measurement to confirm findings 2. Investigate the cause of the exceedance and identify the main source(s) of impact 3. Inform ER&IEC and EPD in writing 4. Discuss remedial actions required with ER&IEC 5. Increase monitoring frequency to demonstrate efficacy of remedial measures 6. Assess efficacy of remedial actions and keep ER & IEC informed of the results 7. If exceedance continues, meet with ER&IEC to identify appropriate mitigation measures 8. If exceedance stops, cease additional monitoring	1. Check monitoring data submitted by ET 2. Review Contractor's remedial actions to assure their effectiveness and advise the ER &ET accordingly 3. Supervise the implementation of the remedial measures	1. Confirm receipt of notification of exceedance and notify Contractor 2. Check monitoring data trends and Contractor's working methods 3. Discuss with ET, IEC and Contractor on proposed remedial actions to be implemented 4. Assess the efficacy of remedial actions and keep the Contractor informed 5. If exceedance continuous, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is aborted	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to ER immediately not more than 3 working days of notification 3. Amend proposals if required by the ER 4. Implement remedial actions immediately upon instruction 5. Liaise with the ER to optimize the effectiveness of the agreed mitigation 6. Resubmit proposals if problem still not under control 7. Stop the relevant portion of works as determined by the ER until the exceedance is aborted

APPENDIX K
ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

Appendix K - Summary of Environmental Mitigation Implementation Schedule

Types of Impacts	Mitigation Measures	Status
Construction Dust	• 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.	^
	• Every main haul road should be sprayed with water or a dust suppression chemical so as to maintain the entire road surface wet.	^
	• 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	^
	• Reduce the number of plant operating in critical areas close NSRs.	^
	• Construct temporary and movable noise barriers	^

Types of Impacts	Mitigation Measures	Status
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.	N/A
	• 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.	^
	• 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
	• 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

Types of Impacts	Mitigation Measures	Status
	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.	^
	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	

Types of Impacts	Mitigation Measures	Status
	• 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. • 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.	^ N/A ^
	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	
	• 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.	^ ^

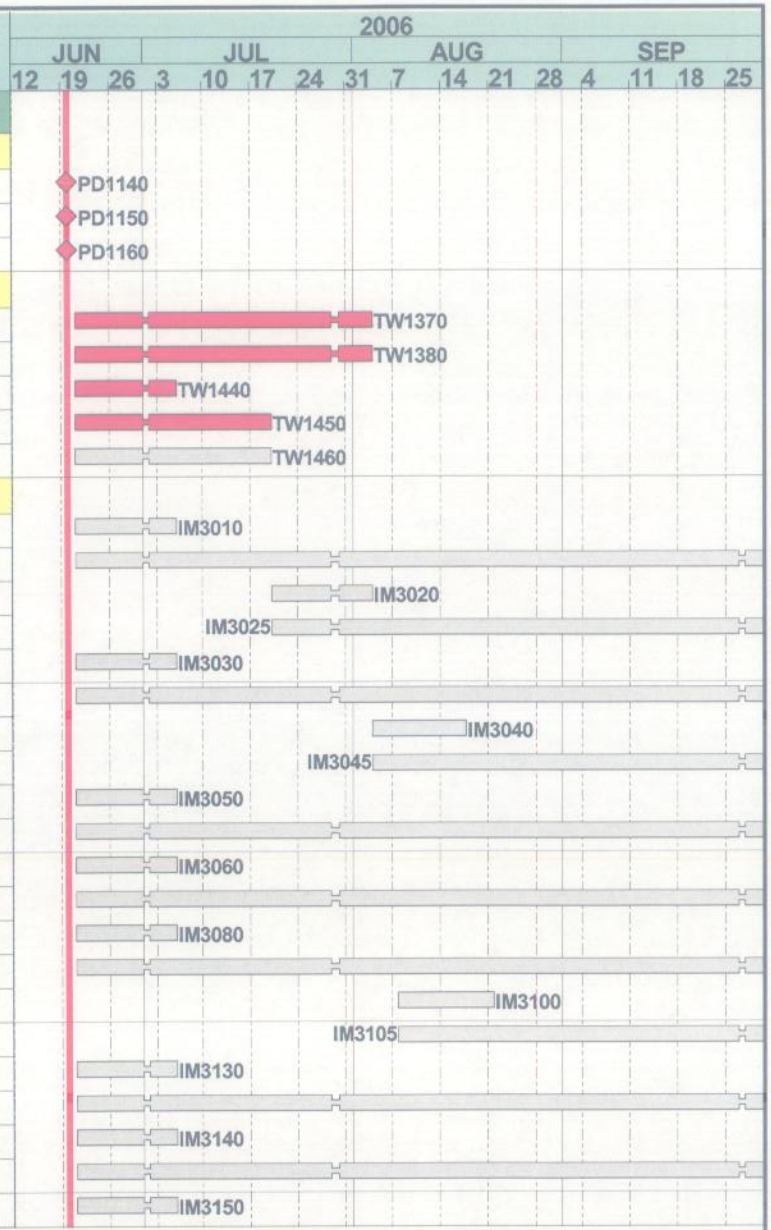
Types of Impacts	Mitigation Measures	Status
Ecology	• A sediment barrier shall be erected to minimize stream sedimentation at downstream of the project boundary of the Toll Plaza. • Conduct a tree survey before commencement of the construction work. • All measures recommended in the approved landscape 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. • Loss of the adjacent woodland due to temporary land take shall be returned to the original status immediately. • 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 ^ ^ N/A ^ N/A
Landscape and Visual Impact	• 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. • 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 and the establishment of new screen 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. • Measurement of vibration would also be carried out on a need basis during the piling work	^ ^ ^

Remarks:

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

APPENDIX L
CONSTRUCTION PROGRAMME

Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
Preliminaries & General Requirments						
Portion Access Dates						
PD1140	Anticipated Access to Portion F1	0	20JUN06*		30MAY06*	
PD1150	Anticipated Access to Portion F2	0	20JUN06*		30MAY06*	
PD1160	Anticipated Access to Portion F3	0	20JUN06*		08DEC05*	
Design of Temporary Works						
TW1370	Design of Temp Works for Feature 11NW-A/C66	36	21JUN06	03AUG06	06MAY06	16JUN06
TW1380	Design of Temp Works for Feature 11NW-A/FR54&55	36	21JUN06	03AUG06	06JUN05	19JUL05
TW1440	Design of Temporary Works for Pumping Stations	12	21JUN06	05JUL06	20APR06	04MAY06
TW1450	Design of T/Works for Erection of Noise Encl'res	24	21JUN06	19JUL06	15OCT05	11NOV05
TW1460	Design of T/Works for Erection of Noise Barriers	24	21JUN06	19JUL06	04JUL06	01AUG06
Monitoring & Instrumentation - New Works						
IM3010	Install Instrumentation @ Cut Slope CCR-S1	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3015	Monitoring @ Cut Slope CCR-S1	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3020	Install Instrumentation @ Cut Slope CCR-S2	12	20JUL06	03AUG06	04JUL08	17JUL08
IM3025	Monitoring @ Cut Slope CCR-S2	332*	20JUL06	25AUG07	04JUL08	03JUL08
IM3030	Install Instrumentation @ Cut Slope CCR-S3	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3035	Monitoring @ Cut Slope CCR-S3	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3040	Install Instrumentation @ Cut Slope CCR-S4	12	04AUG06	17AUG06	04JUL08	17JUL08
IM3045	Monitoring @ Cut Slope CCR-S4	320*	04AUG06	25AUG07	04JUL08	03JUL08
IM3050	Install Instrumentation @ Cut Slope CCR-S5	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3055	Monitoring @ Cut Slope CCR-S5	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3060	Install Instrumentation @ Cut Slope CCR-S6	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3065	Monitoring @ Cut Slope CCR-S6	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3080	Install Instrumentation @ Slope 11NW-A/C26	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3085	Monitoring @ Slope 11NW-A/C26	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3100	Install Instrumentation @ Slope11NW-A/C687 & 679	12	08AUG06	21AUG06	04JUL08	17JUL08
IM3105	Monitoring @ Slope 11NW-A/C687 & 679	317*	08AUG06	25AUG07	04JUL08	03JUL08
IM3130	Install Instrumentation @ Piers P1 to P6	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3135	Monitoring @ Piers P1 to P6	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3140	Install Instrumentation @ Piers P7 to P10	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3145	Monitoring @ Piers P7 to P10	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3150	Install Instrumentation @ Piers P11 to P15	12	21JUN06	05JUL06	04JUL08	17JUL08



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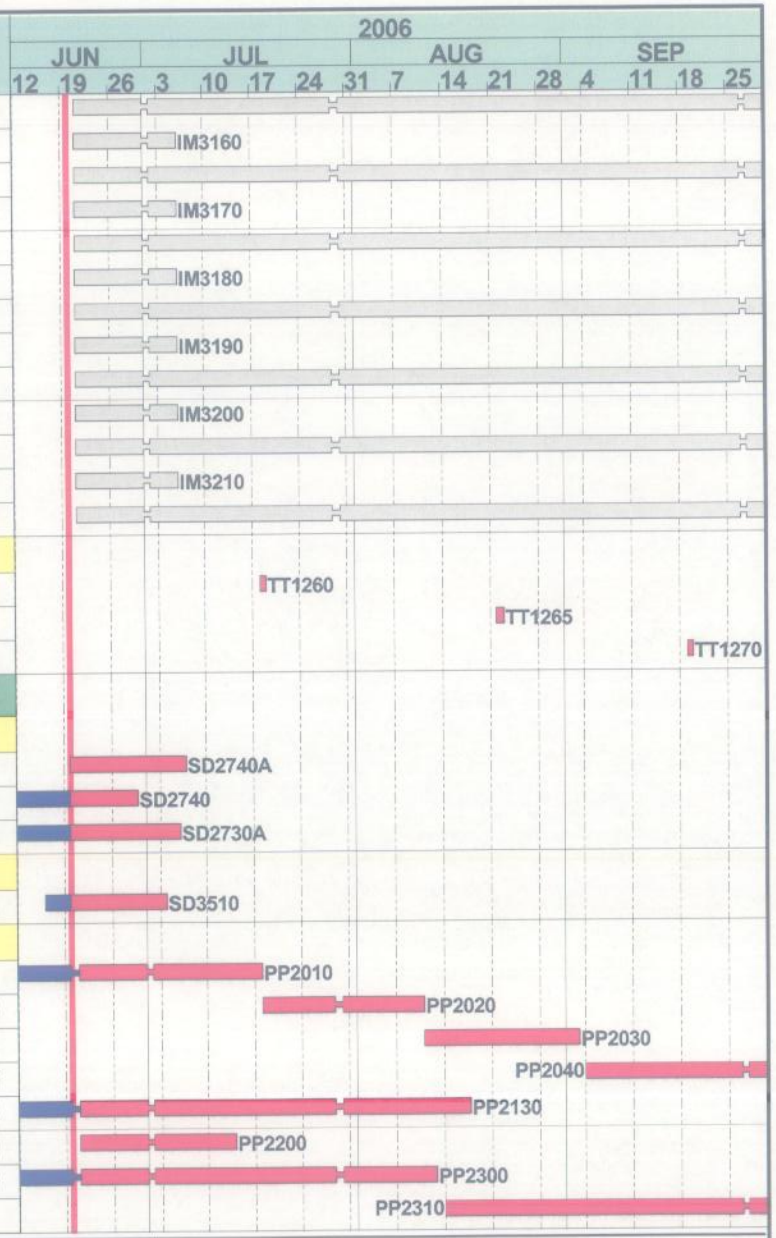
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
IM3155	Monitoring @ Piers P11 to P15	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3160	Install Instrumentation @ Piers P16 to P18	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3165	Monitoring @ Piers P16 to P18	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3170	Install Instrumentation @ Piers P19 to Abut. M	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3175	Monitoring @ Piers P19 to Abut. M	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3180	Install Instrumentation @ Piers on Slip Road A	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3185	Monitoring @ Piers on Slip Road A	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3190	Install Instrumentation @ Piers on Slip Road B	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3195	Monitoring @ Piers on Slip Road B	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3200	Install Instrumentation @ Piers on Slip Road C	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3205	Monitoring @ Piers on Slip Road C	356*	21JUN06	25AUG07	04JUL08	03JUL08
IM3210	Install Instrumentation @ Piers on Slip Road D	12	21JUN06	05JUL06	04JUL08	17JUL08
IM3215	Monitoring @ Piers on Slip Road D	356*	21JUN06	25AUG07	04JUL08	03JUL08
Temporary Traffic Management Schemes						
TT1260	33rd. TMLG Meeting	1	18JUL06	18JUL06	22JUL05	22JUL05
TT1265	34th. TMLG Meeting	1	22AUG06	22AUG06	25AUG05	25AUG05
TT1270	35th. TMLG Meeting	1	19SEP06	19SEP06	23SEP05	23SEP05
Procurement						
Segmental Deck Casting (Type A Units)						
SD2740A	P21/R (South)-Up - Cast 9 seg Type A	17	20JUN06A	06JUL06	20JUN06A	11MAR06
SD2740	P21/R (South)-Down - Cast 9 seg Type A	17	12JUN06A	29JUN06	12JUN06A	11MAR06
SD2730A	P21/L (North)-Up - Cast 8 seg Type A	15	22MAY06A	05JUL06	22MAY06A	18MAR06
Segmental Deck Casting (Type B Units)						
SD3510	P21 Slip D-Down - Cast 8 Segments Type B	15	16JUN06A	03JUL06	16JUN06A	16MAR06
Precast Parapet Panel Casting						
PP2010	Casting Type I & VII Parapet Units 151 - 350	35	19APR06A	17JUL06	19APR06A	12DEC05
PP2020	Casting Type I & VII Parapet Units 351 - 550	35	18JUL06	10AUG06	22FEB06	16MAR06
PP2030	Casting Type I & VII Parapet Units 551 -750	35	11AUG06	02SEP06	17MAR06	10APR06
PP2040	Casting Type I & VII Parapet Units 751 - 977	40	04SEP06	30SEP06	11APR06	08MAY06
PP2130	Casting Type II Parapet Units 766 - 1099	60	10JUN06A	17AUG06	10JUN06A	24MAR06
PP2200	Casting Type IIII Parapet Units 1 - 22	19	21JUN06	13JUL06	24SEP05	18OCT05
PP2300	Casting Type IV Parapet Units 1 - 227	80	20OCT05A	12AUG06	20OCT05A	01DEC05
PP2310	Casting Type IV Parapet Units 228 - 455	75	14AUG06	06OCT06	02DEC05	25JAN06



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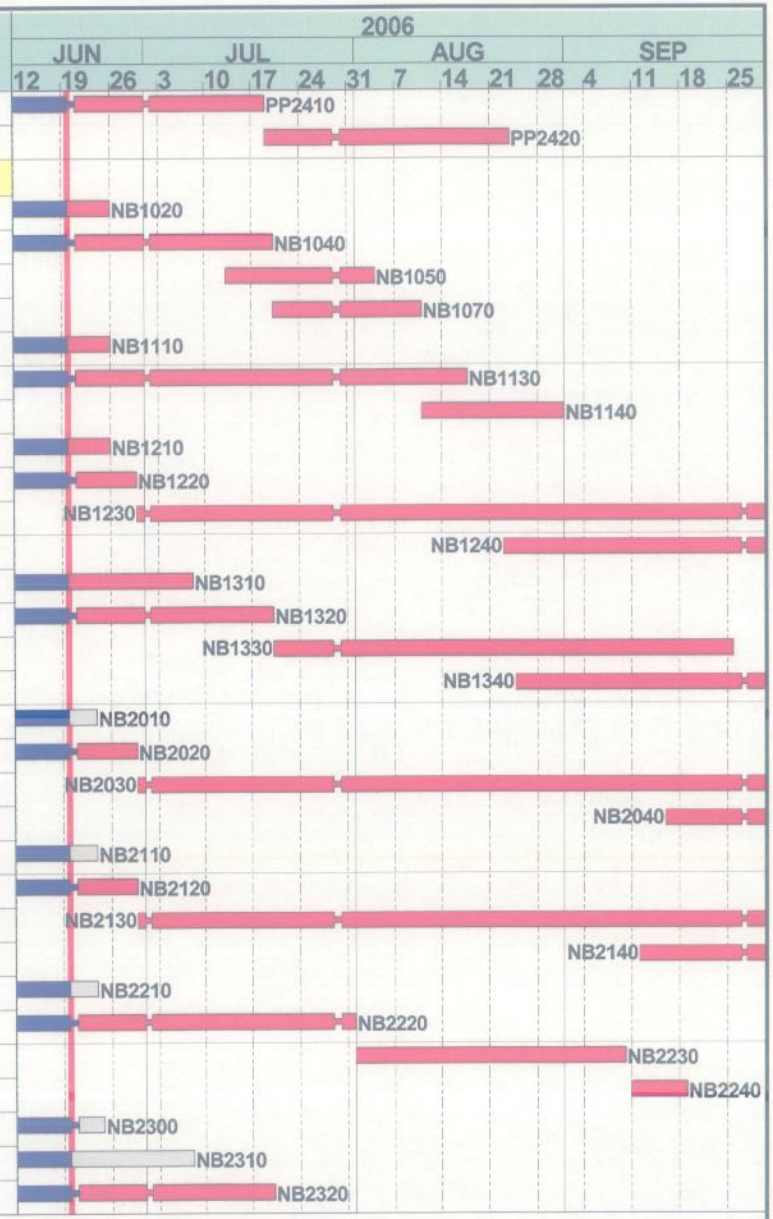
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
PP2410	Casting Type V & VI Parapet Units 2611 - 520	27	05JUN06A	18JUL06	05JUN06A	19DEC05
PP2420	Casting Type V & VI Parapet Units 521 - 780	30	19JUL06	23AUG06	20DEC05	25JAN06
Noise Barriers & Enclosures						
NB1020	Noise Encl' - Slip Rd A - Eng. Review & Approval	28	16MAR06A	25JUN06	16MAR06A	18OCT05
NB1040	Noise Encl' - Slip Rd A - Off-site Fabrication	64	20MAR06A	19JUL06	20MAR06A	11NOV05
NB1050	Noise Encl' - Slip Rd A - Delivery to Site	18	13JUL06	03AUG06	05NOV05	25NOV05
NB1070	Erection of Noise barrier Mock Up Sample	18	20JUL06	10AUG06	15NOV05	05DEC05
NB1110	Noise Encl' - Slip Rd B - Eng. Review & Approval	28	16MAR06A	25JUN06	16MAR06A	18NOV05
NB1130	Noise Encl' - Slip Rd B - Off-site Fabrication	70	20MAR06A	17AUG06	20MAR06A	18NOV05
NB1140	Noise Encl' - Slip Rd B - Delivery to Site	24	11AUG06	31AUG06	12NOV05	02DEC05
NB1210	Noise Encl' - P8 to P11 - Eng. Review & Approval	28	16MAR06A	25JUN06	16MAR06A	19DEC05
NB1220	Noise Encl' - P8 to P11 - Materials Purchasing	30	28FEB06A	29JUN06	28FEB06A	10OCT05
NB1230	Noise Encl' - P8 to P11 - Off-site Fabrication	78	30JUN06	03OCT06	12OCT05	12JAN06
NB1240	Noise Encl' - P8 to P11 - Delivery to Site	41	23AUG06	11OCT06	02DEC05	20JAN06
NB1310	Noise Encl' - ENT Approach - Eng. Review & Appro	28	03APR06A	07JUL06	03APR06A	13DEC05
NB1320	Noise Encl' - ENT Approach - Material Purchasing	27	28FEB06A	19JUL06	28FEB06A	29OCT05
NB1330	Noise Encl' - ENT Approach - Off-site Fabricat'n	57	20JUL06	25SEP06	31OCT05	06JAN06
NB1340	Noise Encl' - ENT Approach - Delivery to Site	41	25AUG06	13OCT06	05DEC05	23JAN06
NB2010	Noise Barriers - PA to P4 - Eng. Review & Appro'	28	23MAR06A	23JUN06	23MAR06A	04AUG06
NB2020	Noise Barriers - PA to P4 - Materials Purchasing	39	28FEB06A	29JUN06	28FEB06A	05APR06
NB2030	Noise Barriers - PA to P4 - Off-site Fabrication	120	30JUN06	22NOV06	06APR06	28AUG06
NB2040	Noise Barriers - PA to P4 - Delivery to Site	62	16SEP06	30NOV06	23JUN06	05SEP06
NB2110	Noise Barriers - P5 to P8 - Eng. Review & Appro'	47	23MAR06A	23JUN06	23MAR06A	13SEP06
NB2120	Noise Barriers - P5 to P8 - Materials Purchasing	40	28FEB06A	29JUN06	28FEB06A	26MAY06
NB2130	Noise Barriers - P5 to P8 - Off-site Fabrication	110	30JUN06	10NOV06	27MAY06	07OCT06
NB2140	Noise Barriers - P5 to P8 - Delivery to Site	56	12SEP06	18NOV06	10AUG06	16OCT06
NB2210	Noise Barriers - P11 to P13 -Eng Review & Approv	28	23MAR06A	23JUN06	23MAR06A	23JUL06
NB2220	Noise Barriers - P11 to P13 - Materials Purchase	28	28FEB06A	31JUL06	28FEB06A	05JUL06
NB2230	Noise Barriers - P11 to P13 - Off-site Fabric'n	35	01AUG06	09SEP06	06JUL06	16AUG06
NB2240	Noise Barriers - P11 to P13 - Delivery to Site	7	11SEP06	18SEP06	17AUG06	24AUG06
NB2300	Noise Barriers - ENT Approach -Des'n & Shop Dwgs	82	24AUG05A	24JUN06	24AUG05A	17JUL08
NB2310	Noise Barriers - ENT Approach -Eng Rev & Approv	28	03APR06A	07JUL06	03APR06A	31JUL06
NB2320	Noise Barriers - ENT Approach -Material Purchase	65	28FEB06A	19JUL06	28FEB06A	27JUN06



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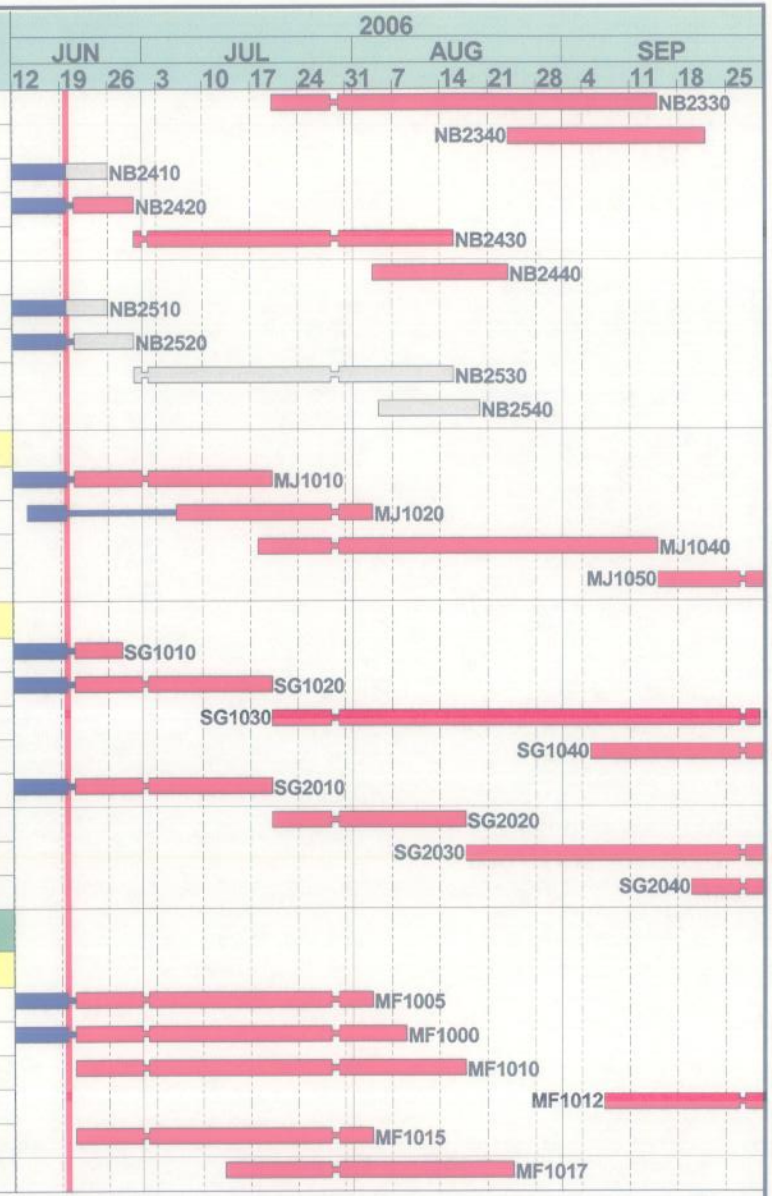
NB2330	Noise Barriers - ENT Approach -Off-site Fabric'n	48	20JUL06	14SEP06	28JUN06	24AUG06
NB2340	Noise Barriers - ENT Approach - Delivery to Site	25	24AUG06	21SEP06	03AUG06	31AUG06
NB2410	Noise Barriers - Slip Rd. C - Eng Rev & Approv	28	23MAR06A	25JUN06	23MAR06A	08JUL06
NB2420	Noise Barriers - Slip Rd. C - Material Purchase	29	28FEB06A	29JUN06	28FEB06A	14JUN06
NB2430	Noise Barriers - Slip Rd.C - Off-site Fabricat'n	38	30JUN06	15AUG06	15JUN06	01AUG06
NB2440	Noise Barriers - Slip Rd. C - Delivery to Site	17	04AUG06	23AUG06	28JUL06	17AUG06
NB2510	Noise Barriers - Slip Rd. D - Eng Rev & Approv	125	16MAR06A	25JUN06	16MAR06A	20SEP06
NB2520	Noise Barriers - Slip Rd. D - Material Purchase	90	28FEB06A	29JUN06	28FEB06A	29AUG06
NB2530	Noise Barriers - Slip Rd. D -Off-site Fabricat'n	38	30JUN06	15AUG06	30AUG06	14OCT06
NB2540	Noise Barriers - Slip Rd. D - Delivery to Site	13	05AUG06	19AUG06	05OCT06	19OCT06
Movement Joints						
MJ1010	Detailed Design & Shop Drawings	48	20MAR06A	19JUL06	20MAR06A	12JUN06
MJ1020	Review & Approval of Design & Shop Drawings	24	14JUN06A	03AUG06	14JUN06A	27JUN06
MJ1040	Off-Site Manufacturing of M.Js. - Main Line	50	18JUL06	14SEP06	10JUN06	10AUG06
MJ1050	Off-Site Manufacturing of M.Js. - Slip Roads	50	15SEP06	15NOV06	11AUG06	10OCT06
Signage						
SG1010	Sign Gantries - Detailed Design & Shop Drawings	50	17NOV05A	27JUN06	17NOV05A	27OCT05
SG1020	Sign Gantries - Review/Appro of Design & S/Dwgs.	24	20MAR06A	19JUL06	20MAR06A	10NOV05
SG1030	Sign Gantries - Off-Site Fabrication of Gantries	60	20JUL06	29SEP06	11NOV05	21JAN06
SG1040	Sign Gantries - Delivery of Gantries to Site	24	05SEP06	04OCT06	28DEC05	25JAN06
SG2010	Signage - Shop Drawings	50	20OCT05A	19JUL06	20OCT05A	10OCT05
SG2020	Signage - Review & Approval of Shop Drawings.	24	20JUL06	17AUG06	12OCT05	08NOV05
SG2030	Signage - Off-Site Fabrication of Signs	50	18AUG06	17OCT06	09NOV05	07JAN06
SG2040	Signage - Delivery of Signs to Site	25	20SEP06	21OCT06	12DEC05	11JAN06
Viaduct - Main Line - Piers PA to P6						
Superstructure Finishing Works Required for TCSS						
MF1005	P3L to P6 - Parapets P3/L to P7/L (incl earthing	48	22APR06A	03AUG06	22APR06A	18JAN06
MF1000	PA to P6 - Parapets PA/L to P3/L (incl earthing)	48	14APR06A	08AUG06	14APR06A	04FEB06
MF1010	PA to P6 - Parapets PA/R to P3/R (incl earthing)	48	21JUN06	17AUG06	01NOV05	27DEC05
MF1012	PA to P6 - Parapets P3/R to P7 (incl earthing)	48	07SEP06	04NOV06	28DEC05	25FEB06
MF1015	PA to P6 - Insitu Slab to Under Median Barrier	36	21JUN06	03AUG06	15NOV05	27DEC05
MF1017	PA to P6 - Median Barrier (incl earthing)	36	13JUL06	24AUG06	06DEC05	18JAN06



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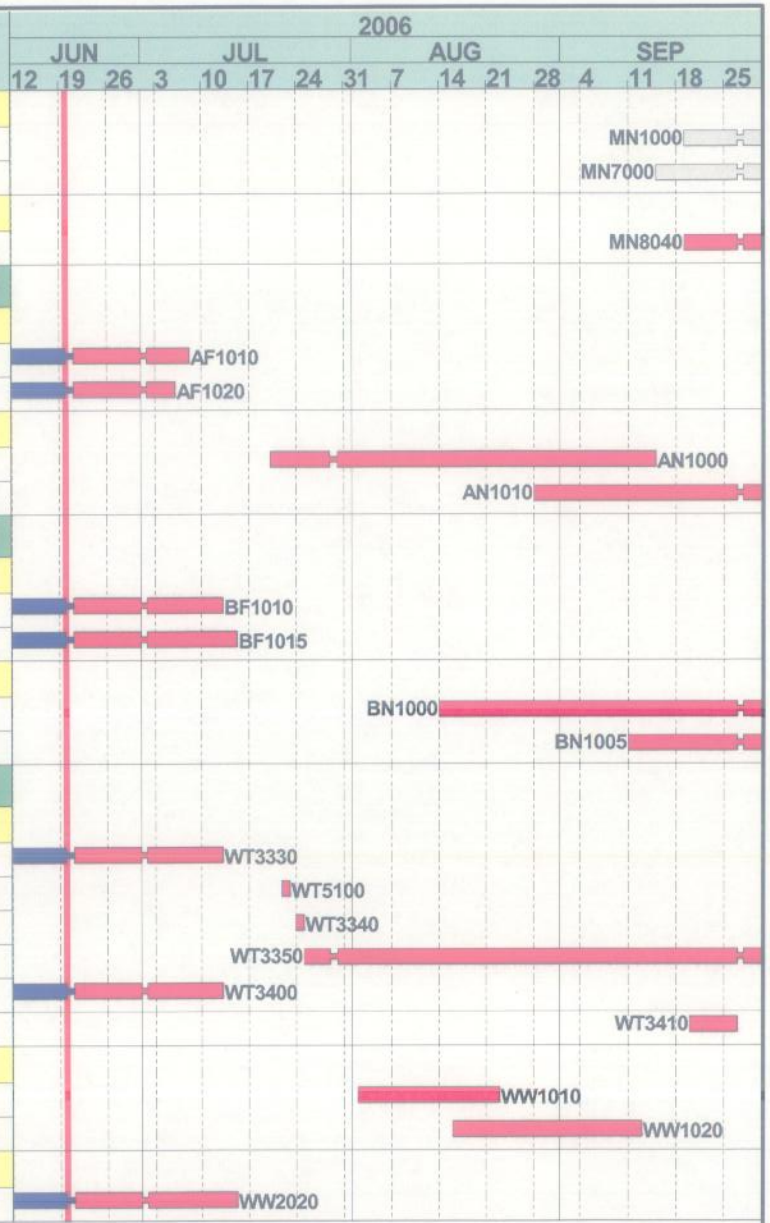
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
Noise Barriers & Encl' (Sec.15 Excision)						
MN1000	Viaduct - 3m Absorptive Barriers N/B Ch.407-670	75	19SEP06	18DEC06	09OCT06	06JAN07
MN7000	Viaduct - 3m Ref. Barriers N/B Ch.S1280-L938	75	15SEP06	14DEC06	09OCT06	06JAN07
Remaining Noise Barriers & Enclosures						
MN8040	Viaduct - 5m Reflective Barrier N/B Ch.407 - 642	75	19SEP06	18DEC06	09AUG06	07NOV06
Viaduct - Slip Road A						
Superstructure Finishing Works Required for TCSS						
AF1010	Slip Rd.A to P7 -Parapets East Face (incl earth)	60	06JAN06A	07JUL06	06JAN06A	11NOV05
AF1020	Slip Rd.A to P7- Parapets West Face (incl earth)	60	17JAN06A	05JUL06	17JAN06A	25NOV05
Noise Barriers & Encl' (Sec.15 Excision)						
AN1000	Slip Rd. A - Full Enclosure Ch.1070 - Pier A2	48	20JUL06	14SEP06	12NOV05	09JAN06
AN1010	Slip Rd. A - Full Enclosure Pier A2 - 1280	48	28AUG06	25OCT06	20DEC05	18FEB06
Viaduct - Slip Road B						
Superstructure Finishing Works Required for TCSS						
BF1010	Slip Rd.B to P7 - Parapets East Face (incl earth	60	04MAY06A	12JUL06	04MAY06A	05DEC05
BF1015	Slip Rd.B to P7 - Parapets West Face (incl earth	60	04MAY06A	14JUL06	04MAY06A	08FEB06
Remaining Noise Barriers & Enclosures						
BN1000	Slip Road B - Full Enclosure Ch.1038 - Pier B2	48	14AUG06	10OCT06	15NOV05	11JAN06
BN1005	Slip Road B - Full Enclosure Pier B2 - Ch. 1258	48	11SEP06	08NOV06	13DEC05	11FEB06
At Grade Works - Lai Po Road						
Temporary Traffic Management Schemes						
WT3330	5th. TTMS Lai Po Rd (for N/B C/W) - Site Prepare	24	05JUN06A	12JUL06	05JUN06A	16JUN05
WT5100	Transfer Viaduct Access to Slip Rd B	1	22JUL06	22JUL06	16JUN05	16JUN05
WT3340	Divert N/B&S/B Traffic to Divs'n No3 for N/B C/W	1	24JUL06	24JUL06	17JUN05	17JUN05
WT3350	5th. TTMS Lai Po Rd (forN/B C/W) -Implementation	111*	25JUL06	05DEC06	18JUN05	29OCT05
WT3400	6th. TTMS Lai Po Rd (for S/B C/W)-Prepare Review	18	20MAY06A	12JUL06	20MAY06A	22SEP05
WT3410	6th. TTMS Lai Po Rd (for S/B C/W) - CRE Endors't	6	20SEP06	26SEP06	24SEP05	30SEP05
Retaining Wall LCK-R1						
WW1010	Ret. Wall LCK-R1 - Bases	18	02AUG06	22AUG06	25JUN05	16JUL05
WW1020	Ret. Wall LCK-R1 - Walls	24	16AUG06	12SEP06	11JUL05	06AUG05
Retaining Wall LCK-R2						
WW2020	Ret. Wall LCK-R2 - Walls	60	06JUN06A	14JUL06	06JUN06A	07JUN05



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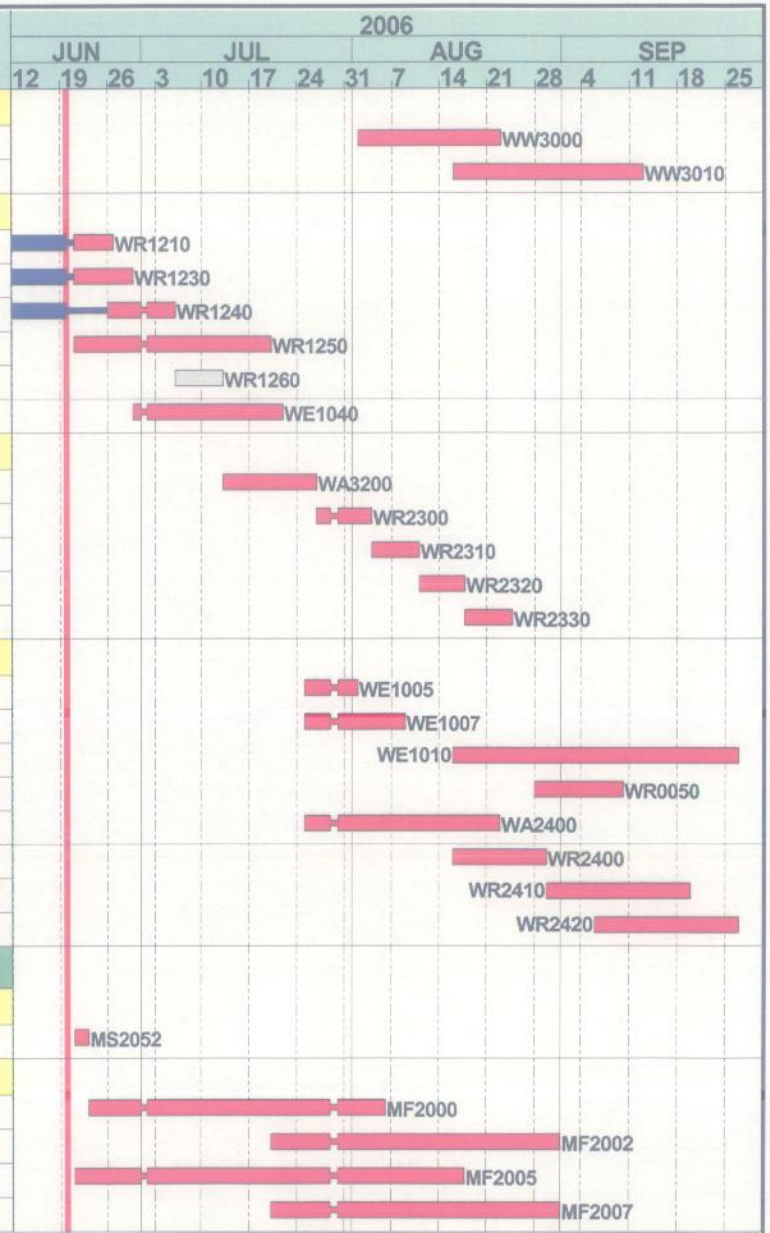
Retaining Wall LCK-R3						
WW3000	Ret. Wall LCK-R3 - Bases	18	02AUG06	22AUG06	25JUN05	16JUL05
WW3010	Ret. Wall LCK-R3 - Walls	24	16AUG06	12SEP06	11JUL05	06AUG05
Lai Po Road (D3) Roadworks - Stage 1						
WR1210	Lai Po Rd N/B Ch.1+250 - 1+360 - Formation	18	29MAR06A	26JUN06	29MAR06A	17NOV05
WR1230	Lai Po Rd N/B Ch.1+250 - 1+360 - Sub-base	12	25APR06A	29JUN06	25APR06A	21NOV05
WR1240	Lai Po Rd N/B Ch.1+250 - 1+360 - Kerbs	12	10MAY06A	05JUL06	10MAY06A	25NOV05
WR1250	Lai Po Rd N/B Ch.1+250 - 1+360- Utilities	24	21JUN06	19JUL06	17NOV05	14DEC05
WR1260	Lai Po Rd N/B Ch.1+250 - 1+360 - Road Pavement	6	06JUL06	12JUL06	11JUL08	17JUL08
WE1040	Lai Po Rd S/B - Temporary Ramp at Slip Road B	18	30JUN06	21JUL06	25MAY05	15JUN05
Lai Po Road (D3) Roadworks - Stage 3						
WA3200	Lai Po Rd S/B Ch.1+300 - 1+360 - Drainage	12	13JUL06	26JUL06	13AUG05	26AUG05
WR2300	Lai Po Rd S/B Ch.1+300 - 1+360 - Formation	6	27JUL06	03AUG06	27AUG05	02SEP05
WR2310	Lai Po Rd S/B Ch.1+300 - 1+360 - Sub-base	6	04AUG06	10AUG06	03SEP05	09SEP05
WR2320	Lai Po Rd S/B Ch.1+300 - 1+360 - Kerbs	6	11AUG06	17AUG06	10SEP05	16SEP05
WR2330	Lai Po Rd S/B Ch.1+300 - 1+360 - Pavement	6	18AUG06	24AUG06	17SEP05	24SEP05
Lai Po Road (D3) Roadworks - Stage 4						
WE1005	Lai Po Rd N/B - Remove Temp Ramp to Slip Rd. A	6	25JUL06	01AUG06	18JUN05	24JUN05
WE1007	Lai Po Rd N/B -Remove Temp Road Over Slip Rd A	12	25JUL06	08AUG06	18JUN05	02JUL05
WE1010	Lai Po Rd N/B Ch.0+946 - 1+250 - Fill Embankment	36	16AUG06	26SEP06	11JUL05	20AUG05
WR0050	Lai Po Rd N/B - Sign Gantry DS6 Founds	12	28AUG06	09SEP06	15AUG05	27AUG05
WA2400	Lai Po Rd S/B Ch.1+170 - 1+300 Drainage	24	25JUL06	22AUG06	13OCT05	09NOV05
WR2400	Lai Po Rd S/B Ch.1+170 - 1+300 - Formation	12	16AUG06	29AUG06	03NOV05	16NOV05
WR2410	Lai Po Rd S/B Ch.1+170 - 1+300- Sub-base	18	30AUG06	19SEP06	17NOV05	07DEC05
WR2420	Lai Po Rd S/B Ch.1+170 - 1+300- Kerbs	18	06SEP06	26SEP06	24NOV05	14DEC05
Viaduct - Main Line - Piers P7 to P10						
Substructure						
MS2052	P7 Install Bearings	2	21JUN06	22JUN06	29SEP05	30SEP05
Superstructure Finishing Works Required for TCSS						
MF2000	P7 to P10 - Parapets P7 to P8 (incl earthing)	36	23JUN06	05AUG06	03OCT05	14NOV05
MF2002	P7 to P10 - Parapets P8 to P10 (incl earthing)	36	20JUL06	31AUG06	25OCT05	05DEC05
MF2005	P7 to P10 - Insitu Slab to Under Median Barrier	48	21JUN06	17AUG06	24SEP05	21NOV05
MF2007	P7 to P10 - Median Barrier (incl earthing)	36	20JUL06	31AUG06	25OCT05	05DEC05



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Highways Department Contract No. HY/2003/01
Route 8 - Lai Chi Kok Viaduct
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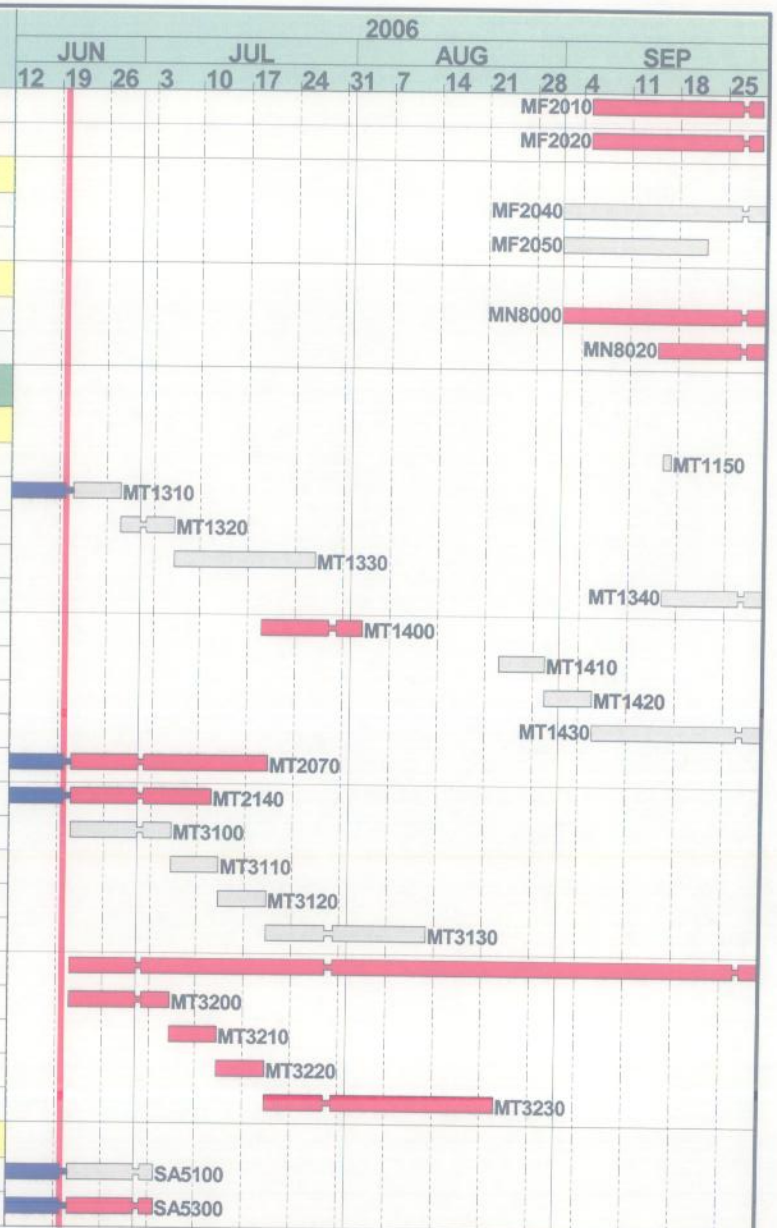
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
MF2010	P7 to P10 - Sign Gantry ??? at P8/L	21	05SEP06	29SEP06	23JAN06	18FEB06
MF2020	P7 to P10 - Sign Gantry FADS2 at P10/R	21	05SEP06	29SEP06	23JAN06	18FEB06
Remaining Superstructure Finishing Works						
MF2040	P7 to P10 - Deck Drainage	48	01SEP06	30OCT06	26SEP06	23NOV06
MF2050	P7 to P10 - Top Rail to Parapets	18	01SEP06	21SEP06	09SEP06	30SEP06
Remaining Noise Barriers & Enclosures						
MN8000	Viaduct - Semi Enclosure N/B Ch.980 to 1181	60	01SEP06	13NOV06	06DEC05	18FEB06
MN8020	Viaduct - 3m Reflective Barrier C/L Ch.845 - 980	60	15SEP06	27NOV06	14AUG06	25OCT06
At Grade Works - Lai Chi Kok Interchange						
Temporary Traffic Management Schemes						
MT1150	B.V. Rd - Divert Traffic to Fast & Slow Lanes	1	16SEP06	16SEP06	17JUL08	17JUL08
MT1310	2nd. TTMS Butterfly Valley Rd - CRE Endorsement	6	19MAY06A	27JUN06	19MAY06A	16JUN08
MT1320	2nd. TTMS Butterfly Valley Rd - Roadworks Advice	6	28JUN06	05JUL06	17JUN08	23JUN08
MT1330	2nd. TTMS Butterfly Valley Rd - Prepare	18	06JUL06	26JUL06	25JUN08	16JUL08
MT1340	2nd. TTMS Butterfly Valley Rd - Implementation	16*	16SEP06	06OCT06	17JUL08	17JUL08
MT1400	3rd TTMS Butterfly Valley Rd -Prepare for Review	12	19JUL06	02AUG06	11AUG05	24AUG05
MT1410	3rd. TTMS Butterfly Valley Rd - CRE Endorsement	6	23AUG06	29AUG06	03JUN08	09JUN08
MT1420	3rd. TTMS Butterfly Valley Rd - Roadworks Advice	6	30AUG06	05SEP06	10JUN08	16JUN08
MT1430	3rd. TTMS Butterfly Valley Rd - Prepare	24	06SEP06	05OCT06	17JUN08	16JUL08
MT2070	TTMS Case No.027 (P7 Piling) - Implementation	640*	03JUN04A	19JUL06	03JUN04A	18JAN06
MT2140	TTMS for Pier P8/L - Implementation	718*	23FEB04A	11JUL06	23FEB04A	11NOV05
MT3100	2nd. TTMS Kom Tsun Street - Prepare for Review	12	21JUN06	05JUL06	26MAY08	07JUN08
MT3110	2nd. TTMS Kom Tsun Street - CRE Endorsement	6	06JUL06	12JUL06	09JUN08	14JUN08
MT3120	2nd. TTMS Kom Tsun Street - Roadworks Advice	6	13JUL06	19JUL06	16JUN08	21JUN08
MT3130	2nd. TTMS Kom Tsun Street - Site Preparation	20	20JUL06	12AUG06	23JUN08	17JUL08
MT3140	2nd. TTMS Kom Tsun Street - Implementation	117*	21JUN06	09NOV06	14SEP05	18NOV05
MT3200	3rd. TTMS Kom Tsun Street - Prepare for Review	12	21JUN06	05JUL06	16SEP05	30SEP05
MT3210	3rd. TTMS Kom Tsun Street - CRE Endorsement	6	06JUL06	12JUL06	03OCT05	08OCT05
MT3220	3rd. TTMS Kom Tsun Street - Roadworks Advice	6	13JUL06	19JUL06	10OCT05	17OCT05
MT3230	3rd. TTMS Kom Tsun Street - Site Preparation	28	20JUL06	22AUG06	18OCT05	18NOV05
Drainage Works						
SA5100	Butterfly Valley Rd Stage2 - Stormwater Drainage	36	17APR06A	03JUL06	17APR06A	26MAY08
SA5300	Butterfly Valley Rd Stage4 - Stormwater Drainage	12	24APR06A	03JUL06	24APR06A	09NOV05



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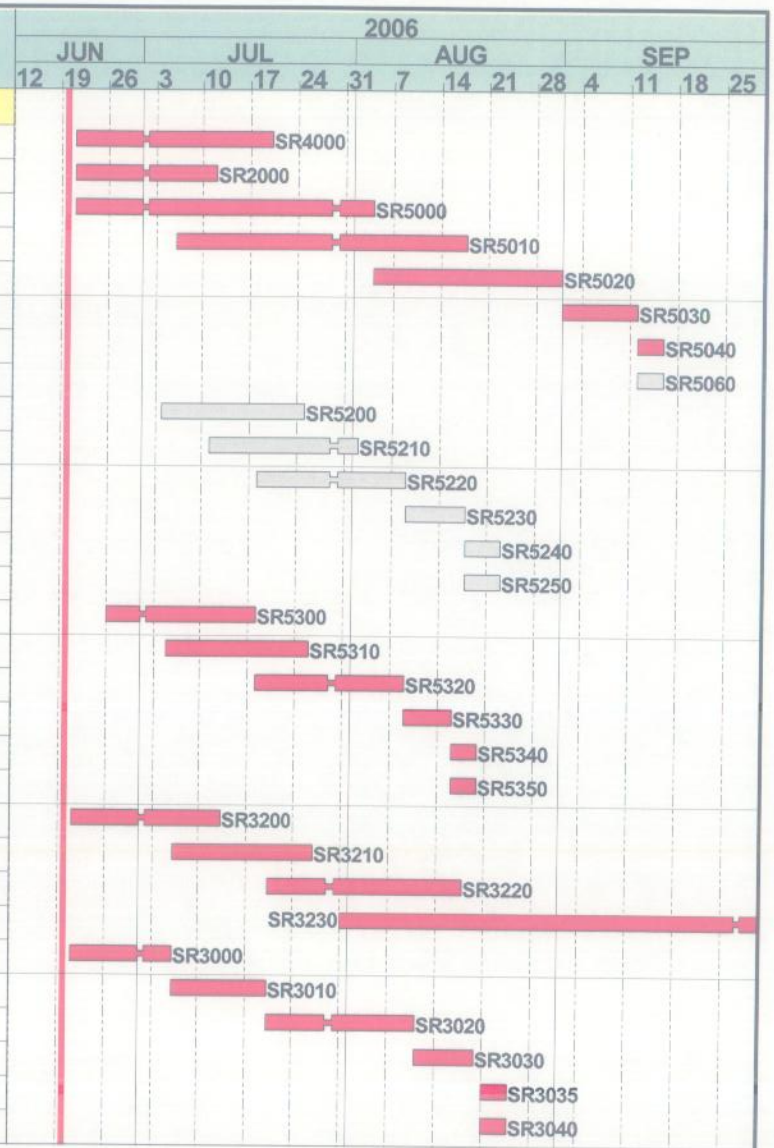
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
Utilities & Roadworks						
SR4000	Kwai Chung Road (Pier 7) - Reinstatement	24	21JUN06	19JUL06	20DEC05	18JAN06
SR2000	Castle Peak Road - Roadworks Reinstatement	17	21JUN06	11JUL06	24OCT05	11NOV05
SR5000	Butterfly V. Rd (LCKI) Stage1-Excav. & Formation	36	21JUN06	03AUG06	31AUG05	14OCT05
SR5010	Butterfly V. Rd (LCKI) Stage 1 - Sub-base	36	06JUL06	17AUG06	14SEP05	28OCT05
SR5020	Butterfly V. Rd (LCKI) Stage 11 - Kerbs	24	04AUG06	31AUG06	15OCT05	11NOV05
SR5030	Butterfly V. Rd (LCKI) Stage 1 - Pavement	9	01SEP06	11SEP06	04JAN06	13JAN06
SR5040	Butterfly V. Rd (LCKI) Stage 1 - Street Lighting	4	12SEP06	15SEP06	14JAN06	18JAN06
SR5060	Butterfly V. Rd (LCKI) Stage 1 - Road Marking	4	12SEP06	15SEP06	12JUL08	16JUL08
SR5200	Butterfly V. Rd (LCKI) Stage2-Excav. & Formation	18	04JUL06	24JUL06	27MAY08	16JUN08
SR5210	Butterfly V. Rd (LCKI) Stage 2 - Sub-base	18	11JUL06	01AUG06	03JUN08	23JUN08
SR5220	Butterfly V. Rd (LCKI) Stage 2 - Kerbs	18	18JUL06	08AUG06	10JUN08	02JUL08
SR5230	Butterfly V. Rd (LCKI) Stage 2 - Pavement	8	09AUG06	17AUG06	03JUL08	11JUL08
SR5240	Butterfly V. Rd (LCKI) Stage 2 - Street Lighting	4	18AUG06	22AUG06	12JUL08	16JUL08
SR5250	Butterfly V. Rd (LCKI) Stage 2 - Road Marking	4	18AUG06	22AUG06	12JUL08	16JUL08
SR5300	Butterfly V. Rd (LCKI) Stage4-Excav. & Formation	18	26JUN06	17JUL06	03NOV05	23NOV05
SR5310	Butterfly V. Rd (LCKI) Stage 4 - Sub-base	18	05JUL06	25JUL06	11NOV05	01DEC05
SR5320	Butterfly V. Rd (LCKI) Stage 4 - Kerbs	18	18JUL06	08AUG06	24NOV05	14DEC05
SR5330	Butterfly V. Rd (LCKI) Stage 4 - Pavement	6	09AUG06	15AUG06	15DEC05	21DEC05
SR5340	Butterfly V. Rd (LCKI) Stage 4 - Street Lighting	4	16AUG06	19AUG06	22DEC05	27DEC05
SR5350	Butterfly V. Rd (LCKI) Stage 4 - Road Marking	4	16AUG06	19AUG06	22DEC05	27DEC05
SR3200	Kom Tsun Street Bus Stn. - Excavate & Formation	18	21JUN06	12JUL06	30JUN05	21JUL05
SR3210	Kom Tsun Street bus Stn. - Sub-base	18	06JUL06	26JUL06	15JUL05	04AUG05
SR3220	Kom Tsun Street Bus Stn. - Kerbs	24	20JUL06	17AUG06	29JUL05	25AUG05
SR3230	Kom Tsun Street Bus Stn. - Concrete Pavement	85	31JUL06	09NOV06	08AUG05	17NOV05
SR3000	Kom Tsun Street L/H C/Way - Excavate & Formation	12	21JUN06	05JUL06	14SEP05	28SEP05
SR3010	Kom Tsun Street L/H C/Way - Sub-base	12	06JUL06	19JUL06	29SEP05	14OCT05
SR3020	Kom Tsun Street L/H C/Way - Kerbs	18	20JUL06	10AUG06	15OCT05	04NOV05
SR3030	Kom Tsun Street L/H C/Way - Pavement	8	11AUG06	19AUG06	05NOV05	14NOV05
SR3035	Kom Tsun Street L/H C/Way - Street Lighting	4	21AUG06	24AUG06	15NOV05	18NOV05
SR3040	Kom Tsun Street L/H C/Way - Road Marking	4	21AUG06	24AUG06	15NOV05	18NOV05



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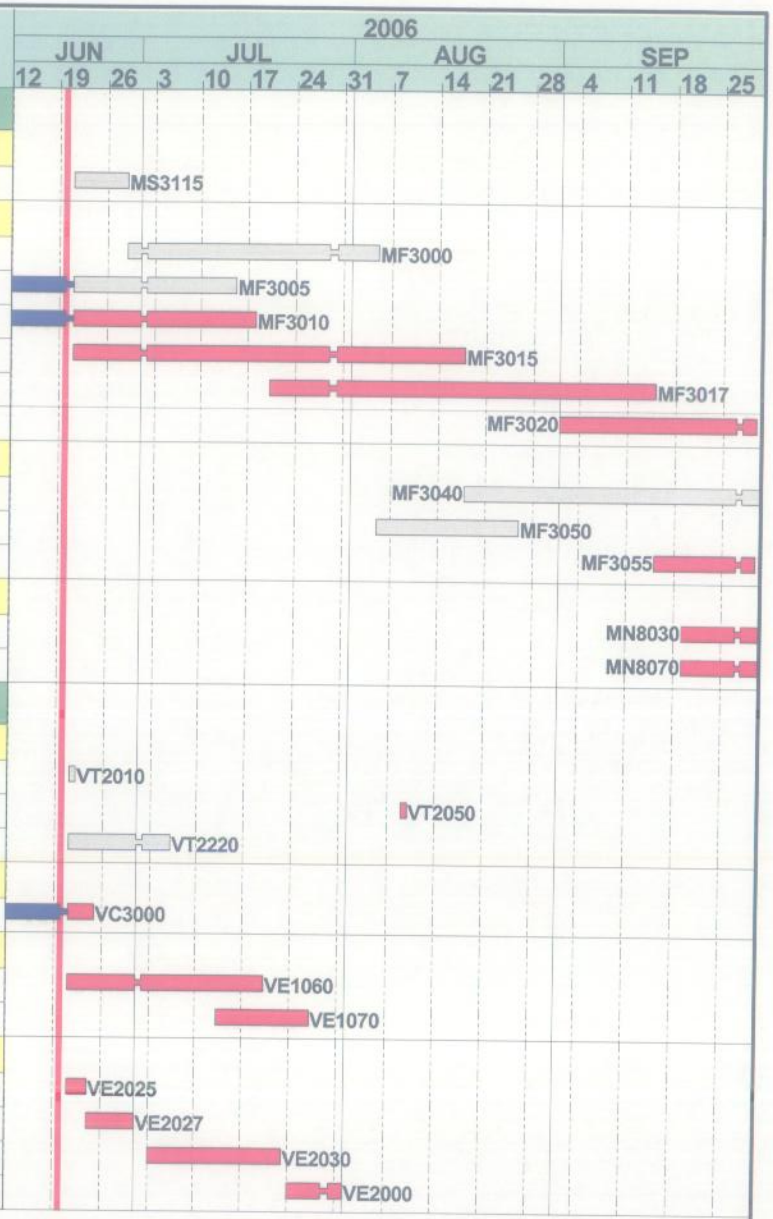
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
Viaduct - Main Line - Piers P11 to P15						
Substructure						
MS3115	P12 - Bearings	7	21JUN06	28JUN06	06JUL06	13JUL06
Superstructure Finishing Works Required for TCSS						
MF3000	P11 to P15 - Parapets P10 to P12 (incl earthing)	30	29JUN06	04AUG06	14JUL06	18AUG06
MF3005	P11 to P15 - Parapets P12 to P14 (incl earthing)	24	25MAY06A	14JUL06	25MAY06A	18AUG06
MF3010	P11 to P15 - Parapets P14 to P16 (incl earthing)	24	30MAY06A	17JUL06	30MAY06A	23JAN06
MF3015	P11 to P15 - Insitu Slab to Under Median Barrier	48	21JUN06	17AUG06	08NOV05	04JAN06
MF3017	P11 to P15 - Median Barrier (incl earthing)	48	20JUL06	14SEP06	06DEC05	04FEB06
MF3020	P11 to P15 - Provision for E & M and TCSS	24	01SEP06	29SEP06	19JAN06	18FEB06
Remaining Superstructure Finishing Works						
MF3040	P11 to P15 - Deck Drainage	72	18AUG06	13NOV06	29AUG06	23NOV06
MF3050	P11 to P15 - Top Rail to Parapets	18	05AUG06	25AUG06	19AUG06	08SEP06
MF3055	P11 to P15 - Install Movement Joint at P12	12	15SEP06	29SEP06	29AUG06	11SEP06
Remaining Noise Barriers & Enclosures						
MN8030	Viaduct - 3m Reflective Barrier S/B Ch.1181-1302	75	19SEP06	18DEC06	25AUG06	23NOV06
MN8070	Viaduct - 5m Reflective Barrier N/B Ch.1181-1302	75	19SEP06	18DEC06	25AUG06	23NOV06
At Grade Works - Wai Man Tsuen						
Temporary Traffic Management Schemes						
VT2010	B.V. Rd - Divert Traffic to Slow & Fast Lanes	1	21JUN06	21JUN06	17JUL08	17JUL08
VT2050	B.V. Rd - Divert Traffic to Slow & Middle Lanes	1	09AUG06	09AUG06	07NOV05	07NOV05
VT2220	TTMS Slip Rd D Deck@ CC Rd W/B -Roadworks Advice	12	21JUN06	05JUL06	04JUL08	17JUL08
Realigned Channel at Wai Man Tsuen						
VC3000	Channel - Modifications to Channel Floor -VO 299	12	30NOV05A	24JUN06	30NOV05A	18JAN06
Earthworks & Slope Works						
VE1060	Slope CCR-S5 - Slope Drainage & Finishes	24	21JUN06	19JUL06	01NOV05	28NOV05
VE1070	Slope CCR-S5 - Landscaping & Hydroseeding	12	13JUL06	26JUL06	22NOV05	05DEC05
Earthworks & Slope Works - 11NW-A/C678 & CR679						
VE2025	Slope 11NW-A/C678 & CR679 - Platform for S.Nails	3	21JUN06	23JUN06	25NOV05	28NOV05
VE2027	Slope 11NW-A/C678 & CR679 - Test Soil Nail	6	24JUN06	30JUN06	29NOV05	05DEC05
VE2030	Slope 11NW-A/C678 & CR679 - Soil Nails	18	03JUL06	22JUL06	06DEC05	27DEC05
VE2000	Slope 11NW-A/C678 & CR679 - Remove Temp Platform	6	24JUL06	31JUL06	28DEC05	04JAN06



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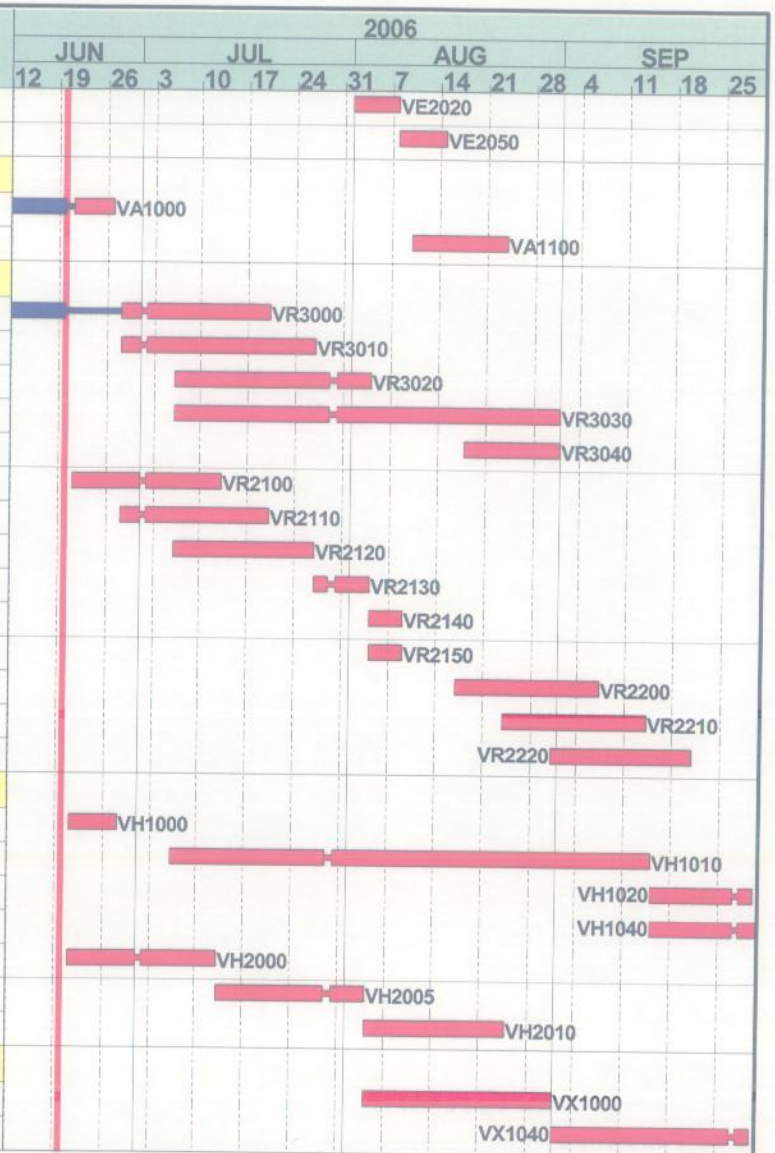
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
VE2020	Slope 11NW-A/C678 & CR679 - Trim Original Slope	6	01AUG06	07AUG06	05JAN06	11JAN06
VE2050	Slope 11NW-A/C678 & CR679 -Landscape & Hydroseed	6	08AUG06	14AUG06	12JAN06	18JAN06
Drainage Works						
VA1000	Butterfly Valley Rd Stage3 - Stormwater Draiange	48	15FEB06A	26JUN06	15FEB06A	23SEP05
VA1100	Butterfly Valley Rd Stage4 - Stormwater Draiange	12	10AUG06	23AUG06	08NOV05	21NOV05
Utilities & Roadworks						
VR3000	Drainage Maintenance Access Rd. - Formation	24	02MAR06A	19JUL06	02MAR06A	07NOV05
VR3010	Drainage Maintenance Access Rd. - Sub-base	24	28JUN06	26JUL06	18OCT05	14NOV05
VR3020	Drainage Maintenance Access Rd. - Kerbs	24	06JUL06	03AUG06	25OCT05	21NOV05
VR3030	Drainage Maintenance Access Rd. - Pavement	48	06JUL06	31AUG06	22NOV05	18JAN06
VR3040	Drainage Maintenance Access Rd. - Street Lights	12	18AUG06	31AUG06	05JAN06	18JAN06
VR2100	Butterfly V. Rd (WMT) Stage3- Excav. & Formation	18	21JUN06	12JUL06	17SEP05	10OCT05
VR2110	Butterfly V. Rd (WMT) Stage 3 - Sub-base	18	28JUN06	19JUL06	26SEP05	18OCT05
VR2120	Butterfly V. Rd (WMT) Stage 3 - Kerbs	18	06JUL06	26JUL06	04OCT05	25OCT05
VR2130	Butterfly V. Rd (WMT) Stage 3 - Pavement	6	27JUL06	03AUG06	26OCT05	01NOV05
VR2140	Butterfly V. Rd (WMT) Stage 3 - Street Lighting	4	04AUG06	08AUG06	02NOV05	05NOV05
VR2150	Butterfly V. Rd (WMT) Stage 3 - Road Marking	4	04AUG06	08AUG06	02NOV05	05NOV05
VR2200	Butterfly V. Rd (WMT) Stage4- Excav. & Formation	18	17AUG06	06SEP06	15NOV05	05DEC05
VR2210	Butterfly V. Rd (WMT) Stage 4 - Sub-base	18	24AUG06	13SEP06	22NOV05	12DEC05
VR2220	Butterfly V. Rd (WMT) Stage 4 - Kerbs	18	31AUG06	20SEP06	29NOV05	19DEC05
Wai Man Tsuen Fire Hydrant Pump House						
VH1000	Wai Man Tsuen F/H Pump House - Plate Load Test	6	21JUN06	27JUN06	27APR06	04MAY06
VH1010	Wai Man Tsuen F/H Pump House - Structure	60	06JUL06	14SEP06	05MAY06	15JUL06
VH1020	Wai Man Tsuen F/H Pump House - Waterproofing	12	15SEP06	29SEP06	11AUG06	24AUG06
VH1040	Wai Man Tsuen F/H Pump House - MVAC Works	48	15SEP06	13NOV06	17JUL06	11SEP06
VH2000	Fire Main - Pipework Along Maintenance Road	18	21JUN06	12JUL06	10OCT05	31OCT05
VH2005	Fire Main - Pipework to Piers P10/R & P14	18	13JUL06	03AUG06	05JAN06	25JAN06
VH2010	Fire Main - Valves & Connections	18	04AUG06	24AUG06	26JAN06	18FEB06
Landscape Works						
VX1000	Landscaping - Earthworks & Formation	24	04AUG06	31AUG06	22NOV05	19DEC05
VX1040	Landscaping - Soiling & Planting	24	01SEP06	29SEP06	20DEC05	18JAN06



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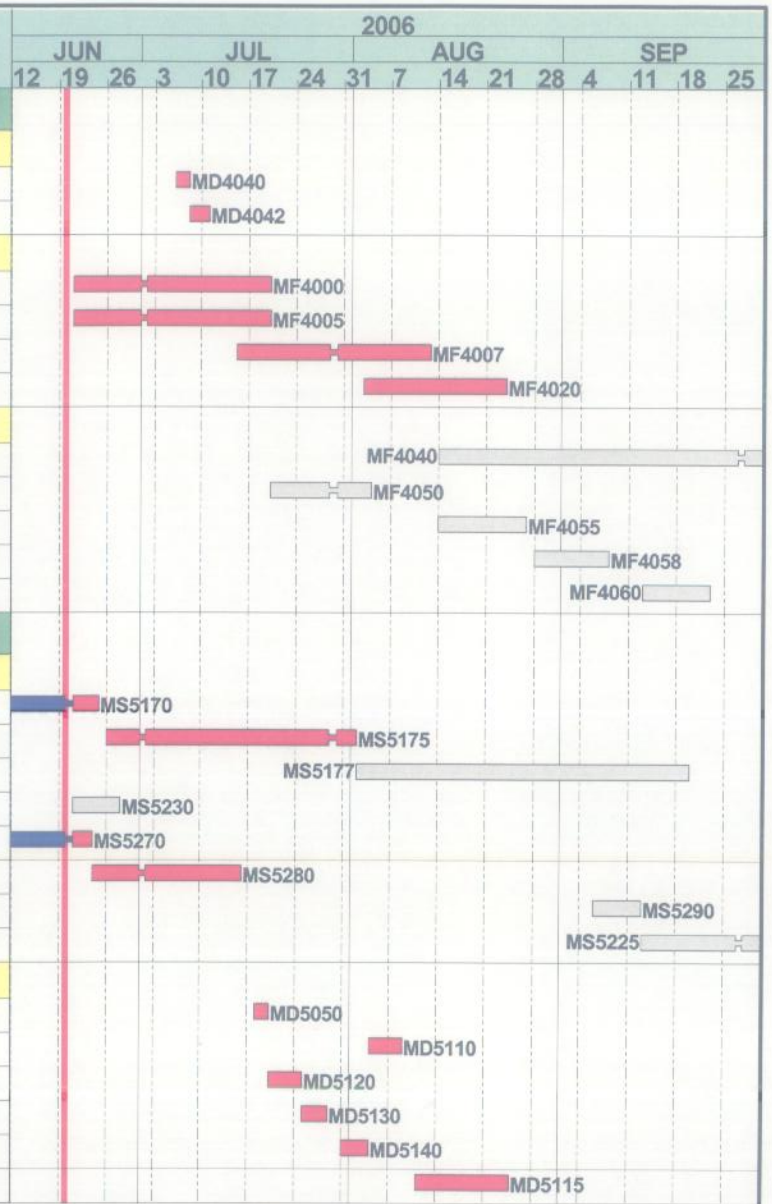
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
Viaduct - Main Line - Piers P16 to P18						
Main Line - Segmental Deck Construction (Crane)						
MD4040	C6 Slip C - 3 Segments Type B	2	06JUL06	07JUL06	15DEC05	16DEC05
MD4042	C6 Slip C to P17 Slip C - Insitu Stitch	2	08JUL06	10JUL06	17DEC05	19DEC05
Superstructure Finishing Works Required for TCSS						
MF4000	P16 to P18 - Parapets at P16 - P18 incl earthing	24	21JUN06	19JUL06	28DEC05	25JAN06
MF4005	P16 to P18 - Insitu Slab to Under Median Barrier	24	21JUN06	19JUL06	14DEC05	12JAN06
MF4007	P16 to P18 - Median Barrier (incl earthing)	24	15JUL06	12AUG06	09JAN06	08FEB06
MF4020	P16 to P18 - Provision for E & M and TCSS	18	03AUG06	23AUG06	26JAN06	18FEB06
Remaining Superstructure Finishing Works						
MF4040	P16 to P18 - Deck Drainage	48	14AUG06	10OCT06	26SEP06	23NOV06
MF4050	P16 to P18 - Top Rail to Parapets	12	20JUL06	03AUG06	05AUG06	18AUG06
MF4055	P16 to P18 - Install Movement Joints at P16/L&R	12	14AUG06	26AUG06	17AUG06	30AUG06
MF4058	P16 to P18 - Waterproofing of Deck	10	28AUG06	07SEP06	31AUG06	11SEP06
MF4060	P16 to P18 - Flexible Pavement	9	13SEP06	22SEP06	24OCT06	02NOV06
Viaduct - Main Line - Piers 19 to Abutment M						
Substructure						
MS5170	P21 - Pier Insitu Deck Segment	60	18APR06A	24JUN06	18APR06A	07FEB06
MS5175	P21 - Pier Head - Cure & Strip Falsework	30	26JUN06	01AUG06	08FEB06	14MAR06
MS5177	P21 - Slope Reinstatement	42	02AUG06	19SEP06	16SEP06	07NOV06
MS5230	Abutment M - Install Bearings	6	21JUN06	27JUN06	11JUL08	17JUL08
MS5270	Abutment M - Backfill Behind End Wall	24	15MAY06A	23JUN06	15MAY06A	27MAR06
MS5280	Abutment M - Ground Support For End PC Segments	18	24JUN06	15JUL06	28MAR06	18APR06
MS5290	Abutment M - Remove Ground Support For PC Segs	6	06SEP06	12SEP06	03OCT06	09OCT06
MS5225	Abutment M - Slope Reinstatement	24	13SEP06	12OCT06	10OCT06	07NOV06
Main Line - Segmental Deck Construction (Gantry)						
MD5050	Launch Gantry to P19/P20/P21	2	18JUL06	19JUL06	01MAR06	02MAR06
MD5110	P21 Slip C - 1st. Pair - 2 Segments Type B	4	04AUG06	08AUG06	17MAR06	21MAR06
MD5120	P21/L - 1st. Pair - 2 Segments Type A	4	20JUL06	24JUL06	03MAR06	07MAR06
MD5130	P21/R - 1st. Pair - 2 Segments Type A	4	25JUL06	28JUL06	08MAR06	11MAR06
MD5140	P21 Slip D - 1st. Pair - 2 Segments Type B	4	31JUL06	03AUG06	13MAR06	16MAR06
MD5115	P21 Slip C - 6 Segments Type B	12	11AUG06	24AUG06	24MAR06	07APR06



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MD5125	P21/L - 14 Segments Type A	13	10AUG06	24AUG06	23MAR06	07APR06
MD5135	P21/R - 16 Segments Type A	14	10AUG06	25AUG06	23MAR06	08APR06
MD5145	P21 Slip D - 6 Segments Type B	13	11AUG06	25AUG06	24MAR06	08APR06
MD5147	P21/L&R to P20/L&R - Insitu Stitches	6	26AUG06	01SEP06	10APR06	15APR06
MD5100	Launch Gantry Front Leg to Abut M	2	09AUG06	10AUG06	22MAR06	23MAR06
MD5159	Abut M/R - 1st. Segment Type A on Scaffold	3	09AUG06	11AUG06	22MAR06	24MAR06
MD5160	Abut M/R - 3 Type A Segments Type A on Scaffold	1	26AUG06	26AUG06	19APR06	19APR06
MD5169	Abut M/L - 1st. Segment Type A on Scaffold	3	09AUG06	11AUG06	22MAR06	24MAR06
MD5170	Abut M/L - 4 Segments Type A on Scaffold	1	26AUG06	26AUG06	19APR06	19APR06
MD5175	Abut M/L&R to P21/L&R - Insitu Stitches	3	02SEP06	05SEP06	20APR06	22APR06
MD5185	Gantry Demobilisation	24	06SEP06	05OCT06	10OCT06	07NOV06
Superstructure Finishing Works Required for TCSS						
MF5000	P19 to Abut M -Parapets P18 to Abut M & earthing	42	19AUG06	09OCT06	25MAR06	15MAY06
MF5005	P19 to Abut M - Insitu Slab Under Median Barrier	18	02SEP06	22SEP06	17APR06	08MAY06
MF5007	P19 to Abut M - Median Barrier (incl earthing)	18	09SEP06	30SEP06	24APR06	15MAY06
Viaduct - Main Line - Tunnel Approaches						
Noise Barriers & Encl' (Sec.10 Excision)						
MN6100	Semi Enclosure S/B Ch.2005 - 2200 - Frame	60	29AUG06	09NOV06	08DEC05	21FEB06
Remaining Noise Barriers & Enclosures						
MN8080	At Grade - 7m Reflective Barrier S/B Ch1789-1989	75	28AUG06	25NOV06	07AUG06	04NOV06
MN8100	At Grade - 5.5m Reflective Barrier Ch1799-1997	75	28AUG06	25NOV06	07AUG06	04NOV06
At Grade Works - Butterfly Valley						
Temporary Traffic Management Schemes						
QT2130	TTMS Slip RdD Deck@ CC Rd E/B - Site Preparation	2	21JUN06	22JUN06	16JUL08	17JUL08
Earthworks & Slope Works - 11NW-A/FR54 & F55						
QE2000	Slope 11NW-A/FR54 & FR55 - Remove Temp. Platform	18	21JUN06	12JUL06	21JUN05	12JUL05
QE2002	Slope 11NW-A/FR54 & FR55 - Retaining Wall -Bases	36	13JUL06	24AUG06	13JUL05	23AUG05
QE2004	Slope 11NW-A/FR54 & FR55 - Retaining Wall -Walls	48	11AUG06	07OCT06	10AUG05	06OCT05
QE2010	Slope 11NW-A/FR54 & FR55 - Install Temp Works	48	04AUG06	29SEP06	20JUL05	13SEP05
Utilities & Roadworks						
QR2000	WSD Access Road - New CLP 11Kv Cable Laying	36	13FEB06A	05JUL06	13FEB06A	07NOV05

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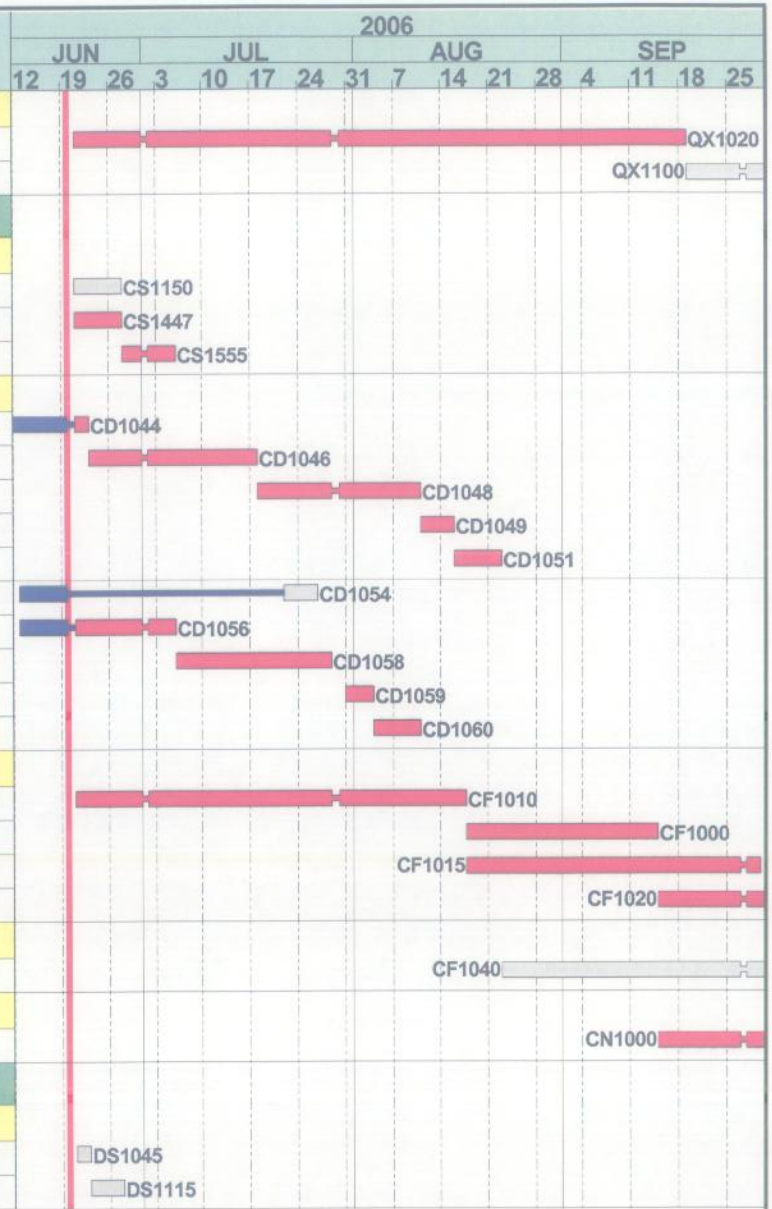
acciona Infraestructuras

Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
Landscape Works						
QX1020	Landscaping - Soiling & Planting on Slope CCR-S6	75	21JUN06*	18SEP06	21OCT05	18JAN06
QX1100	Landscape Establishment Works	301	19SEP06	18SEP07	04NOV06	03NOV07
Viaduct - Slip Road C						
Substructure						
CS1150	Abutment C - Install Bearings	6	21JUN06	19JUN06	16JUN08	14JUN08
CS1447	C5/L - C5/R Portal - Install Bearings	6	21JUN06	27JUN06	01DEC05	07DEC05
CS1555	C6/R & C6/L - Install Bearings on Portal Frame	6	28JUN06	05JUL06	08DEC05	14DEC05
Slip Road C - Insitu Deck Construction						
CD1044	Slip Rd. C - Deck Span C4 to C5 - Soffit	6	02JUN06A	22JUN06	02JUN06A	28OCT05
CD1046	Slip Rd. C - Deck Span C4 to C5 - 1st. Pour	20	23JUN06	17JUL06	29OCT05	21NOV05
CD1048	Slip Rd. C - Deck Span C4 to C5 - 2nd. Pour	20	18JUL06	10AUG06	22NOV05	14DEC05
CD1049	Slip Rd. C - Deck Span C4 to C5 - Stressing	4	11AUG06	15AUG06	15DEC05	19DEC05
CD1051	Slip Rd. C - Deck Span C4 to C5 - Cure & Strip	6	16AUG06	22AUG06	28JUN06	05JUL06
CD1054	Slip Rd. C - Deck Span C5 to C6 - Soffit	6	13JUN06A	26JUL06	13JUN06A	03OCT06
CD1056	Slip Rd. C - Deck Span C5 to C6 - 1st. Pour	20	13JUN06A	05JUL06	13JUN06A	05DEC05
CD1058	Slip Rd. C - Deck Span C5 to C6 - 2nd. Pour	20	06JUL06	28JUL06	06DEC05	29DEC05
CD1059	Slip Rd. C - Deck Span C5 to C6 - Stressing	4	31JUL06	03AUG06	30DEC05	04JAN06
CD1060	Slip Rd. C - Deck Span C5 to C6 - Cure & Strip	6	04AUG06	10AUG06	05JAN06	11JAN06
Superstructure Finishing Works Required for TCSS						
CF1010	Slip Rd. C - Parapets C2 to C4 (incl earthing)	48	21JUN06	17AUG06	25OCT05	19DEC05
CF1000	Slip Rd. C - Parapets - Abut. C to C2 + earthing	24	18AUG06	14SEP06	20DEC05	18JAN06
CF1015	Slip Rd. C - Parapets C4 to C6 (incl earthing)	36	18AUG06	29SEP06	20DEC05	04FEB06
CF1020	Slip Rd. C - Provision for E & M and TCSS	24	15SEP06	14OCT06	19JAN06	18FEB06
Remaining Superstructure Finishing Works						
CF1040	Slip Rd. C - Deck Drainage	50	23AUG06	23OCT06	04OCT06	01DEC06
Remaining Noise Barriers & Enclosures						
CN1000	Slip Rd. C - 3m Absorptive Barriers Ch.665 - 730	52	15SEP06	17NOV06	02AUG06	03OCT06
Viaduct - Slip Road D						
Substructure						
DS1045	Abutment D - Install Bearings	2	21JUN06	22JUN06	16JUN08	17JUN08
DS1115	D1 - Install Bearings	4	23JUN06	27JUN06	18JUN08	21JUN08



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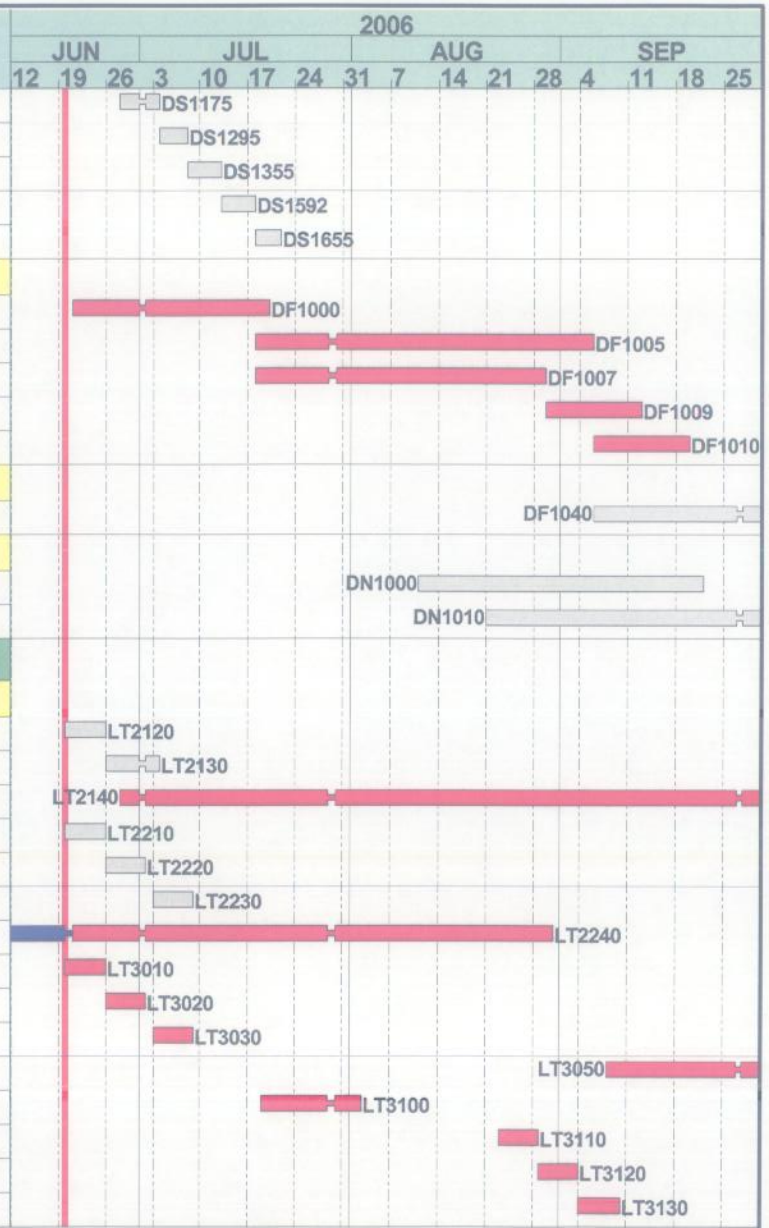
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
DS1175	D2 - Install Bearings	4	28JUN06	03JUL06	23JUN08	27JUN08
DS1295	D4 - Install Bearings	4	04JUL06	07JUL06	28JUN08	03JUL08
DS1355	D5 - Install Bearings	4	08JUL06	12JUL06	04JUL08	08JUL08
DS1592	D9 - Install Bearings	4	13JUL06	17JUL06	09JUL08	12JUL08
DS1655	D10 - Install Bearings	4	18JUL06	21JUL06	14JUL08	17JUL08
Superstructure Finishing Works Required for TCSS						
DF1000	Slip Rd. D - Parapets D10 to D8 (incl earthing)	24	21JUN06	19JUL06	05JAN06	04FEB06
DF1005	Slip Rd. D -Parapets D4 to Abut D (incl earthing	42	18JUL06	05SEP06	13DEC05	04FEB06
DF1007	Slip Rd. D -Parapets D4 to D8 (incl earthing)	36	18JUL06	29AUG06	20DEC05	04FEB06
DF1009	Slip Rd. D - Sign Gantry ADS4 at D6	12	30AUG06	12SEP06	06FEB06	18FEB06
DF1010	Slip Rd. D - Provision for E & M and TCSS	12	06SEP06	19SEP06	06FEB06	18FEB06
Remaining Superstructure Finishing Works						
DF1040	Slip Rd. D - Deck Drainage	24	06SEP06	05OCT06	04NOV06	01DEC06
Remaining Noise Barriers & Enclosures						
DN1000	Slip Rd. D - 3.5m Reflective Barrier Ch.805-881	36	11AUG06	21SEP06	21OCT06	01DEC06
DN1010	Slip Rd. D - 3m Reflective Barriers Ch.680 - 805	36	21AUG06	03OCT06	21OCT06	01DEC06
Lai Wan Road Overpass						
Temporary Traffic Management Schemes						
LT2120	TTMS LW Rd (for W/B Deck) - Roadworks Advice	6	20JUN06	25JUN06	05JUL08	10JUL08
LT2130	TTMS LW Rd (for W/B Deck) - Site Preparation	6	26JUN06	03JUL06	11JUL08	17JUL08
LT2140	TTMS LW Rd (for W/B Deck) - Implementation	84*	28JUN06	07OCT06	24SEP05	28FEB06
LT2210	TTMS LW Rd (for E/B Deck) - CRE Endorsement	6	20JUN06	25JUN06	29JUN08	04JUL08
LT2220	TTMS LW Rd (for E/B Deck) - Roadworks Advice	6	26JUN06	01JUL06	05JUL08	10JUL08
LT2230	TTMS LW Rd (for E/B Deck) - Site Preparation	6	03JUL06	08JUL06	11JUL08	17JUL08
LT2240	TTMS LW Rd (for E/B Deck) - Implementation	230*	24NOV05A	30AUG06	24NOV05A	28FEB06
LT3010	TTMS CC Rd (on W/B Deck) - CRE Endorsement	6	20JUN06	25JUN06	17NOV05	22NOV05
LT3020	TTMS CC Rd (on W/B Deck) - Roadworks Advice	6	26JUN06	01JUL06	23NOV05	28NOV05
LT3030	TTMS CC Rd (on W/B Deck) - Site Preparation	6	03JUL06	08JUL06	29NOV05	05DEC05
LT3050	TTMS CC Rd (on W/B Deck) - Implementation	120*	08SEP06	31JAN07	06DEC05	24AUG06
LT3100	TTMS CC Rd (on E/B Deck) - Prepare for Review	12	19JUL06	02AUG06	04AUG05	17AUG05
LT3110	TTMS CC Rd (on E/B Deck) - CRE Endorsement	6	23AUG06	28AUG06	05AUG06	10AUG06
LT3120	TTMS CC Rd (on E/B Deck) - Roadworks Advice	6	29AUG06	03SEP06	11AUG06	16AUG06
LT3130	TTMS CC Rd (on E/B Deck) - Site Preparation	6	04SEP06	09SEP06	17AUG06	23AUG06



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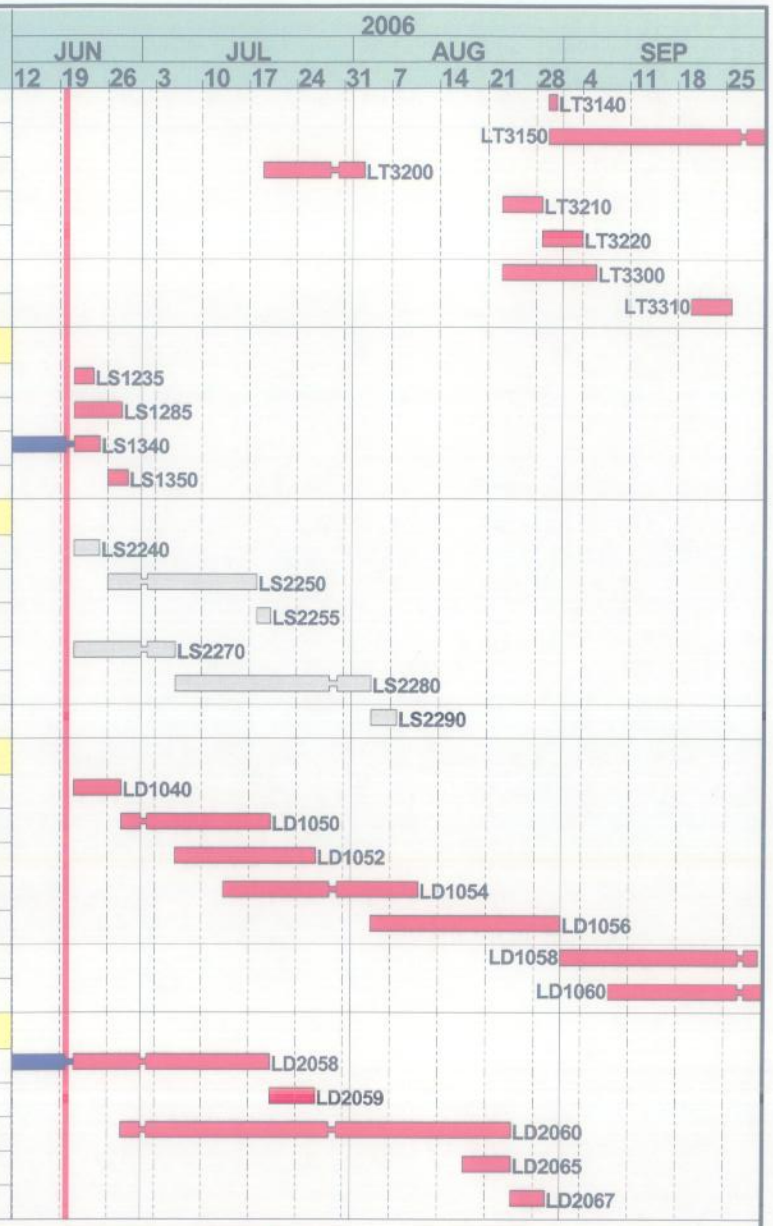
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
LT3140	Divert 1No. Lane to New East Bound Bridge	1	30AUG06	30AUG06	28FEB06	28FEB06
LT3150	TTMS CC Rd (on E/B Deck) - Implementation	62*	30AUG06	13NOV06	28FEB06	24AUG06
LT3200	TTMS CC Rd (on Both Decks) - Prepare for Review	12	19JUL06	02AUG06	04AUG05	17AUG05
LT3210	TTMS CC Rd (on Both Decks) - CRE Endorsement	6	23AUG06	28AUG06	07AUG06	12AUG06
LT3220	TTMS CC Rd (on Both Decks) - Roadworks Advice	6	29AUG06	03SEP06	13AUG06	18AUG06
LT3300	TTMS CC Rd (on Both Decks) - Prepare for Review	12	23AUG06	05SEP06	01SEP05	14SEP05
LT3310	TTMS CC Rd (on Both Decks) - CRE Endorsement	6	20SEP06	25SEP06	31AUG06	05SEP06
West Bound - Substructure						
LS1235	D13 - Install Bearings	3	21JUN06	23JUN06	06OCT05	08OCT05
LS1285	D14 - Install Bearings	6	21JUN06	27JUN06	03OCT05	08OCT05
LS1340	Abutment DA2 - Bearing Shelf & Walls	18	17MAY06A	24JUN06	17MAY06A	08OCT05
LS1350	Abutment DA2 - Install Bearings	3	26JUN06	28JUN06	28OCT05	31OCT05
East Bound - Substructure						
LS2240	C14 - Backfill & Remove Temporary Works	4	21JUN06	24JUN06	18JUN08	21JUN08
LS2250	C14 - Pier (incl. Pier Head)	18	26JUN06	17JUL06	23JUN08	15JUL08
LS2255	C14 - Install Bearings	2	18JUL06	19JUL06	16JUL08	17JUL08
LS2270	Abutment CA2 - Footing	12	21JUN06	05JUL06	31MAY08	13JUN08
LS2280	Abutment CA2 - Bearing Shelf & Walls	24	06JUL06	03AUG06	14JUN08	14JUL08
LS2290	Abutment CA2 - Install Bearings	3	04AUG06	07AUG06	15JUL08	17JUL08
West Bound - Insitu Deck						
LD1040	Lai Wan O/pass W/B - Demolish F/p for Stage 3	6	21JUN06	27JUN06	16SEP05	23SEP05
LD1050	Lai Wan O/pass W/B - Span St.3 - Ground Prep.	18	28JUN06	19JUL06	24SEP05	17OCT05
LD1052	Lai Wan O/pass W/B - Span St.3 - Falsework	18	06JUL06	26JUL06	03OCT05	24OCT05
LD1054	Lai Wan O/pass W/B - Span St.3 - Soffit	24	13JUL06	10AUG06	10OCT05	07NOV05
LD1056	Lai Wan O/pass W/B - Span St.3 - 1st. Pour	24	04AUG06	31AUG06	01NOV05	28NOV05
LD1058	Lai Wan O/pass W/B - Span St.3 - 2nd. Pour	24	01SEP06	29SEP06	29NOV05	27DEC05
LD1060	Lai Wan Overpass W/B - Parapets	48	08SEP06	06NOV06	06DEC05	04FEB06
East Bound - Insitu Deck						
LD2058	Lai Wan O/Pass E/B - Span St.3 - 2nd. Pour	24	15APR06A	19JUL06	15APR06A	04JAN06
LD2059	Lai Wan O/Pass E/B - Span St.3 - Stressing	6	20JUL06	26JUL06	05JAN06	11JAN06
LD2060	Lai Wan O/Pass E/B - Insitu Span - Parapets	48	28JUN06	24AUG06	13DEC05	11FEB06
LD2065	Lai Wan O/Pass E/B - Movement Joints at CA1&2	6	18AUG06	24AUG06	16FEB06	22FEB06
LD2067	Lai Wan O/Pass E/B - Flexible Pavement	4	25AUG06	29AUG06	23FEB06	27FEB06



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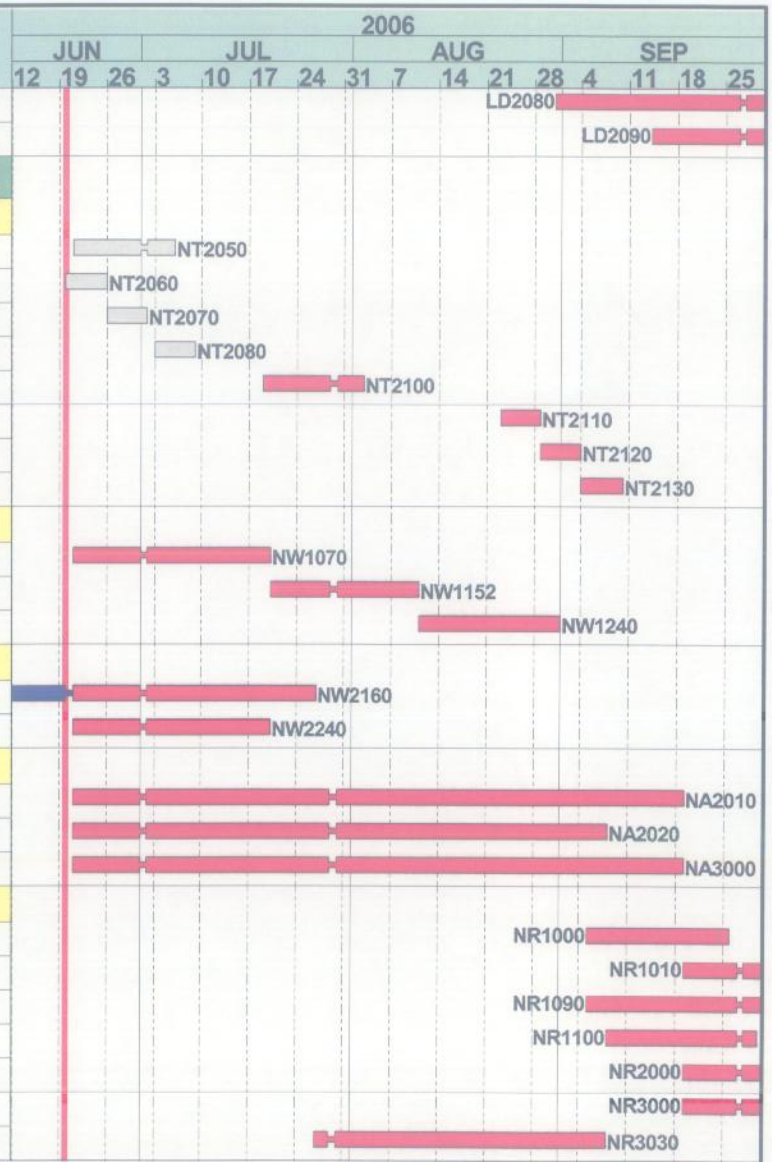
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
LD2080	Lai Wan O/Pass E/B - Demolish Existing Flanges	36	31AUG06	13OCT06	01MAR06	12APR06
LD2090	Lai Wan O/Pass E/B - Construct New Flanges	48	14SEP06	11NOV06	15MAR06	11MAY06
At Grade Works - Ching Cheung Road at LCK Park						
Temporary Traffic Management Schemes						
NT2050	2nd. TTMS CC Rd (E/B C/Way) - Prepare for Review	12	21JUN06	05JUL06	04JUL08	17JUL08
NT2060	2nd. TTMS CC Rd (E/B C/Way) - CRE Endorsement	6	20JUN06	25JUN06	06NOV06	11NOV06
NT2070	2nd. TTMS CC Rd (E/B C/Way) - Roadworks Advice	6	26JUN06	01JUL06	12NOV06	17NOV06
NT2080	2nd. TTMS CC Rd (E/B C/Way) - Site Preparation	6	03JUL06	08JUL06	18NOV06	24NOV06
NT2100	3rd. TTMS CC Rd (E/B C/Way) - Prepare for Review	12	19JUL06	02AUG06	04AUG05	17AUG05
NT2110	3rd. TTMS CC Rd (E/B C/Way) - CRE Endorsement	6	23AUG06	28AUG06	07AUG06	12AUG06
NT2120	3rd. TTMS CC Rd (E/B C/Way) - Roadworks Advice	6	29AUG06	03SEP06	13AUG06	18AUG06
NT2130	3rd. TTMS CC Rd (E/B C/Way) - Site Preparation	6	04SEP06	09SEP06	19AUG06	25AUG06
Retaining Wall CCR-R1 West Bound						
NW1070	W/B Ret. Wall CCR-R1A East - Parapet on Wall	24	21JUN06	19JUL06	01NOV05	28NOV05
NW1152	W/B Ret. Wall CCR-R1B - Parapet on Wall	18	20JUL06	10AUG06	29NOV05	19DEC05
NW1240	W/B Ret. Wall CCR-R1A West - Parapet on Wall	18	11AUG06	31AUG06	20DEC05	11JAN06
Retaining Wall CCR-R1 East Bound						
NW2160	W/B Ret. Wall CCR-R1D -Parapets on Wall	60	08MAY06A	26JUL06	08MAY06A	04JAN06
NW2240	W/B Ret. Wall CCR-R1E - Parapets on Wall	24	21JUN06	19JUL06	06DEC05	04JAN06
Drainage Works						
NA2010	C.C. Rd. W/B in New C/way - S/water Drainage E3	75	21JUN06	18SEP06	14OCT05	11JAN06
NA2020	C.C. Rd. W/B in New C/way - S/water Drainage J2	66	21JUN06	07SEP06	25OCT05	11JAN06
NA3000	C.C. Rd. E/B in New C/way - Stormwater Drainage	75	21JUN06	18SEP06	06OCT05	04JAN06
Utilities & Roadworks						
NR1000	C.C. Rd. W/B in Portion E3 - Formation	18	05SEP06	25SEP06	28DEC05	18JAN06
NR1010	C.C. Rd. W/B in Portion E3 - Sub-base	12	19SEP06	04OCT06	12JAN06	25JAN06
NR1090	C.C. Rd. W/B in Portion J2 - Sign Gantry	24	05SEP06	04OCT06	19JAN06	18FEB06
NR1100	C.C. Rd. W/B Portion J2 - Formation	18	08SEP06	29SEP06	12JAN06	04FEB06
NR2000	C.C. Rd. E/B - Foundations to Sign Gantry ADS3	18	19SEP06	11OCT06	05JAN06	25JAN06
NR3000	C.C. Rd. E/B - Formation	24	19SEP06	18OCT06	25MAY06	22JUN06
NR3030	C.C. Rd. E/B - E & M and TCSS Provision	36	27JUL06	07SEP06	05JAN06	18FEB06



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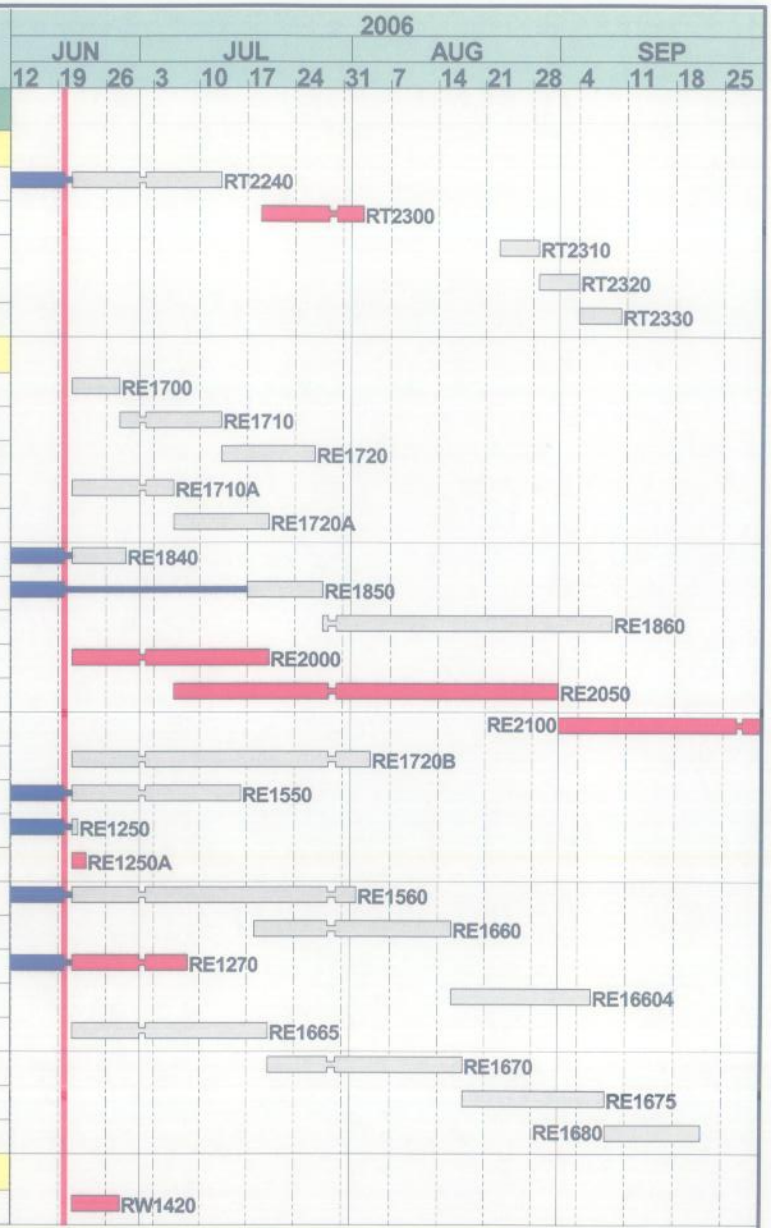
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
At Grade Work - Ching Cheung Road - Main Section						
Temporary Traffic Management Schemes						
RT2240	3rd. TTMS CC Rd (Slewing) - Implementation	462*	28DEC04A	12JUL06	28DEC04A	01DEC06
RT2300	4th. TTMS CC Rd E/B C/Way - Prepare for Review	12	19JUL06	02AUG06	04AUG05	17AUG05
RT2310	4th. TTMS CC Rd E/B C/Way - CRE Endorsement	6	23AUG06	28AUG06	01OCT06	06OCT06
RT2320	4th. TTMS CC Rd E/B C/Way - Roadworks Advice	6	29AUG06	03SEP06	07OCT06	12OCT06
RT2330	4th. TTMS CC Rd E/B C/Way - Site Preparation	6	04SEP06	09SEP06	13OCT06	19OCT06
Earthworks & Slope Works - CCR-S1, S2 & S3						
RE1700	Slope CCR-S1E - Finish Seed & Planting +62.3mPD	6	21JUN06*	27JUN06	28OCT06	03NOV06
RE1710	Slope CCR-S1E - Finish Seed & Planting +54.8mPD	12	28JUN06	12JUL06	04NOV06	17NOV06
RE1720	Slope CCR-S1E - Finish Seed & Planting +47.3mPD	12	13JUL06	26JUL06	18NOV06	01DEC06
RE1710A	Slope CCR-S1C- Finish Seed & Planting +54.9mPD	12	21JUN06	05JUL06	04NOV06	17NOV06
RE1720A	Slope CCR-S1C - Finish Seed & Planting +47.3mPD	12	06JUL06	19JUL06	18NOV06	01DEC06
RE1840	Slope CCR-S1E&C- Rock Stabilisation to +25.4mPD	48	24OCT05A	28JUN06	24OCT05A	19SEP06
RE1850	Slope CCR-S1E&C - Drainage to Level +25.4mPD	48	24JAN06A	27JUL06	24JAN06A	19OCT06
RE1860	Slope CCR-S1E&C- Finish Seed & Planting to +25.4	36	28JUL06	08SEP06	21OCT06	01DEC06
RE2000	Slope CCR-S2 -Excavate Rock to Formation	24	21JUN06	19JUL06	25OCT05	21NOV05
RE2050	Slope CCR-S2 - Rock Stabilisation	48	06JUL06	31AUG06	06MAY06	03JUL06
RE2100	Slope CCR-S2 - Drainage	42	01SEP06	23OCT06	04JUL06	22AUG06
RE1720B	Slope CCR-S1W - Seed & Planting to +39.95mPD	36	21JUN06	03AUG06	21OCT06	01DEC06
RE1550	Slope CCR-S1W - Rock Stabilisation to 24.9mPD	54	24OCT05A	15JUL06	24OCT05A	17JUL08
RE1250	Slope CCR-S1W - Bulk Excavate to Level +19.0mPD	18	25NOV05A	21JUN06	25NOV05A	17JUL08
RE1250A	Slope CCR-S1W -Detailed Excavate to Level +19.0m	18	21JUN06	22JUN06	03JAN06	04JAN06
RE1560	Slope CCR-S1W - Rock Stabilisation to 19.0mPD	48	10MAY06A	01AUG06	10MAY06A	12OCT06
RE1660	Slope CCR-S1W - Drainage to Level +19.0mPD	24	18JUL06	15AUG06	28SEP06	27OCT06
RE1270	Slope CCR-S1W - Excavate to Lai Wan Road O/pass	18	10MAY06A	07JUL06	10MAY06A	04JAN06
RE16604	Slope CCR-S1W - Drainage to Level +16.8mPD	18	16AUG06	05SEP06	28OCT06	17NOV06
RE1665	Slope CCR-S1W - Seed & Planting to +32.4mPD	24	21JUN06	19JUL06	30AUG06	26SEP06
RE1670	Slope CCR-S1W - Seed & Planting to +24.9mPD	24	20JUL06	17AUG06	28SEP06	27OCT06
RE1675	Slope CCR-S1W - Seed & Planting to +19.0mPD	18	18AUG06	07SEP06	28OCT06	17NOV06
RE1680	Slope CCR-S1W - Seed & Planting to +16.8mPD	12	08SEP06	21SEP06	18NOV06	01DEC06
Retaining Wall CCR-R2 (Value Engineering Design)						
RW1420	Ch 00.00 to 02.13 - Mass Concrete Facing Wall	6	21JUN06	27JUN06	17APR06	22APR06



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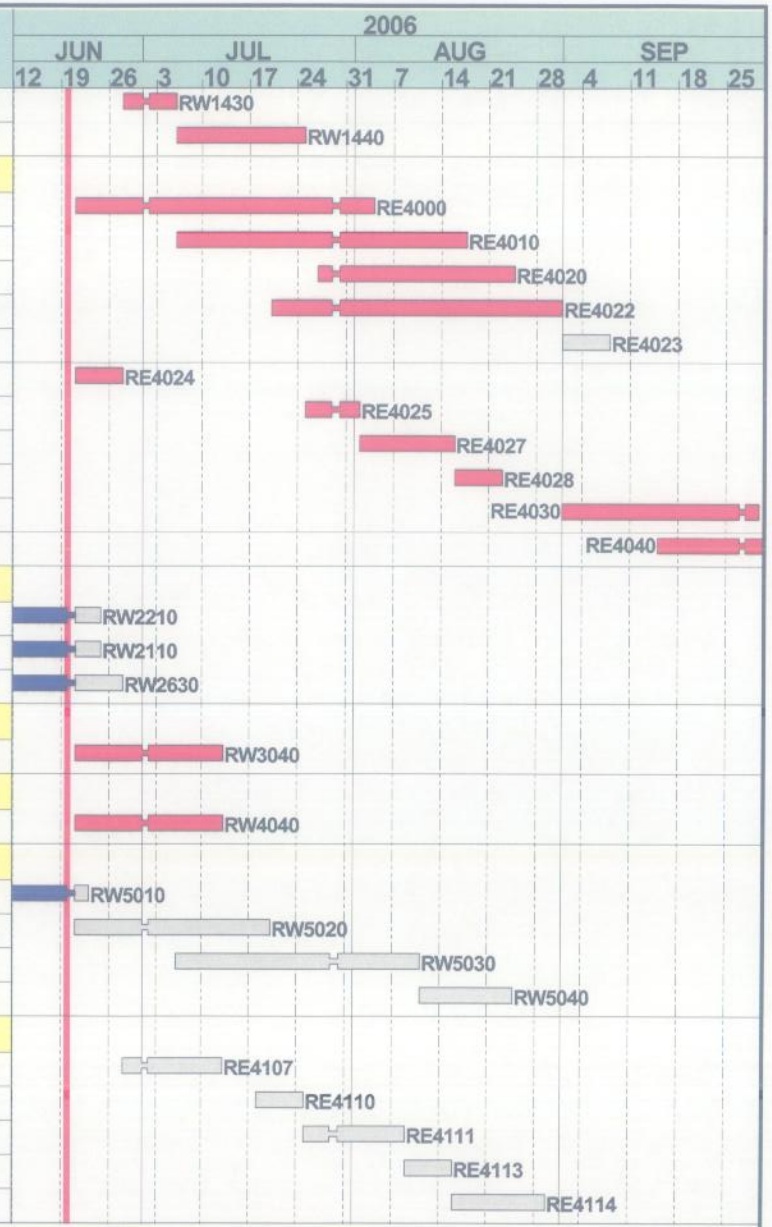
RW1430	Ch 00.00 to 02.13 - Retaining Wall Base Slabs	6	28JUN06	05JUL06	24APR06	29APR06
RW1440	Ch 00.00 to 02.13 - Retaining Wall Stem & Coping	16	06JUL06	24JUL06	02MAY06	19MAY06
Slope Works Above Retaining Wall CCR-R2						
RE4000	Ch 00.00 to 78.27 - Excavate in Benches	36	21JUN06	03AUG06	18OCT05	28NOV05
RE4010	Ch 00.00 to 78.27 - Filter Layer	36	06JUL06	17AUG06	01NOV05	12DEC05
RE4020	Ch 02.13 to 41.71 - General Filling & Compaction	24	27JUL06	24AUG06	22NOV05	19DEC05
RE4022	Ch 50.71 to 78.27 - General Filling & Compaction	36	20JUL06	31AUG06	06MAY06	16JUN06
RE4023	Remove Access Road	6	01SEP06	07SEP06	11JUL08	17JUL08
RE4024	Ch 41.71 to 50.71 - General Filling & Compaction	6	21JUN06	27JUN06	10JUN06	16JUN06
RE4025	Ch 00.00 to 2.13 - General Filling & Compaction	6	25JUL06	01AUG06	20MAY06	26MAY06
RE4027	Excavate & Demolish Existing Retaining Wall	12	02AUG06	15AUG06	27MAY06	09JUN06
RE4028	Fill & Compact to Form Toe of Berm	6	16AUG06	22AUG06	10JUN06	16JUN06
RE4030	Slope Drainage above R/W CCR-R2	24	01SEP06	29SEP06	17JUN06	17JUL06
RE4040	Slope Finishes above R/W CCR-R2	24	15SEP06	14OCT06	04JUL06	01AUG06
Retaining Wall CCR-R3 Type D, E & F						
RW2210	Ret. Wall CCR-R3F - Stem Walls	48	30NOV05A	24JUN06	30NOV05A	10JUL06
RW2110	Ret. Wall CCR-R3E - Stem Walls	18	06MAR06A	24JUN06	06MAR06A	10JUL06
RW2630	Ret. Wall CCR-R3D - Stem Walls	24	22APR06A	27JUN06	22APR06A	24JUL06
Retaining Wall CCR-R3 Type A						
RW3040	Ret. Wall CCR-R3A - Backfill & Form Platform	18	21JUN06	12JUL06	29NOV05	19DEC05
Retaining Wall CCR-R3 Type B						
RW4040	Ret. Wall CCR-R3B - Backfill & Form Platform	18	21JUN06	12JUL06	29NOV05	19DEC05
Retaining Wall CCR-R3 Type C						
RW5010	Ret. Wall CCR-R3C - Temporay Works & Excavation	24	25JAN06A	22JUN06	25JAN06A	01DEC06
RW5020	Ret. Wall CCR-R3C - Bases	24	21JUN06	19JUL06	18JUL06	15AUG06
RW5030	Ret. Wall CCR-R3C - Walls	30	06JUL06	10AUG06	02AUG06	05SEP06
RW5040	Ret. Wall CCR-R3C - Backfill & Remove Temp Works	12	11AUG06	24AUG06	06SEP06	19SEP06
Slope Works Above Retaining Walls CCR-R3D, E & F						
RE4107	Slope above CCR-R3D-Excavate Slope	12	28JUN06	12JUL06	25JUL06	08AUG06
RE4110	Slope above CCR-R3D- Filter - Bottom to 1st Berm	6	18JUL06	24JUL06	09AUG06	15AUG06
RE4111	Slope above CCR-R3D- Rockfill - Bt'm to 1st Berm	12	25JUL06	08AUG06	16AUG06	29AUG06
RE4113	Slope above CCR-R3D- Filter - 1st Berm to F/Path	6	09AUG06	15AUG06	30AUG06	05SEP06
RE4114	Slope above CCR-R3D- Rockfill-1st Berm to F/Path	12	16AUG06	29AUG06	06SEP06	19SEP06



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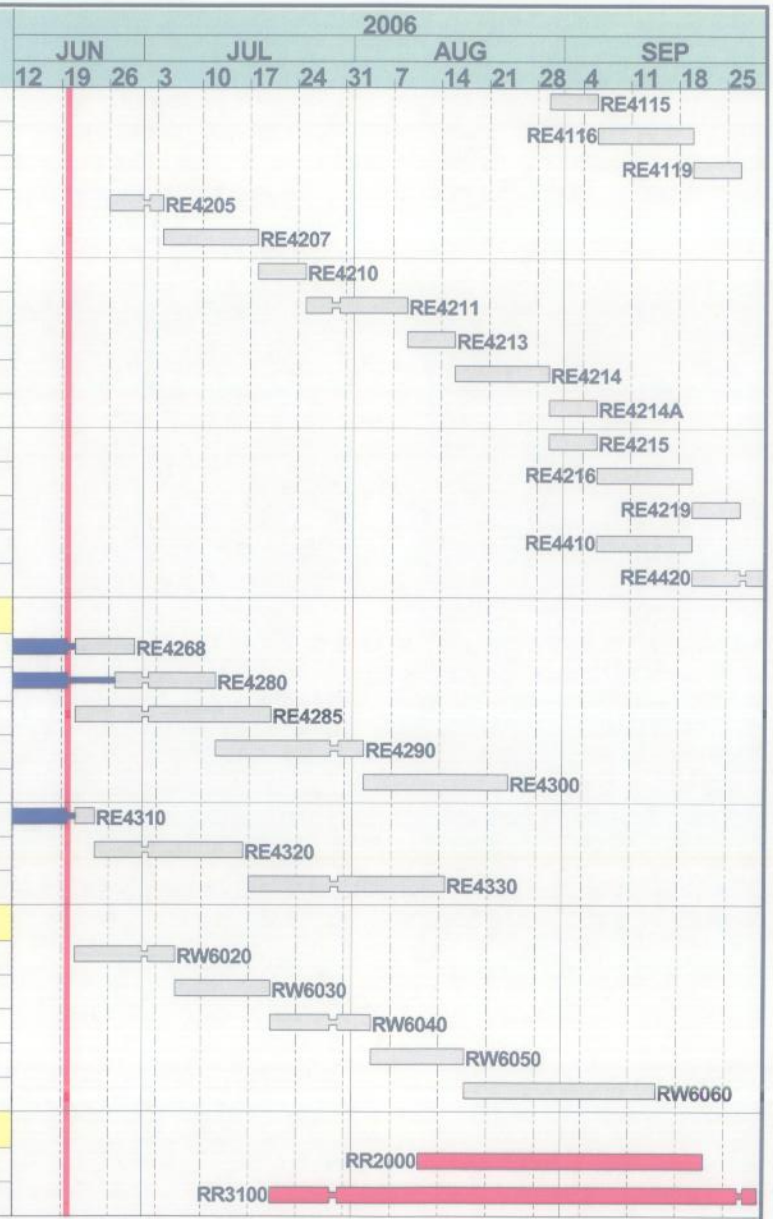
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
RE4115	Slope above CCR-R3D- Filter - F/Path to 3rd Berm	6	30AUG06	05SEP06	20SEP06	26SEP06
RE4116	Slope above CCR-R3D - Rockfill-F/Path to3rd Berm	12	06SEP06	19SEP06	28SEP06	12OCT06
RE4119	Slope above CCR-R3D- Filter - 3rd Berm to Top	6	20SEP06	26SEP06	13OCT06	19OCT06
RE4205	Slope above CCR-R3E&F -Remove Piling Platform	6	26JUN06	03JUL06	11JUL06	17JUL06
RE4207	Slope above CCR-R3E&F -Excavate Slope	12	04JUL06	17JUL06	18JUL06	01AUG06
RE4210	Slope above CCR-R3E&F- Filter - Btm. to 1st Berm	6	18JUL06	24JUL06	02AUG06	08AUG06
RE4211	Slope above CCR-R3E&F -Rockfill-Bt'm to 1st Berm	12	25JUL06	08AUG06	09AUG06	22AUG06
RE4213	Slope above CCR-R3E&F -Filter-1st Berm to +24mPD	6	09AUG06	15AUG06	23AUG06	29AUG06
RE4214	Slope above CCR-R3E&F-Rockfil-1st Berm to +24mPD	12	16AUG06	29AUG06	30AUG06	12SEP06
RE4214A	Slope above CCR-R3E&F- Form Crane Platform	6	30AUG06	05SEP06	13SEP06	19SEP06
RE4215	Slope above CCR-R3E&F-Filter- +24mPD to 3rd Berm	6	30AUG06	05SEP06	20SEP06	26SEP06
RE4216	Slope above CCR-R3E&F -Rockfil-+24mPD to3rd Berm	12	06SEP06	19SEP06	28SEP06	12OCT06
RE4219	Slope above CCR-R3E&F- Filter - 3rd Berm to Top	6	20SEP06	26SEP06	13OCT06	19OCT06
RE4410	Slope Above CC Rest Garden - Excavate Slope	12	06SEP06	19SEP06	20SEP06	05OCT06
RE4420	Slope Above CC Rest Garden - Benching	12	20SEP06	05OCT06	06OCT06	19OCT06
Earthworks & Slope Works - CCR-S4						
RE4268	Slope CCR-S4 - Excavate & Bench Upper Slope	48	03JAN06A	29JUN06	03JAN06A	17JUL08
RE4280	Slope CCR-S4 - Fill and Compact	24	23FEB06A	11JUL06	23FEB06A	01AUG06
RE4285	Slope CCR-S4 - Form New Access Road at Footpath	24	21JUN06	19JUL06	18JUN08	17JUL08
RE4290	Slope CCR-S4 - Upper Slope Drainage	18	12JUL06	02AUG06	02AUG06	22AUG06
RE4300	Slope CCR-S4 - Upper Slope Finishes	18	03AUG06	23AUG06	23AUG06	12SEP06
RE4310	Slope CCR-S4 - Excavate Lower Slope	24	01MAR06A	23JUN06	01MAR06A	12OCT06
RE4320	Slope CCR-S4 - Lower Slope Drainage	18	24JUN06	15JUL06	13OCT06	03NOV06
RE4330	Slope CCR-S4 - Lower Slope Finishes	24	17JUL06	14AUG06	04NOV06	01DEC06
Ching Cheung Road NTMM Retaining Wall A						
RW6020	NNTM Wall A - Drainage & Fill Behind Walls	12	21JUN06	05JUL06	25JUL06	08AUG06
RW6030	NNTM Wall A - Excavate to +20.5mPD	12	06JUL06	19JUL06	09AUG06	22AUG06
RW6040	NNTM Wall A - Debris Callection Area Drainage	12	20JUL06	03AUG06	23AUG06	05SEP06
RW6050	NNTM Wall A - Debris Callection Area Access Ramp	12	04AUG06	17AUG06	06SEP06	19SEP06
RW6060	NNTM Wall A - Debris Callection Area Finishes	24	18AUG06	14SEP06	20SEP06	19OCT06
Drainage Works						
RR2000	Ching Cheung Rd. W/B - Stormwater in New C/way	36	11AUG06	21SEP06	06DEC05	18JAN06
RR3100	Ching Cheung Rd. E/B -S/Water S300-01 to S300-07	60	20JUL06	29SEP06	30MAR06	09JUN06



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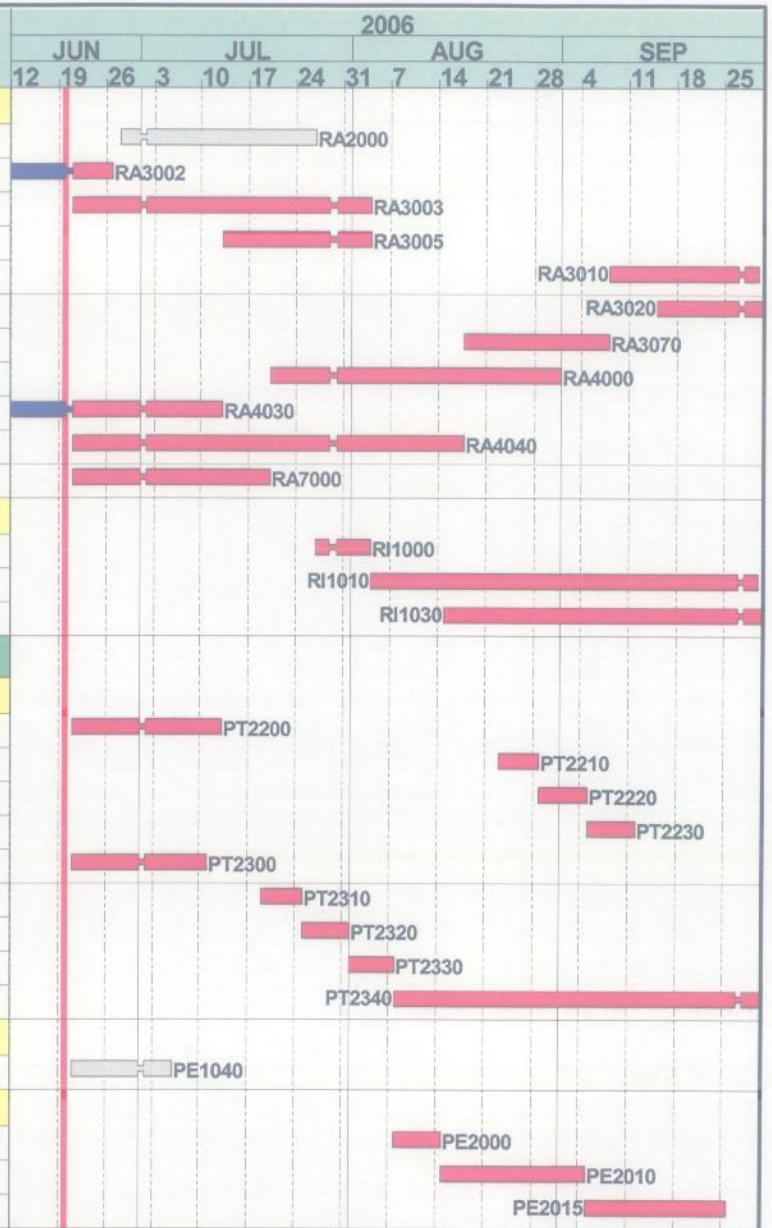
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
Utilities & Roadworks						
RA2000	Lai Wan Road - Footpath below Slope CCR-S4	24	28JUN06	26JUL06	04NOV06	01DEC06
RA3002	Ching Cheung Rd. W/B New C/Way -N/B Founds Walls	72	07FEB06A	26JUN06	07FEB06A	12NOV05
RA3003	Ching Cheung Rd. W/B New C/Way - Filling	36	21JUN06	03AUG06	08NOV05	19DEC05
RA3005	Ching Cheung Rd. W/B - S/Gantry FADS4 Founds	18	13JUL06	03AUG06	23DEC05	14JAN06
RA3010	Ching Cheung Rd. W/B New C/Way - Formation	18	08SEP06	29SEP06	05JAN06	25JAN06
RA3020	Ching Cheung Rd. W/B New C/Way - Sub-base	18	15SEP06	07OCT06	12JAN06	04FEB06
RA3070	Ching Cheung Rd. New E/B -Sign Gantry DS3 Founds	18	18AUG06	07SEP06	05JAN06	25JAN06
RA4000	Ching Cheung Rd. New E/B Slip Road - E&M +TCSS	36	20JUL06	31AUG06	05JAN06	18FEB06
RA4030	Ching Cheung Rd. New E/B - N/B Founds Base	75	20MAR06A	12JUL06	20MAR06A	28NOV05
RA4040	Ching Cheung Rd. New E/B - Fill Behind N/B Base	48	21JUN06	17AUG06	08NOV05	04JAN06
RA7000	Lai Wan Road - Watermains & Hydrants FH4 & FH5	24	21JUN06	19JUL06	02MAR06	29MAR06
Lai Wan Overpass Irrigation Pump House						
RI1000	Lai Wan O/pass Irig Pump House - Plate Load Test	6	27JUL06	03AUG06	13MAY06	19MAY06
RI1010	Lai Wan O/pass Irig Pump House - Structure	48	04AUG06	29SEP06	20MAY06	17JUL06
RI1030	Lai Wan O/pass Irig Pump House - Building Works	75	15AUG06	13NOV06	31MAY06	29AUG06
At Grade Works - Butterfly Valley Interchange						
Temporary Traffic Management Schemes						
PT2200	TTMS CP Rd-KC S/B for Paving -Prepare for Review	18	21JUN06	12JUL06	04AUG05	24AUG05
PT2210	TTMS CP Rd-KC S/B for Paving - CRE Endorsement	6	23AUG06	28AUG06	13AUG06	18AUG06
PT2220	TTMS CP Rd-KC S/B for Paving - Roadworks Advice	7	29AUG06	04SEP06	19AUG06	25AUG06
PT2230	TTMS CP Rd-KC S/B for Paving - Site Preparation	6	05SEP06	11SEP06	26AUG06	01SEP06
PT2300	TTMS CP Rd-KC N/B for 11NW-A/C66-Prep for Review	16	21JUN06	10JUL06	04JUL05	21JUL05
PT2310	TTMS CP Rd-KC N/B for 11NW-A/C66 - CRE Endorse	6	19JUL06	24JUL06	21MAY06	26MAY06
PT2320	TTMS CP Rd-KC N/B for 11NW-AC66 - Roadwks Advice	7	25JUL06	31JUL06	27MAY06	02JUN06
PT2330	TTMS CP Rd-KC N/B for 11NW-A/C66 - Site Prepare	6	01AUG06	07AUG06	03JUN06	09JUN06
PT2340	TTMS CP Rd-KC N/B for 11NW-A/C66 - Implement	144*	08AUG06	27JAN07	10JUN06	01DEC06
Earthworks & Slopeworks - 11NW-A/C26						
PE1040	Slope 11NW-A/C26 - Finishing Works	12	21JUN06	05JUL06	18NOV06	01DEC06
Earthworks & Slopeworks - 11NW-A/C66						
PE2000	Slope 11NW-A/C66 - Hoardings / Fencing	6	08AUG06	14AUG06	10JUN06	16JUN06
PE2010	Slope 11NW-A/C66 - Trim Slope	18	15AUG06	04SEP06	17JUN06	10JUL06
PE2015	Slope 11NW-A/C66 - Platform for Soil Nailing	18	05SEP06	25SEP06	11JUL06	01AUG06



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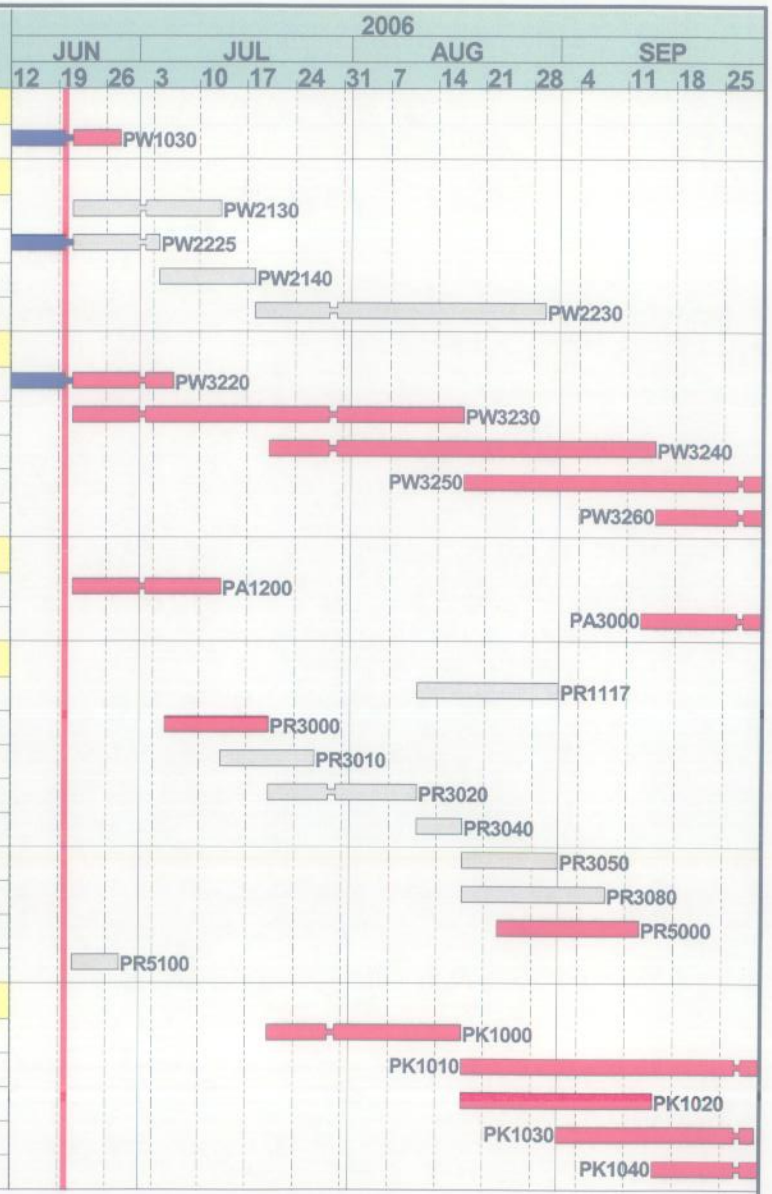
Activity ID	Activity Description	Orig. Durn.	Early Start	Early Finish	Late Start	Late Finish
Retaining Wall CCR-R4						
PW1030	Ret. Wall CCR-R4 - Filter Blanket & Backfilling	24	28APR06A	27JUN06	28APR06A	04JAN06
Retaining Wall CCR-R5 (Pre-bored "H" Piles)						
PW2130	Ret. Wall CCR-R5 - Stage 2 - Install "H" Piles	18	21JUN06	12JUL06	26JUN08	17JUL08
PW2225	Ret. Wall CCR-R5 - Complete Coping & Facing	12	27APR06A	03JUL06	27APR06A	05JUL06
PW2140	Ret. Wall CCR-R5 - Complete Fill Behind Wall	12	04JUL06	17JUL06	06OCT06	19OCT06
PW2230	Ret. Wall CCR-R5 - Slope Works Behind Wall	36	18JUL06	29AUG06	21OCT06	01DEC06
Retaining Wall CCR-R6 (Value Engineering Design)						
PW3220	Ret. Wall CCR-R6 - Excavate Slope	48	06MAR06A	05JUL06	06MAR06A	24APR06
PW3230	Ret. Wall CCR-R6 - Reinstate Soil Nail Heads	48	21JUN06*	17AUG06	11APR06	06JUN06
PW3240	Ret. Wall CCR-R6 - Install T40 Tie Back Anchors	48	20JUL06*	14SEP06	10MAY06	06JUL06
PW3250	Ret. Wall CCR-R6 - Bases to R.C. Walls	48	18AUG06*	14OCT06	07JUN06	04AUG06
PW3260	Ret. Wall CCR-R6 - R.C. Walls	48	15SEP06	13NOV06	07JUL06	01SEP06
Drainage Works						
PA1200	C.P.Rd Loop to Slip Road C - Stormwater Drainage	18	21JUN06	12JUL06	28DEC05	18JAN06
PA3000	C.P.Rd.-K.C S/B to C.C. Rd E/B - Storm Drainage	36	13SEP06	27OCT06	27JUL06	07SEP06
Utilities & Roadworks						
PR1117	New CLP 11Kv Cable Laying in front of CCR-R5	18	11AUG06	31AUG06	11NOV06	01DEC06
PR3000	C.P.Rd. Loop to Slip Road C - Formation	13	05JUL06	19JUL06	11JAN06	25JAN06
PR3010	C.P.Rd. Loop to Slip Road C - Sub-base	12	13JUL06	26JUL06	28SEP06	12OCT06
PR3020	C.P.Rd. Loop to Slip Road C - Kerbs	18	20JUL06	10AUG06	06OCT06	27OCT06
PR3040	C.P.Rd. Loop to Slip Road C - Pavement	6	11AUG06	17AUG06	04NOV06	10NOV06
PR3050	C.P.Rd. Loop to Slip Road C - Street Lighting	12	18AUG06	31AUG06	18NOV06	01DEC06
PR3080	C.P.Rd. Loop to Slip Road C - Crash Barriers	18	18AUG06	07SEP06	11NOV06	01DEC06
PR5000	C.P.Rd-K.C. S/B to C.C.Rd E/B - Excavate Road	18	23AUG06	12SEP06	06JUL06	26JUL06
PR5100	C.C. Rd. W/B - Sign Gantry FADS7 at P15-P16	6	21JUN06	27JUN06	11JUL08	17JUL08
Kiosk at Slip Road C						
PK1000	Kiosk at Slip Rd. C - Structure	24	20JUL06	17AUG06	22NOV05	19DEC05
PK1010	Kiosk at Slip Rd. C - Building Finishes	48	18AUG06	14OCT06	20DEC05	18FEB06
PK1020	Kiosk at Slip Rd. C - MVAC Installation	24	18AUG06	14SEP06	20DEC05	18JAN06
PK1030	Kiosk at Slip Rd. C - Electrical Works	24	01SEP06	29SEP06	05JAN06	04FEB06
PK1040	Kiosk at Slip Rd. C - Drainage Works	24	15SEP06	14OCT06	19JAN06	18FEB06



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APPENDIX M
COMPLAINT LOG

Appendix M - Complaint Log

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
40318	Nob Hill	18 March 2004	Kwai Tsing District Officer (KTDO) 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. KTDO referred the complaint to the Highways Department (HyD) on the same day. HyD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 18 March 2004. The complaint was raised by the Citybase Property Management Ltd. (the management company of Nob Hill) and the Secretarty of Nob Hill Owners Committee (Mr. Kevin Tse) 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.	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 pre-drilling (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 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	Closed

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 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.	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 30th 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 3rd July 2004 and subsequently referred to the ET Leader of the Project on 10th 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 Project onto Lai Chi Kok Road. The washout caused nuisance to the drivers utilizing the road, and may also cause danger to the motorbikes.	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 & 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: 1. **Area A**: Works area between Nob	***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. ***Review of Environmental Monitoring Results***	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			Hill and Lai Chi Kok Park Swimming Pool 2. **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.	The routine monitoring stations, which are in the vicinity of the concerned works areas, include: <u>Noise Monitoring</u> NM4: R/F of Mei Foo Sun Chuen (Phase 5) NM8a: M/F of Nob Hill NM8b: 3/F of Nob Hill <u>Air Quality (1-hr TSP / 24-hr TSP) Monitoring</u> AM2: R/F of Lai Chi Kok Sports Centre No Action / Limit level exceedance was identified in July 2004. ***Environmental Site Inspection*** During the ET site inspections on 8th, 14th and 20th July 04, no major environmental deficiency with regard to noise and air quality was identified by the auditors. ***Conclusions*** Based on the RSS's information, environmental monitoring results as well as the observations made during site inspections, this complaint is considered to be invalid and not due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise and dust impacts, 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; • To turn off any idle equipment on site. • To cover excavated dusty materials by impervious sheeting; • To provide water spray for haul roads, loading/unloading and concrete breaking operations; • To perform wheel wash for every vehicle immediately before leaving the site.	

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 8th 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 14th Feb 2005 and subsequently referred to the ET Leader of the Project on 15th 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.	***Construction Activities*** During the weekly site inspection on 17 Feb 05, piling work was being conducted at the concerned. The major powered mechanical equipment (PME) in operation included a mobile crane, an air compressor, a reverse circulation drill and a generator. In view of the separation of the site area and the residential building (around 40 m) and also the high traffic noise from Ching Cheung Road as well as Mei Lai Road, the noise generated from the operation of the PME was believed to be insignificant. ***Environmental Monitoring*** The noise monitoring results at Station NM4 (Mei Foo Sun Chuen, Phase 5) for the last 3 months were reviewed in order to evaluate the noise impact from the Project on the noise sensitive receiver. The measured noise levels in last three threes were ranged from 70.8 to 75.8 dB(A). It was observed that the measured noise levels were well within the range of baseline noise levels (69.2 to 75.8 dB(A)). The corrected construction noise levels were found to be ranged from 63.5 to 71.5 dB(A), which were well below the noise criterion of 75 dB(A). ***Conclusions*** Based on the information obtained and the noise monitoring results, this complaint is considered to be invalid and not due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise impacts.	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	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50330, 50331, 50404 & 50407	Wah Lai Estate	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 30th, 31st March, 4th and 7th 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 1st 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 4th 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.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50613	Mei 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.	*Site 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. *Observations* On 1 Jun 05, one of the environmental deficiencies noted by the ET was about fugitive dust emission from breaking activities at CCR-R3. The Contractor was reminded to provide sufficient dust mitigation measures for the breaking works. Immediate action was taken by the Contractor to apply water spray for the works as observed during the audit session. On 9 Jun 05, the breaking works were still being taken at CCR-R3. Water spray as a dust mitigation measure was being adopted by the Contractor during the audit. No observable dust emission was noted from the breaking works or other site activities. On 15 Jun 05, the same area was re-inspected due to the receipt of the complaint from EPD. The demolition works had been finished and no other dust emissive activity was being taken. No other dust source from the construction site was observed during the inspection. ***Conclusion*** Based on the observations noted during our site inspections, this complaint is considered to be valid and related to the construction activities of the Project. However, corrective action had been taken by the Contractor and the situation was found improved during the follow-up inspections.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50721	Hei Lai House, Wah 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. *Noise Measurement* 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. *Conclusion* 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 Cheung Road near Mei Foo Sun Chuen	7-Nov-05 (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 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. ***Site Inspection*** After receipt of the complaint, an ad-hoc site inspection was carried by ET on 9 November 2005 and the following observations were made: 1. 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. 2. The haul roads and exposed works areas were observed wet. A water sprinkler was installed at the CCR-S4 for water spraying. 3. Most of the slope was shot-creted to avoid wind erosion. 4. 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. *Environmental Monitoring* 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. *Conclusion* Based on the ad-hoc site inspection and the environmental monitoring results, this complaint was considered not justifiable.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
60118	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 13th, 20th and 22nd Feb 06 and the other one was referred by HyD via MHJV on 16th 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

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
60420	Near both Hoi Lai Estate and West Kowloon Highway	20-Apr-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 ET Leader on 20 April 2006. The complaint is about construction noise nuisance caused by construction work of night works at location near both Hoi Lai Estate and West Kowloon Highway between 14 and 17 April 2006.	***Site Activities*** According to the Resident Site Staff (RSS)'s records, the construction works were carried out by the Contractor from daytime to 2230 hours on 14 April and from 2000 hours to 0600 hours16 April 2006. The construction activities near Hoi Lai estate included: - • Erecting segments at column PA/R; • Stressing of top tendon wires of segments and erecting segments at column P1/R; and • Transporting segments to storage yard. The above construction activities were undertaken under a construction noise permit CNP no. GW-RW0172-06. Base on the RSS's preliminary investigation, it was suspected that the noise nuisance of concern was caused by loading and unloading of materials, hammering and/or dropping of materials on ground during the stressing works and transportation of precast segment by tractors. ***Contractor's Action*** The Contractor had implemented a short term mitigation measures:- • Turned off the alert sound of tractors during backward movement in order to reduce the potential for noise impact; • Strengthened their management on worker's working manner such as avoid dropping of material on ground, wrapping up of hammering equipment and etc.; and • Conducted training of worker in order to reducing noise nuisance during the night works.	Close

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				Conclusion Based on the information collected and the monitoring results, the complaints are considered not justified. It was suspected that the nuisance was caused by loading and unloading of materials, hammering and/or dropping of materials on ground during the stressing works and transportation of precast segment by tractors. The Contractor has strictly complied with PME allowed in the CNP No. GW-RW0172-06. Besides, night work at the concerned location was completed. No further construction work at night at this location is anticipated.	
60428	Between Ching Cheung Road and Mei Lai Road (near Phase 5 of Mei Foo Sun Chuen)	28-Apr-06 (by the ET Leader)	Environmental Protection Department (EPD) received a public complaint about tree cutting in the area between Ching Cheung Road and Mei Lai Road (near Phase 5 of Mei Foo Sun Chuen). EPD subsequently referred the complaint to the ET Leader on 28 April 2006. The complaint was about the Contractor cu trees in the area between Ching Cheung Road and Mei Lai Road (near Phase 5 of Mei Foo Sun Chuen). This had removed the traffic noise barrier effect of the trees and hence made the residents of Mei Foo Sun Chuen becoming being seriously affected by the traffic noise nuisance.	***Site Activities*** According to the Resident Site Staff (RSS)'s records, current construction activities included segment erection works for Slip Road D, excavation works for cut slope CCR-S4 and retaining wall construction at CCR-R2 and CCR-R3. Since excavation for cut slopes and construction of slip road D are required at this area, tree cutting is unavoidable. Tree felling application was approved by DLO/KW. ***Contractor Action*** Under the EP condition and EIA, there is no need for this project to mitigate the traffic noise barrier effect due to the removal of tress. No follow up action was required for this complaint. ***Conclusion*** Under the EP conditions and EIAO, there is no need for this	Close

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				project to mitigate the traffic noise barrier effect due to the removal of trees. Based on the information collected, the complaint is considered not justifiable. Since excavation for cut slopes and construction of slip road D are required at this area, tree cutting is unavoidable. Tree felling application was approved by DLO/KW. Compensatory planting will be provided at the concerned area after completion of the construction works in order to improve the landscape and visual impacts. No follow up action will be required for this complaint.	
60522	Hoi Lai Estate (Hoi Fai House)	22-May-06 (by ET Leader)	Environmental Protection Department (EPD) received a public complaints about noise nuisance generated from Route 8 – Lai Chi Kok Viaduct Project. EPD subsequently referred the complaint to ET Leader on 22 May 2006. The complaint was concerned about the noise produced from construction work during the period between 2300 hours and 0100 hours every night since 3 weeks ago. The complaint described the noise being like sound of poring concrete.	***Site Activities*** According to the RSS's records, only precast segment transportation works at the concerned area which was used as the segment storage yard near Pier P5L to Piers near Mui Kong Tsuen. No concreting activities were carried out at the abovementioned area between 2300 hours and 0100 hours every night in concerned period. In addition, the transportation works were usually carried out from 2000 hours to 0300 hours (or before 0300 hours). ***Contractor Action*** The idle and backup equipments such as tractors has turned off or throttled down in order to reduce the noise impact since the last complaint on this issue near Hoi Lai Estaet. Besides, the above night works were undertaken with three construction noise permits.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				Site Inspection An ad-hoc inspection was carried out by the ET at 2300 on 26 May 2006. During the inspection, no construction activities were carried out at the concerned area, where the tractor and mobile crane were throttled down. Conclusion According to RSS's information, no concreting activities were carried out at the concerned area. Therefore, the major noise nuisance (pouring concrete) might not be generated from the abovementioned area. Besides, the Contractor strictly complied with PME allowed in the CNP No. GW-RW0172-06. In addition, the Contractor had turned off the alert sound of tractors during backward movement. Based on the information collected, the complaint is considered not justifiable. However, the Contractor was reminded to continuously implement their practice to prevent noise nuisance generation due to the construction works. The site situation will be continuously reviewed by ET and RSS also.	
60609	Near Phase 5 of Mei Foo Sun Chuen	9-Jun-06 (by ET Leader)	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint about environment nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LVKC). Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 9 June 2006. The complaint was about the noise generated from rock excavation work from 9 a.m. to 6 p.m. at the area between Ching Cheung Road and Mei Lai Road (near Phase 5 of Mei Foo Sun	***Site Activities*** As advised by the RSS, the site of concerned area was likely to be CCR-S4. According to the RSS's records, 1 number of excavator mounted breaker was unsed to carry out rock breaking work at CCR-S4 during the period between 9 a.m. and 6 p.m. The excavation and rock breaking activities at the concerned area will likely be completed by end of September 2006.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			Cheun).	***Contractor Action*** The silent rock breaking equipment has been used and noise barriers were erected to minimize the noise impact generated from the breaking activity. ***Site Inspection and Environmental Monitoring*** An ad-hoc inspection was carried out by ET on 14 June 2006 from 1:30 p.m. to 4:30 p.m. and 16 June 2006 from 4:00 p.m. to 4:45 p.m. During the inspections, the construction activities at CCR-S4 included handheld breaking, excavation and rock breaking activities were carried out at CCR-S4. However, the temporary noise barriers were erected at the abovementioned location as same as RSS's mentioned. Noise measurement was carried out during the inspection to evaluate the noise impact onto the residents of Mei Foo Sun Chuen. The monitoring location was original monitoring location NM4 (Mei Foo Sun Chuen Phase 5). The measured monitoring results were close to the reference baseline level. After correction of the mean background level, the monitoring data were below the noise criterion of 75 dB(A). ***Conclusion*** Base on the information collection and the monitoring result, the complaint was considered not justifiable. The Contractor had implemented noise mitigation measures to minimize the noise impact. Besides, the monitoring result were below the noise criteria of 75dB(A). However, the Contractor was still reminded to continuously implement their practice to prevent noise nuisance generation from the construction works.	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				The environmental conditions of the site will be continuously reviewed by the RSS and the ET.	
60626	Near Phase 5 of Mei Foo Sun Chuen	26-Jun-06 (by ET Leader)	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint through a facsimile on 12 June 2006 about an environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct 9R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 26 June 2006. According to the explanation from the RSS, this complaint was indeed the same as that received by the ET on 9 June 2006. The complaint initiated the complaint verbally to the ICC on 8 June 2006 and then also issued a facsimile to the ICC. The facsimile was transferred to the RSS on 12 June 06 and eventually reached the ET on 26 June 2006. The complaint was about the noise generated from rock excavation work from 9 a.m. to 6 p.m. at the area between Ching Cheung Road and Mei Lai Road (near Phase 5 of Mei Foo Sun Cheun). This complaint was made by the same complainant to the ICC through two different channels (by phone and by facsimile) and the ET of the Project was firstly notified on 9 June 2006. A complaint investigation report was issued on 22 June 06.	***Site Activities*** As advised by the RSS, the site of concerned area was likely to be CCR-S4. According to the RSS's records, 1 number of excavator mounted breaker was unsed to carry out rock breaking work at CCR-S4 during the period between 9 a.m. and 6 p.m. The excavation and rock breaking activities at the concerned area will likely be completed by end of September 2006. ***Contractor Action*** The silent rock breaking equipment has been used and noise barriers were erected to minimize the noise impact generated from the breaking activity. ***Site Inspection and Environmental Monitoring*** As the complaint was identical to the one received on 9 June 06 by the ET, the ad-hoc inspections carried out on 14 June 2006 from 1:30 p.m. to 4:30 p.m. and 16 June 2006 from 4:00 p.m. to 4:45 p.m. were still applicable to this report. In addition, further ad-hoc inspections were carried out on 28 June 2006 from 1:30 p.m. to 4 :00 p.m. and 3 July 2006 from 9:30 a.m. to 11:30 a.m. During the aforesaid inspections, the construction activities at CCR-S4 included handheld breaking, excavation and rock breaking activities were carried out at CCR-S4. However, the temporary noise barriers were erected at the abovementioned location. In addition to the noise measurement conducted on 14 and 16 June 2006, further noise measurement was carried out on 30	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			As the ET received this separate complaint after the issue of the complaint investigation report and considered the nature of the complained event (general construction during daytime but not single event at a particular moment), the complaint investigation procedures were initiated.	June 2006 to evaluate the noise impact onto the residents of Mei Foo Sun Chuen. The monitoring location was original monitoring location NM4 (Mei Foo Sun Chuen Phase 5). Noise measurement carried out on 30 June 06, after correction of the mean background level, the monitoring data were below the noise criterion of 75 dB(A) ***Conclusion*** This complaint was identical to the one received by the ET on 9 June 06 because the complainant addressed the complaint to the ICC through two different channels (by phone and by facsimile). The facsimile was transferred to the RSS on 12 June 06 and eventually reached the ET on 26 June 06. Base on the information collection and the monitoring result, the complaint was considered not justifiable. The Contractor had implemented noise mitigation measures to minimize the noise impact. Besides, the monitoring result were below the noise criteria of 75dB(A). However, the Contractor was still reminded to continuously implement their practice to prevent noise nuisance generation from the construction works. The environmental conditions of the site will be continuously reviewed by the RSS and the ET.	