Highways Department

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

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

Quarterly EM&A Report Part II – Eagle's Nest Tunnel and Associated Works (Version 1.0)

December 2006 to February 2007

| Aŗ | pproved By - | Chu | ental Team Lead | er) |
|--------|-----------------|-----|-----------------|---------|
| REMARK | · S. | | 1 | |

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

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

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TABLE OF CONTENTS

Page

| E | XECUTIVE SUMMARY | 1 |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| | ENVIRONMENTAL MONITORING WORKS Environmental Licensing and Permitting Key Information in the Reporting Quarter | 2 |
| 1. | . INTRODUCTION | |
| 2 | PROJECT CHARACTERISTICS | 5 |
| | PROJECT ORGANIZATION AND CONTACTS OF KEY MANAGEMENT CONSTRUCTION PROGRAMME AND SYNOPSIS OF WORK | |
| 3 | ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS | 7 |
| | MONITORING PARAMETERS AND MONITORING LOCATIONS MONITORING METHODOLOGY AND CALIBRATION DETAILS ENVIRONMENTAL QUALITY PERFORMANCE LIMITS (ACTION AND LIMIT LEVELS) ENVIRONMENTAL MITIGATION MEASURES | 7 7 |
| 4 | MONITORING RESULTS | 8 |
| | WEATHER CONDITIONS AIR QUALITY CONSTRUCTION NOISE | 8 |
| 5 | ENVIRONMENTAL AUDIT | 10 |
| | Implementation Status of Environmental Mitigation Measures Site Audit Summary Status of Environmental Licensing and Permitting | 10 |
| 6 L | NON-COMPLIANCE (EXCEEDANCES) OF THE ENVIRONMENTAL QUALITY PERFO IMITS (ACTION AND LIMIT LEVELS) | RMANCE 12 |
| | SUMMARY OF EXCEEDANCES Review of the Reasons for and the Implications of Non-compliance | |
| 7 | ENVIRONMENTAL COMPLAINTS | 13 |
| 8 | NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS | 14 |
| 9 | COMMENTS, CONCLUSIONS AND RECOMMENDATIONS | 15 |

LIST OF TABLE

| Table I | Summary Table for Exceedances Recorded in the Reporting Quarter |
|----------|-----------------------------------------------------------------|
| Table II | Summary Table for Key Information in the Reporting Quarter |

Table 5.1Observations and Recommendations of Site Audit

LIST OF FIGURES

| Figure 1a | Location of monitoring stations |
|-----------|---------------------------------|
| Figure 1b | Location of monitoring stations |
| Figure 2 | Project Organization Chart |

LIST OF APPENDICES

| Appendix A | Contact Details of the Project Organisation |
|------------|---------------------------------------------------------------------|
| Appendix B | Construction Programme |
| Appendix C | Monitoring Requirements |
| Appendix D | Environmental Quality Performance (Action/Limit) Levels |
| Appendix E | Graphical Presentation of Air Quality Monitoring Results |
| Appendix F | Graphical Presentation of Noise Monitoring Results |
| Appendix G | Implementation Schedule of Environmental Mitigation Measures (EMIS) |
| Appendix H | Summary Status of Environmental Licences and Permits |
| Appendix I | Complaint Log |
| Appendix J | Summary of Exceedances |

EXECUTIVE SUMMARY

- This is the 13th Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the "Route 8 (previously known as Route 9) between Cheung Sha Wan & Sha Tin, Lai Chi Kok Viaduct & Eagle's Nest Tunnel". This summary report documents the findings of EM&A works performed in the period between December 2006 and February 2007 for Contract No. HY/2003/02, Route 8 Eagle's Nest Tunnel and Associated Works (the Project).
- The major site activities undertaken in the reporting quarter included Sreeding, Rendering, Fire Services, Mechanical Ventilation Air Conditioning, T&C for HV, LV cable & switchboard, road works, Plumbing & drainage and Tunnel Ventilation System.
- The major site activities for Traffic Control and Surveillance System (TCSS) works undertaken in the reporting quarter included:
 - Cable Laying;
 - Field Equipment Installation;
 - Control Equipment Installation;
 - Antenna Pole Installation; and
 - Highmast Installation.

Environmental Monitoring Works

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

 Table I
 Summary Table for Events Recorded in the Reporting Quarter

| Parameter | No. of | Events | No. of Events | Action Taken | | |
|---------------|--------------|-------------|--------------------|--------------|--|--|
| Parameter | Action Level | Limit Level | Due to the Project | Action Tuken | | |
| December 2006 | | | | | | |
| 1-hr TSP | 0 | 0 | 0 | N/A | | |
| 24-hr TSP | 0 | 0 | 0 | N/A | | |
| Noise | 0 | 0 | 0 | N/A | | |
| January 2007 | · | | · · | | | |
| 1-hr TSP | 0 | 0 | 0 | N/A | | |
| 24-hr TSP | 0 | 0 | 0 | N/A | | |
| Noise | 0 | 0 | 0 | N/A | | |
| February 2007 | · | | · · | | | |
| 1-hr TSP | 0 | 0 | 0 | N/A | | |
| 24-hr TSP | 0 | 0 | 0 | N/A | | |
| Noise | 0 | 0 | 0 | N/A | | |

Environmental Licensing and Permitting

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

Key Information in the Reporting Quarter

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

Table II Summary Table for Key Information in the Reporting Quarter

| Event | Eve | ent Details | Action Taken | Status | Domark | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------|--------------|--------|--------|--|
| Event | Number Nature | | Action Taken | Status | Remark | |
| 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 | | |
| Rendering; Vent Shaft erection; Tunnel Ventilation System T&C for HV, LV cable & Fire Services; Mechanical Ventilation A Drainage Works & Road Major site activities for TC | ż switchboard ir Conditionir works. | ng; and | s include: | | | |
| Cable Laying; Field Equipment Installat: Control Equipment Install Antenna Pole Installation; | ion; lation; | | include. | | | |

• Highmast Installation.

The anticipated environmental issues will be mainly on dust impact from shotcreting, drainage and road works.

1. INTRODUCTION

- 1.1 Route 9 (Kowloon Section) (R9K) (hereinafter call the R9K-Project) forms part of the Route 9 between Cheung Sha Wan and Sha Tin (R9-CSWST) project, which will be a new expressway connecting West Kowloon and Sha Tin. It will be the fourth external link between Sha Tin and Kowloon and will form an important link between the northeast New Territories and the west Kowloon, Lantau Island and the western New Territories. R9K is being managed and implemented by the Highways Department (HyD).
- 1.2 The engineering design of R9K is covered under Agreement No. CE 50/98 "Route 9 between Cheung Sha Wan and Sha Tin Design Construction Assignment". The main consultant engaged under Agreement No. CE 50/98 is Maunsell Hyder Joint Venture (MHJV), who will act as the Engineer for the construction contracts. The works of R9K mainly comprise a 1.4km dual 3-lane Lai Chi Kok Viaduct from Lai Wan Interchange to Butterfly Valley; 0.5 km of dual 3-lane at-grade carriageway linking to the 2.1 km dual 3-lane twin-bore Eagle's Nest Tunnel with associated portal buildings; a toll plaza with an administration building located with the Sha Tin valley woodland; a ventilation building and an adit; associated noise barriers, noise enclosures, drainage, slope and landscape works; and electrical and mechanical works for the whole R9-CSWST. The remainder of the R9-CSWST forms the Sha Tin Section (R9S) of the project and is being managed and implemented separately by the Civil Engineering and Development Department (CEDD).
- 1.3 The R9-CSWST project is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 449) (EIAO). An environmental impact assessment (EIA) report has been prepared in 1998 for the R9-CSWST project (1998 R9 EIA) to consider the key issues of noise, air quality, water quality, ecological, construction waste, landscape and visual, land use and cultural impacts, and identify possible mitigation measures.
- 1.4 An Updated Final EIA report was subsequently completed in August 1999 for the R9-CSWST project (1999 R9 EIA), to cater for some changes in R9K portion as mentioned in paragraph 1 in the report. The 1999 R9 EIA was endorsed by Environmental Protection Department (EPD) in November 1999. The 1998 R9 EIA and the 1999 R9 EIA (R9 EIA Reports) were included in the EIA register under the EIAO as report no. EIA-135/BC and AEIAR-022/1999 respectively. An Environmental Monitoring and Audit (EM&A) Manuals for each of the R9 EIA Reports (EM&A Manuals) were also included as part of the EIA reports in the register.
- 1.5 Subsequent to the endorsement of the R9 EIA Reports by EPD in November 1999, the project programme was deferred to start in 2002/2003 for completion by 2006/07. The implementation of the project was then separated into the R9S and R9K portion. An Environmental Permit (EP) No. EP-103/2001 was issued on 17 September 2001 for R9K to the HyD as Permit Holder. A revised EP No. EP-103/2001/A was 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 (previously known as Route 9) between Cheung Sha Wan and Sha Tin Environmental Team (ET) for Lai Chi Kok Viaduct and Eagle's Nest Tunnel (Contract No. HY/2003/10)". Dr. Priscilla CHOY of Cinotech was appointed as the ET Leader under Condition 2.2 of the EP. Mr. David YEUNG of CH2M-HILL Hong Kong Ltd. was appointed as the IEC under Condition 2.1 of the EP. This is the 13th quarterly EM&A report summarizing the EM&A works for the ENT Project between December 2006 and January 2007.

2 **PROJECT CHARACTERISTICS**

Project Organization and Contacts of Key Management

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

Construction Programme and Synopsis of Work

- 2.2 The construction programme is presented in **Appendix B**.
- 2.3 The site activities for Civil Works undertaken in the reporting quarter included: *ENT Tunnel*
 - VE panel, road work for NB tunnel, door installation, E&M cabling dampers, dampers, tunnel ventilation system, fire services and testing of circuitry for tunnel lighting

Butterfly Valley

• Haul road, rock dowel, road and drainage works, DN200 & DN200 twin watermain, utility, shotcreting, hydro-mulching, high mast erection, irrigation pipe & system, culvert A & gabion wall, erection of sign gantries.

South Portal Building

• Louvre/ Cladding, Door & Hand Rail installation, screeding, painting (final) plumbing & drainage, vent shaft erection, plumbing & drainage, fire services, mechanical ventilation air condition, Tunnel Ventilation System and T&C for HV, LV cable & switchboard.

North Portal Building

• Louvre/ Cladding, Door & Hand Rail installation, rendering, fire services, mechanical ventilation air condition, Tunnel Ventilation System, T&C for HV, LV cable & switchboard.

Toll Plaza's Structures and Administration Building

• Footbridge and Toll Collector construction, utility (draw pit/ ducting), drainage & road works, construction of car park shelter no.1, curtain wall & glazing installation, rendering, fire services, mechanical ventilation air condition, plumbing & drainage, cabling, lift installation, T&C for HV, LV cable & switchboard and fire services.

Ventilation Building & Tai Po Road

• Louvre /cladding, door & handrail installation, vent shaft construction, rendering, earth works, plumbing & drainage, fire service, mechanical ventilation air condition, T&C for HV, LV cable & switchboard and Tunnel Ventilation System.

SHT – South Portal Building

• Louvre installation, screeding, rendering, tunnel ventilation system, plumbing & drainage, fire services, mechanical ventilation air conditioning, T&C for HV, LV cable & switchboard.

SHT – North Portal Building

• Louvre installation, screeding, rendering, tunnel ventilation system, plumbing & drainage, fire services, mechanical ventilation air conditioning, T&C for HV, LV cable & switchboard.

SHT Tunnel & Remaining SHT/T3 Area

• Lighting installation, fire services ,tunnel ventilation system & cabling & sand filing on SHT OHVD

LCKV Viaduct Area

- E&M installation in pump house and lighting installation in noise enclosure.
- 2.4 The site activities for TCSS works undertaken in the reporting quarter included:
 - Cable laying, field equipment installation and control cabinet installation at Tunnel
 - Cable laying, field equipment installation, control cabinet installation and highmast installation at Butterfly Valley
 - Cable laying at Kiosk K3, K4
 - Cable laying, control equipment installation and antenna pole installation at South Portal Building
 - Cable laying, control equipment installation and antenna pole installation at North Portal Building
 - Cable laying and field equipment installation at Toll Plaza
 - Cable laying, control equipment installation and antenna pole installation at Administration Building
 - Cable laying, control equipment installation and antenna pole installation at Ventilation Building

3 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

Monitoring Parameters and Monitoring Locations

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

Monitoring Methodology and Calibration Details

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

Environmental Quality Performance Limits (Action and Limit Levels)

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

Environmental Mitigation Measures

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

4 MONITORING RESULTS

Weather Conditions

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

Air Quality

1-hr TSP Monitoring

- 4.2 All 1-hour TSP monitoring was conducted as scheduled during the reporting quarter except the monitoring at AM1 was cancelled on February 2007. Yew Chung International School / PLK Choi Kai Yau School (AM1) had ceased operated and been demolished since February 2007, therefore the air monitoring at AM1 has been suspended since February 2007.
- 4.3 No Action/Limit Level exceedance was recorded in this reporting quarter.

24-hr TSP Monitoring

- 4.4 All 24-hr TSP monitoring was conducted as scheduled in this reporting quarter except the monitoring at AM1 was cancelled on February 2007. Yew Chung International School / PLK Choi Kai Yau School (AM1) had ceased operated and been demolished since February 2007, therefore the air monitoring at AM1 has been suspended since February 2007.
- 4.5 No Action / Limit Level exceedance was recorded in the reporting quarter.
- 4.6 The monitoring data of 1-hr and 24-hr TSP Levels are attached in the appendices of the Monthly Reports for December 2006 to January 2007. The graphical presentations of the monitoring results are shown in **Appendix E**.

Construction Noise

- 4.7 Noise monitoring was performed at the four designated locations during the daytime period (0700-1900 hours) on normal as scheduled in this reporting quarter except the monitoring on 22nd February 2007 at NM7 was rescheduled to 21st February 2007. Restricted-hour monitoring was also conducted at NM5, NM6 and NM7.
- 4.8 Yew Chung International School / PLK Choi Kai Yau School (NM1) had ceased operated and been demolished since February 2007, therefore the noise monitoring at NM1 has been suspended since February 2007.
- 4.9 No Action/Limit Level exceedance was recorded in the reporting quarter.

- 4.10 All the Construction Noise Levels (CNLs) reported in this report were adjusted with the corresponding baseline level (i.e. Measured Leq Baseline Leq = Measured CNL), in order to facilitate the interpretation of the noise exceedance.
- 4.11 The monitoring data of construction noise are attached in the appendices of the Monthly Reports for December 2006 to February 2007. The graphical presentations of the monitoring results are shown in **Appendix F**.
- 4.12 Construction noise exceedances recorded in the reporting quarter and the associated actions taken are summarized in **Appendix J**.

5 ENVIRONMENTAL AUDIT

Implementation Status of Environmental Mitigation Measures

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

Site Audit Summary

- 5.2 ET's weekly site audits for Civil works were conducted on 5th, 13th, 20th and 27th December 2006, 4th, 10th, 17th, 24th and 31st January 2007, 7th and 14th February 2007. The weekly site audit for Civil works on week 3 of February 2007 was cancelled since major works in ENT was not commenced after Lunar New Year during that week. IEC's monthly site audits for Civil works were conducted on 5th December 2006, 4th and 31st January 2007 together with ET.
- 5.3 ET's weekly site audits for TCSS works were conducted on 15th, 20th and 27th December 2006, 4th, 10th, 17th, 24th and 31st January 2007. IEC's monthly site audits for TCSS works were conducted on 5th December 2006, 4th and 31st January 2007 together with ET.
- 5.4 During site inspections in the reporting period, no non-conformance was identified. The observations and recommendations are summarized in **Table 5.1**.

| Parameters | Date | Observations / Recommendations | Remedial Actions |
|---------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Water Quality | 4-Jan-07 | <i>Reminder</i> - Standing water was observed on the ground floor of ENT North Portal Building. It should be cleaned up to avoid mosquito breeding. | Rectification / improvement was observed during the site inspection on 10 January 07. |
| | 17-Jan-07 | <i>Reminder</i> - Step Channel at Mui Kong Tsuen needed desiltation for the silt deposited at the base of Channel. The Contractor was reminded to remove silt after rainstorm. | Rectification / improvement was observed during the site inspection on 24 January 07. |
| Air Quality | 5-Dec-06 | <i>Reminder</i> - Stockpile of dusty material at Portion D4 near Shatin Heights Tunnel, which was being used during the inspection, was observed not to be covered properly. The Contractor was reminded to cover the stockpile properly once the works finished. | Rectification / improvement was observed during the site inspection on 13 December 2006. |

Table 5.1Observations and Recommendations of the Site Audits

| Parameters | Date | Observations / Recommendations | Remedial Actions |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Waste/Chemica l Management | nemica 13-Dec-06 Reminder – Oil stain was observed on bare ground near Administration Building. The Contractor was reminded to clear the stain as soon as possible. | | Rectification / improvement was observed during the site inspection on 20 December 2006. |
| | 4-Jan -07 | <i>Observation</i> - Some general refuse was accumulated inside the U-channel at portion D4. The contractor was reminded to clean it up. | Rectification / improvement was observed during the site inspection on 10 January 07. |
| | 4-Jan-07 | <i>Reminder</i> - Some general refuse was scattered on bare ground at culvert A. It should be cleaned up and disposal of on suitable area. | Rectification / improvement was observed during the site inspection on 10 January 07. |
| | 14-Feb-07 | <i>Reminder</i> - General refuse was observed inside u- channels at Portion D2 (North Portal Building) and Portion D6 (Toll Plaza) areas. The Contractor was reminded to clear the waste as soon as possible. | This item will be follow up in the next site inspection. |

Status of Environmental Licensing and Permitting

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

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

Summary of Exceedances

Air Quality

6.1 No Action/Limit Level exceedance was recorded in the reporting quarter.

Construction Noise Monitoring

6.2 No Action/Limit Level exceedance was recorded in the reporting quarter.

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

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

7 ENVIRONMENTAL COMPLAINTS

- 7.1 No environmental complaints were received in the reporting quarter.
- 7.2 The details of the complaints, the investigation results and the mitigation actions are summarized in **Appendix I**. There were 22 environmental complaints received since the Project commencement.

8 NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

- 8.1 No notification of summon or successful prosecution was recorded in this reporting quarter.
- 8.2 There was no notification of summon or successful prosecution received since the Project commencement.

9 COMMENTS, CONCLUSIONS AND RECOMMENDATIONS

9.1 Major site activities for Civil works in the coming months include: *ENT Tunnel*

• VE panel, door installation, E&M cabling dampers, dampers, tunnel ventilation system, fire services and testing of circuitry for tunnel lighting

Butterfly Valley

• Haul road, rock dowel, road and drainage works, DN200 & DN200 twin watermain, utility, shotcreting, hydro-mulching, high mast erection, irrigation pipe & system, culvert A & gabion wall, erection of sign gantries.

South Portal Building

• Louvre/ Cladding, Door & Hand Rail installation, screeding, plumbing & drainage, vent shaft erection, fire services, mechanical ventilation air condition, Tunnel Ventilation System and T&C for HV, LV cable & switchboard.

North Portal Building

• Louvre/ Cladding, Door & Hand Rail installation, fire services, mechanical ventilation air condition, Tunnel Ventilation System, T&C for HV, LV cable & switchboard.

Toll Plaza's Structures and Administration Building

• Footbridge(metal cladding), utility (draw pit/ ducting), road works, construction of car park shelter no.1, curtain wall & glazing installation, rendering, fire services, mechanical ventilation air condition, plumbing & drainage, cabling, lift installation, T&C for HV, LV cable & switchboard

Ventilation Building & Tai Po Road

• Louvre /cladding, door & handrail installation, vent shaft construction, rendering, earth works, plumbing & drainage, fire service, mechanical ventilation air condition, T&C for HV, LV cable & switchboard and Tunnel Ventilation System.

SHT – South Portal Building

• Louvre installation, screeding, painting, rendering, tunnel ventilation system, plumbing & drainage, fire services, mechanical ventilation air conditioning, T&C for HV, LV cable & switchboard.

SHT – North Portal Building

• Louvre installation, screeding, painting, tunnel ventilation system, plumbing & drainage, fire services, mechanical ventilation air conditioning, T&C for HV, LV cable & switchboard.

SHT Tunnel & Remaining SHT/T3 Area

• Lighting installation, fire services ,tunnel ventilation system & cabling works

- 9.2 The major site activities for TCSS works in the coming months include:
 - Cable laying, field equipment installation and control cabinet installation at Tunnel
 - Cable laying, field equipment installation, control cabinet installation and highmast installation at Butterfly Valley
 - Cable laying at Kiosk K3, K4
 - Cable laying, control equipment installation and antenna pole installation at South Portal Building
 - Cable laying, control equipment installation and antenna pole installation at North Portal Building
 - Cable laying and field equipment installation at Toll Plaza
 - Cable laying, control equipment installation and antenna pole installation at Administration Building
 - Cable laying, control equipment installation and antenna pole installation at Ventilation Building
- 9.3 The anticipated environmental issues will be mainly on dust impact from shotcreting, drainage and road works.
- 9.4 According to the environmental audit performed in the reporting quarter and anticipated environmental issues, the following recommendations were made:

Water Impact

- To review and implement temporary drainage system especially for the areas at Butterfly Valley and Toll Plaza.
- To closely monitor the capacity of existing de-silting facility on site, especially for the discharge at the site in Butterfly Valley and Toll Plaza.
- To keep the sedimentation facilities well maintained and perform de-silting regularly.
- To avoid accumulation of stagnant water on site.

Dust Impact

- To ensure that adequate water spray or other dust suppression measures are applied for slope cutting and the haul roads and stockpile on site.
- To cover idle soil slope surface and stockpile of dusty materials to prevent wind erosion.
- To ensure that all vehicles carrying dusty materials are properly covered before leaving the site.

Noise Impact

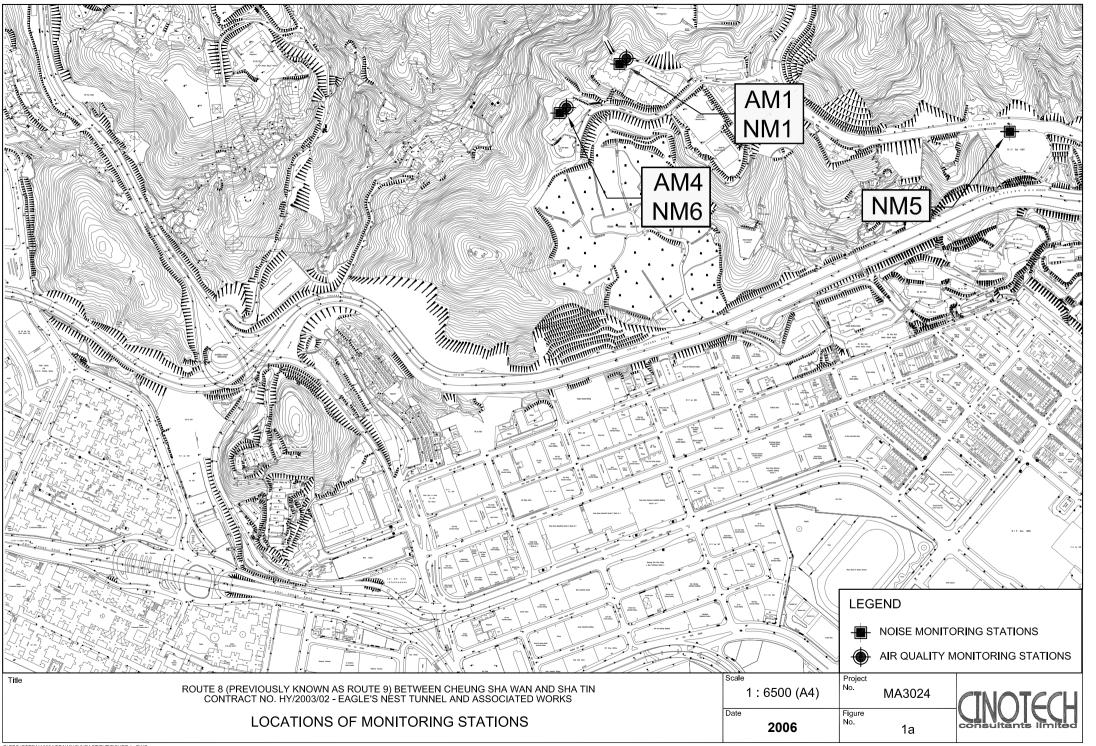
- To provide temporary noise barriers for noisy activities (such as breaking works).
- To reduce the number of noisy equipment in concurrent operation.

Waste/Chemical Management

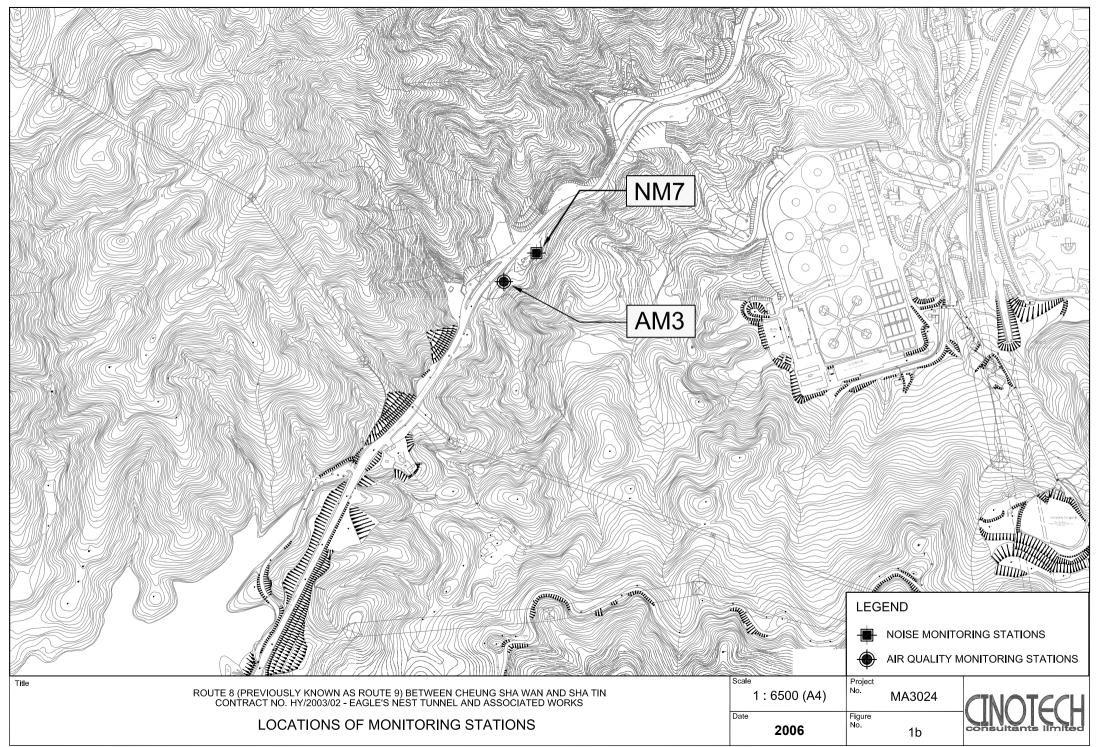
- To ensure proper storage of chemical and chemical waste on site.
- To check for any accumulation of waste materials or rubbish on site.

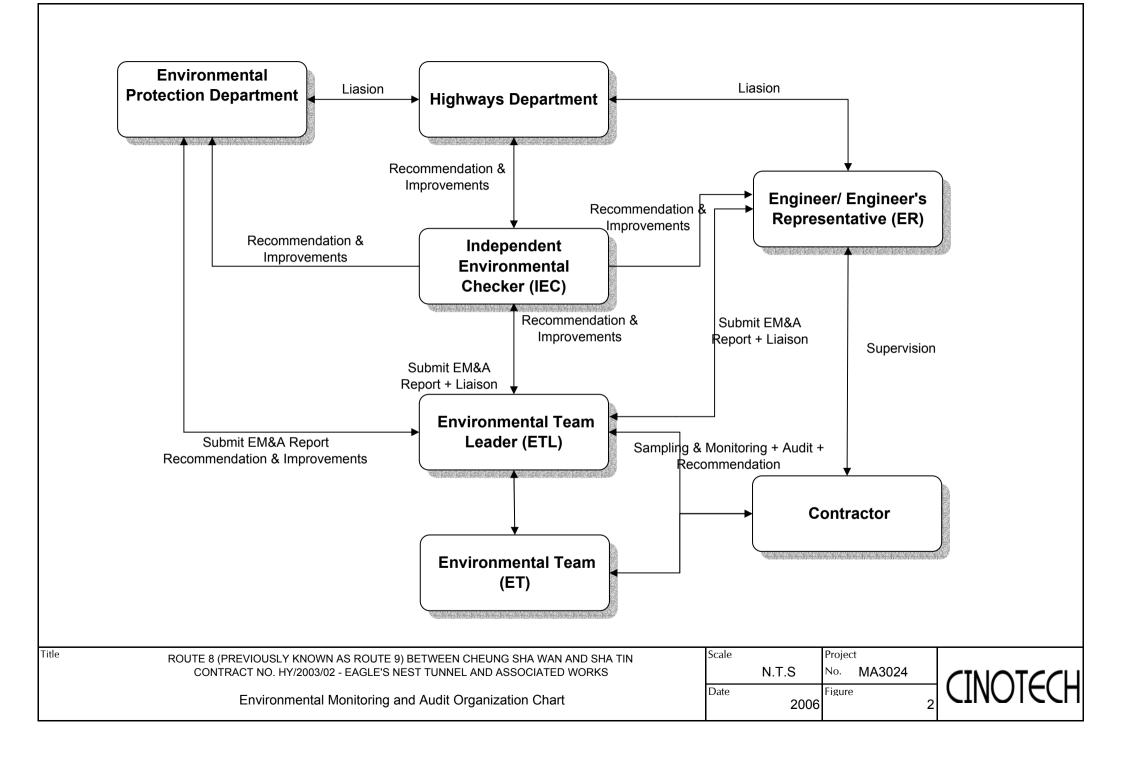
• To avoid any discharge or accidental spillage of chemical waste or oil directly.

FIGURES



F:\PEOJECTS\MA3024\DRAWING\IMPACT\ENT\FIGURE 1a.DWG





APPENDIX A CONTACT DETAILS OF THE PROJECT ORGANISATION

| Party | Role | Name | Position | Phone No. | Fax No. | |
|-----------------|------------------------------|--------------------|------------------------------------------------------|-----------|-------------|--|
| IJ.,D | Permit Holder | Mr. Kroc Leung | SE2/R8K | 2762 3684 | 2714 5198 | |
| HyD | Permit Holder | Mr. George Law | E4/R8K | 2762 3675 | 2/14 3198 | |
| | Engineer | Mr. Conrad Ng | Project Manager | 2605 6262 | 2691 2649 | |
| MHJV | Engineer's | Mr. Peter Poon | CRE | 3552 2500 | | |
| IVITIJ V | Engineer's Representative | Mr. Eric Wong | RE (S & EP) | 3552 2551 | 2743 9200 | |
| | Representative | Ms. Sammie Chan | TO (EN) | 3552 2605 | | |
| | | Dr. Priscilla Choy | ET Leader | 2151 2089 | | |
| | | Mr. Jesse Yuen | Project Manager | 2151 2090 | | |
| Cinotech | Environmental | Mr. Edmond Wu | Audit Team | 2151 2092 | 3107 1388 | |
| | Team | Mr. Henry Leung | Leader Monitoring Team Leader | 2151 2087 | | |
| | Independent | Mr. David Yeung | Independent Environmental Checker | 2507 2203 | 2507 2293 | |
| CH2M-HILL | Environmental Checker | Mr. Billy Yu | Assistant Independent Environmental Checker | 2872 2949 | | |
| 1.17.11.1 | | Mr. Ray Brewster | Project Director | 9092 6128 | 27.42.1.000 | |
| LKJV | Contractor | Mr. Kevin Harman | QA/E Manager | 3352 2128 | 2743 1600 | |
| | Engineer's | Mr. Donald Leung | RE | 2436 7489 | | |
| ARUP | Representative (TCSS) | Mr. Joseph Chow | ARE | 2436 7435 | 2436 1803 | |
| DIGJV | Contractor (TCSS) | Ms. Joyce Chan | Quality Manager | 2123 0845 | 2123 0889 | |
| Enquiries Hotli | 3552 2226 | - | | | | |
| Complaint Hot | line | | | 3552 2380 | - | |

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

APPENDIX B CONSTRUCTION PROGRAMME

| Data Date Run Date | 20FEB07 01MAR07 14:44 | | | 3 MON | ITH RO | OLLING | PRO | GRA | MME | | Monthly Up Detailed We Progress B Critical Acti | orks Prog ar | gr.(DWF | ²) r | | | |
|-----------------------|-------------------------------------------|--------------|----------|----------|--------|----------|-----|-------|--------------|------------|----------------------------------------------------------|----------------------|---------|------------------|-----------|--------------|-----------|
| Act. | Activity | Orig | | Early | % | Target 1 | | Total | | DEC 39 | JAN 40 | FEB | | MAR 42 | APR 43 | MAY 44 | JUN 45 |
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | 11 18 25 | 1 ₁ 8 ₁ 15 22 ; | 29 ₁ 5 12 | 19 26 5 | 12 19 26 12 12 | 2 9 16 23 | 30 7 14 21 2 | 28 4 11 |
| GENER | | | | | | | | | | | | | | | | | |
| | als & Approvals Submittal & Approval | | | | | | | | | | | | | | | | |
| | Prep.& Sub. Independ't Serv. Dwgs for SHT | &T3&LCK 48 | 04AUG04A | 06MAR07 | 98 | 98 | 12 | 191 | -239 | | | | |] | | | |
| | | | | | | | - | | | | | | | | | | |
| 8024 | Engineer Comment / Approve ENT ISD Sub | missions 18 | 06AUG04A | 01MAR07 | 85 | 85 | 8 | -135 | -239 | | | | | | | | |
| 8030 | Res-sub. & Approv of ENT ISD | 24 | 06SEP04A | 06MAR07 | 70 | 70 | 12 | -135 | -239 | | | | ╸ | | | | |
| 8035 | Engineer Comment / Approve SHT&T3LCK | ISD Sub. 24 | 13SEP04A | 03APR07 | 85 | 85 | 36 | 191 | -239 | | | | | | | | |
| 8032 | Engineer Comment / Approve SHT&T3&LCF | CSD Sub. 18 | 250CT04A | 09MAR07 | 90 | 90 | 15 | 191 | -239 | • | | | | | | | |
| 8036 | Re-sub. & Approv of SHT & T3 & LCK ISD | 36 | 31MAR05A | 03APR07 | 70 | 70 | 36 | 191 | -239 | | | | | | | | |
| 8033 | Re-sub. & Approv. of SHT & T3 & LCK CSD | 24 | 28JUN05A | 20MAR07 | 60 | 60 | 24 | 191 | -239 | | | | | | | | |
| 8022 | Engineer Comment / Approve ENT CSD Sul | omissions 12 | 21FEB07 | 06MAR07 | 0 | 0 | 12 | 191 | -239 | _ | | | |] | | | |
| 8029 | Re-sub. & Approv. of ENT CSD | 24 | 07MAR07 | 03APR07 | 0 | 0 | 24 | 191 | -239 | - | | | | | | | |
| LAI CH | KOK VIADUCT | | | | | | | | | | | | | | | | |
| CONTR | ACT DEFINED DATES, STAGES & | SECTIONS | | | | | | | | | | | | | | | |
| | N ACCESS & VACATION | | | | -1 | | | | | | | | | | | | |
| ACS_M2 | Access to Portions - M2 | 0 | | 24FEB07* | 0 | 0 | 0 | -117 | -297 | | | | • | | | | |
| ACS_M3 | Access to Portions - M3 | 0 | | 24FEB07* | 0 | 0 | 0 | -313 | -297 | | | | • | | | | |
| ACS_M11 | Frecast Delay in Access to Portion M1 | 60 | 28APR06A | 31MAR07 | 0 | 0 | 34 | -243 | 0 | | | | | | • | | |
| CS_M12 | Forecast Delay in Access to Portion M2 | 30 | 28APR06A | 24FEB07 | 0 | 0 | 4 | -95 | 0 | | | | | | | | |

| | | Proj. Name: W28E | LKJV/ENT/DWP/B | | | | |
|-------------------------------------|------------------------------------|---------------------------------------------------------|----------------|--------------------|---------|----------|--|
| 110 | | Layout: 3 MONTHS ROLLING PROGRAMME | Date | Revision | Checked | Approvec | |
| | | Filter: 3 MONTH ROLLING PROGRAMME Current Proi: W28E | 20FEB0 | Prog update Feb 07 | GW | RB | |
| Leighton - Kumagai Joint Venture | | Target 1 Proj: BE02 | | | | | |
| | | | | | | | |
| | CONTRACTORS TARGET PROGRAMME REV.1 | Sheet 1 of 34 | | | | | |
| © Primavera Systems, Inc. | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC 39 | JAN 40 | FEB 41 | | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|----------|--------------------------------------------------|------|----------|---------|-----------|----------|-----|-------|--------------|-----------|--------------------------|-----------|-------|-----------|-----------|-----------|-----------|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | | 1 <mark>8 15 22 2</mark> | | 19 26 | | | | |
| PORTIO | N ACCESS & VACATION | | | | | | | | | | | | | | | | |
| ACS_M13 | Forecast Delay in Access to Portion M3 | 30 | 28APR06A | 24FEB07 | 0 | 0 | 4 | -256 | 0 | | | | | | | | |
| Constru | iction Works | | | | | | | | | | | | | | | | |
| CMCS L | eased Lines at Pump Houses | | | | | | | | | | | | | | | | |
| 6817 | E&M at Lai Po Rd Pump House | 6 | 15MAR07 | 21MAR07 | 0 | 0 | 6 | -94 | -238 | | | | | | | | |
| 6827 | E&M at Wai Man Tsuen Pump House | 6 | 15MAR07 | 21MAR07 | 0 | 0 | 6 | -94 | -232 | | | | | | | | |
| BUTTE | RFLY VALLEY | | | | | | | | | | | | | | | | |
| Contrac | t Key Dates & Milestones | | | | | | | | | | | | | | | | |
| Area Ac | cess & Vacation Dates | | | | | | | | | | | | | | | | |
| ACS_A | Access to Portions - A | 0 | 200CT03A | | 100 | 100 | 0 | | -292 | | | | | | | | |
| Constru | iction Works | | Г | | | | | | | | | | | | | | |
| - | RFLY VALLEY 3RD PARTY WORKS | | | | | | | | | | | | | | | | |
| | Butterfly valley Approach | | | | · · · · · | | | | | _ | | | | | | | |
| S2462 | TCSS Access to Gantry MLS-CAP13 (NB) (15MAY06) | 0 | | 22FEB07 | 0 | 0 | 0 | -232 | -226 | | | | • | | | | |
| S2602 | TCSS Access to Gantry MLS-CAP11 (NB) (15MAY06) | 0 | | 22FEB07 | 0 | 0 | 0 | -232 | -226 | | | | • | | | | |
| S2622 | TCSS Access to Gantry MLS-CAP12 (SB) (11JUN06) | 0 | | 22FEB07 | 0 | 0 | 0 | -210 | -226 | - | | | • | | | | |
| S2402 | TCSS Access to Gantry MLS-CAP16 (S.E.) (11JUN06) | 0 | | 24FEB07 | 0 | 0 | 0 | -212 | -107 | | | | • | | | | |
| Noise Ba | rrier Works by ACCIONA | | | | | | | 1 1 | | | | | | | | | |
| | Access for 7m N.B. Works by Acciona at BV South | 77 | 23JUN06A | 18APR07 | 30 | 0 | 45 | 182 | -173 | | | | | | | | |
| S2612 | Access for S-Enclosure Works (Primary Elements) | 90 | 08JUL06A | 18JUN07 | 0 | 0 | 95 | -212 | -202 | | | | | | | | |
| S2662 | 1Access for 5m N.B. Works by Acciona at BV South | 90 | 27SEP06A | 14MAY07 | 0 | 0 | 66 | 161 | -149 | | | | | | | | |
| BUTTE | RFLY VALLEY E&M WORKS | 1 | 1 1 | | 1 1 | | | 1 1 | | | | | | | | | |
| Noise Er | nclosure 6 at South Portal Area | | | | | | | | | | | | | | | | |
| 8372 | LckVd NE6 - Elect Works 1st Fix | 30 | 21FEB07* | 30JUN07 | 0 | 0 | 30 | -203 | -192 | | | l | | | | | |
| 8382 | LckVd NE6 - Elect Works 2nd Fix | 24 | 07MAR07 | 09JUL07 | 0 | 0 | 24 | -203 | -192 | | | | | | | | |
| 8392 | LckVd NE6 - Elect Cabling ENT SPB to N.E. | 9 | 28MAR07 | 16JUL07 | 0 | 0 | 9 | -203 | -192 | | | | | - | | | |
| 8402 | LckVd NE6 - Elect Works Fin Fix | 12 | 28MAR07 | 16JUL07 | 0 | 0 | 12 | -203 | -192 | | | | | - | | | |
| | | | 1 | | | | | | | | | | • • • | | | | - |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | | MAR | APR | MAY | JUN |
|------------|-------------------------------------------------|------|----------|---------|--------|----------|------|-------|--------------|----------------|-----------------------|-----------------|--------|-----------------|-----------------|--------------------|----------------|
| ID | Description | Dur | | Finish | Compl. | % Comp | | Float | Early Finish | 39 11 18 25 | 40 1 8 15 22 2 | 41 9 5 12 19 | 26 5 1 | 42 2 19 26 2 | 43 2 9 16 23 | 44 30 7 14 21 2 | 45 8 4 11 1 |
| Butterfly | Valley Miscellaneous E&M Works | | | | | | | | | | | | | | | | |
| | Butterfly Valley - Elect Works 1st Fix | 42 | 27JAN07A | 06MAR07 | 80 | C |) 12 | -79 | -109 | | | | | | | | |
| 8430 | Butterfly Valley - Elect Works 2nd Fix | 36 | 16JAN07A | 17MAR07 | 40 | C |) 22 | -79 | -113 | - | | | | | | | |
| 8420 | Butterfly Valley - Cabling | 24 | 25JAN07A | 24MAR07 | 80 | C | 8 | -79 | -113 | - | | | | | | | |
| 8410 | Butterfly valley - Elect Works Fin Fix | 24 | 21FEB07 | 24MAR07 | 0 | C | 24 | -79 | -113 | - | | | | | | | |
| 8400 | Butterfly Valley - Ready for Energization | 0 | | 26MAR07 | 0 | C | 0 0 | -79 | -113 | - | | | | • | | | |
| | DRAINAGE DIVERSIONS | | | | | | | | | | | | | | | | |
| Filling | | _ | 1 | | | | _ | | | | | | | | | | |
| S2680 | Fill on top of Box Culvert 45 & culvert A | 9 | 20JAN07A | 20MAR07 | 80 | C |) 7 | 203 | -221 | | | | | | | | |
| EARTH | NORKS & SLOPEWORKS | | | | | | | | | | | | | | | | |
| SLOPE S | SP-S2 & SP-S3 | | | | | | | | | | | | | | | | |
| S2370 | Remaining Works to Slopes SP-S3 & SP-S2 | 24 | 19JUL06A | 15MAR07 | 5 | C | 20 | -88 | -217 | | | | | | | | |
| SLOPE E | 3V-S2 | | | | | | | | | | | | | | | | |
| 20.500.130 | | | | | | | | | | | | | | | | | |
| | BV-S2 Berm 9 hydro-seeding & tensar mat | 12 | 240CT06A | 05MAR07 | 90 | C | 6 | -91 | -226 | | | | | | | | |
| | BV-S2 Berm 10 hydro-seeding & tensar mat | 12 | 15MAR07 | 28MAR07 | 0 | C |) 12 | -99 | -234 | | | | | | | | |
| | DRAINAGE | | 1 | | 1 | | | | I | | | | | | | | |
| | BV-S2 Berm 9 Surface drainage | | 01MAR06A | 26FEB07 | 90 | 30 | | -99 | -234 | | | | | _ | | | |
| 103697 | BV-S2 Berm 10 Surface drainage | 14 | 27FEB07 | 14MAR07 | 0 | C |) 14 | -99 | -234 | | | | | | | | |
| SLOPE E | 3V-S4 | | | | | | | | | | | | | | | | |
| SLOPE FIN | | | | | | | | | | | | | | | _ | | |
| | BV-S4/3a-4a & 5 hydro-seeding & tensarmat | 12 | 12SEP05A | 11APR07 | 90 | 70 | 30 | -182 | -248 | | | | | | - | | |
| | 11nw/434 BV-S4/1-2-3bcd-4b Hydro-seed/Tensarmat | 18 | 10MAR07 | 30MAR07 | 0 | C |) 18 | -176 | -248 | | | | | | | | |
| | DRAINAGE | - | | | | | _ | 1 | | | | | | | | | |
| | BV-S4/3 Surface Drainage | 8 | 17MAR05A | 09MAR07 | 80 | |) 15 | -182 | -248 | | | | | | | | |
| 103706 | BV-S4/4 Surface Drainage | 12 | 07SEP05A | 23MAR07 | 75 | 5 | 5 18 | -182 | -248 | | | | | | | | |
| SLOPE S | | | | | | | | | | | | | | | | | |
| | DRAINAGE | | | | | | _ | 1 | | | | | | | | | |
| 103711 | Sp-S1/4 Surface Drainage | 7 | 06JUL04A | 09MAR07 | 75 | 40 |) 15 | -83 | -247 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| ID Description Drg Early Early Finish Compl. Product Finish Finish Compl. Product Finish Finish Compl. Finish | 43 44 2 9 16 23 30 7 14 | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|
| RETAINING WALL BV-R2BACKFILLING 101126BV-R2(C) Granular Drain & Compacted Backfill621FEB0727FEB07006-87-235ROADWORKS - North End of BVStormwater DrainageS2430West Loop Rd. Drainage2019JAN06A06MAR07403012-123-194S2420Outstanding East Loop Rd. Drainage2824AUG06A23FEB079503-123-224Noise Barrier Footings & Sign GantriesS3360Installation of Sign Gantry on Semi Encl.421FEB0724FEB07004-212-107Road Pavement & Associated WorkImageImageImageImageImageImageImageImageImageRoad Pavement & Associated WorkImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageStormwater Footings & Sign GantriesImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImage | | |
| BACKFILLING Image: Constraint of the c | | |
| 101126 BV-R2(C) Granular Drain & Compacted Backfill 6 21FEB07 27FEB07 0 0 6 -87 -235 -235 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | | |
| Stormwater Drainage 20 19JAN06A 06MAR07 40 30 12 -123 194 S2420 Outstanding East Loop Rd. Drainage 28 24AUG06A 23FEB07 95 0 3 -123 224 Noise Barrier Footings & Sign Gantries 3360 Installation of Sign Gantry on Semi Encl. 4 21FEB07 24FEB07 0 0 4 -212 -107 Image: Control of Control | | |
| S2430 West Loop Rd. Drainage 20 19JAN06A 06MAR07 40 30 12 -123 194 S2420 Outstanding East Loop Rd. Drainage 28 24AUG06A 23FEB07 95 0 3 -123 224 Noise Barrier Footings & Sign Gantries 3360 Installation of Sign Gantry on Semi Encl. 4 21FEB07 24FEB07 0 0 4 -212 -107 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 | | |
| Noise Barrier Footings & Sign Gantries 4 21 FEB07 95 0 3 -123 224 | | |
| Noise Barrier Footings & Sign Gantries Image: Constant of Sign Gantry on Semi Encl. 4 21FEB07 24FEB07 0 0 4 -107 Image: Constant of Sign Gantry on Semi Encl. Image: Constant of Sign Gantry on Semi Encl. Image: Constant of Sign Gantry on Semi Encl. 4 21FEB07 24FEB07 0 0 4 -107 Image: Constant of Sign Gantry on Semi Encl. Image: Consta | | |
| S3360 Installation of Sign Gantry on Semi Encl. 4 21FEB07 24FEB07 0 0 4 -212 -107 Road Pavement & Associated Work Encl. 4 21FEB07 24FEB07 0 0 4 -212 -107 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 | | |
| Road Pavement & Associated Work Image: Control of the second se | | |
| | | |
| S2252 BV North - Bitu Pavement to Sth Bnd Carrig'way 24 29SEP06A 22FEB07 95 0 2 -90 | | |
| | | |
| S2262 BV North - Typ IV Pavement 40 19OCT06A 09FEB07A 100 0 -72 | | |
| S2222 BV North - Subbase to Nrth Bound Carriageway 43 11NOV06A 07MAR07 70 0 13 -99 -109 | | |
| S2540 BV North - Kerbs & CPB to Nrth Bound Carriageway 36 13NOV06A 05MAR07 70 0 11 -97 -105 | | |
| S2242 BV North - Bitu. Pavement to Nrth Bnd Carrig'way 24 20JAN07A 14MAR07 70 0 7 -99 -107 | | |
| S2900 Road Marking & White Lining (Staged for Access) 24 21FEB07 28MAR07 0 0 24 -99 -107 -107 | | |
| S3010 Installation of Road Signage (Sign Plates Only) 24 21FEB07 28MAR07 0 0 24 -99 -107 | | |
| S2920 Road Works to East Loop Rd Typ III (EVA) 13 28FEB07 14MAR07 0 0 13 -87 -209 | | |
| S2930 Road Works to West Loop Road Typ III (EVA) 13 16APR07 30APR07 0 13 -194 | | |
| S3660 NEW ACTIVITY - Road Pavement Friction Course 12 15MAR07 28MAR07 0 0 12 -99 0 | | |
| Miscellaenous Works | | |
| S3450 Erect HML 3 4 27JAN07A 27JAN07A 100 0 0 -167 | | |
| S2670 Install Twin DN200 Pipes to SPB via E. Loop Rd 18 200CT06A 27FEB07 90 0 3 -123 -209 | | |
| S2590 Installation of DN200 Fire Hydrant Pipe and FH's 24 18NOV06A 15FEB07A 100 0 0 -127 | | |
| S2690 Installation of Drip Feed Irrigation System 12 06MAR07 19MAR07 0 0 12 -91 -105 | | |
| S3000 Construct Recreated Stream 30 07MAR07 14APR07 0 0 30 -194 | | |

| Image Description Dur Start Pinal Comput. % Comput. | Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | | MAR | APR | MAY | JUN |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------|------|----------|----------|-----|----------|-----|-------|----------|------------------|-----|---------|-------|-----|-----------------|--------------------|----------------|
| ROADWORKS - South End of BV Solar Baser Controls - Significanting - Significanting - Significant MLS-CAP12 3 200EC006A 22FE037 60 0 2 210 226 Solar Baser Controls - Significant MLS-CAP1113 3 200EC006A 22FE037 25 0 2 232 226 Docting A Significant MLS-CAP1113 3 200EC006A 22FE037 25 0 2 420 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | | , | | - | - | | • | | | | 39 11 18 25 (| 40 | 29 5 12 | 19 26 | 42 | 43 2 9 16 23 | 44 30 7 14 21 2 | 45 8 4 11 1 |
| S2441 Sign gamity insultation MLS-CAP12 3 20DC00A 22FEB07 60 0 2 240 | ROADW | ORKS - South End of BV | ' | | <u>.</u> | | | | , | | | | 1 | | | | | |
| Solution | Noise Ba | arrier Footings & Sign Gantries | | | | | | | | | | | | | | | | |
| Dromphile Dromphile <thdromphile< th=""> <thdromphile< th=""> <thd< td=""><td>S2461</td><td>Sign gantry Installation MLS-CAP12</td><td>3</td><td>20DEC06A</td><td>22FEB07</td><td>50</td><td>0</td><td>2</td><td>-210</td><td>-226</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thd<></thdromphile<></thdromphile<> | S2461 | Sign gantry Installation MLS-CAP12 | 3 | 20DEC06A | 22FEB07 | 50 | 0 | 2 | -210 | -226 | | | | | | | | |
| S2740 BV Such - LV Ducts & Drawpits 20 0 LUNR06A 26 LAN07A 100 0 0 1-138 Road Pavement & Associated Woth | S3380 | Sign Gantry Installation MLS-CAP11,13 | 3 | 20DEC06A | 22FEB07 | 25 | 0 | 2 | -232 | -226 | | | | | | | | |
| Road Payment & Associated Work Second Payment & Associated Work S2600 BV Sh - Kurbs & CPB to Sh Bound Carriageway 30 12AUG06A 22FEB07 95 0 2 100 -110 S2610 BV Sh - Kurbs & CPB to Sh Bound Carriageway 30 14AUG06A 01MAR07 75 0 8 +112 -129 S2600 BV Sh - Kurbs & CPB to Nthi Bound Carriageway 30 185EP06A 08MAR07 70 0 9 +112 +117 S2970 BV Sh - Bitu. Payment to Sh Bind Carrig/way 20 205EP06A 08MAR07 90 0 2 100 -99 S2980 BV Sh - Bitu. Payment to Sh Bind Carrig/way 23 06NOV06A 22MAR07 45 0 10 +112 -106 S2990 Road Marieng & White Lining (Staged Access) 18 23MAR07 10 12 106 0 S3700 Installation of Road Signage (Sign Plates Only) 18 23MAR07 100 0 12 106 0 S3700 Installation of Road Di | Ducting & | & Drawpits | | | | 1 1 | | | | | | | | | | | | |
| S2800 BV Sth - Kerbs & CPB to Sth Bound Carriageway 30 12AUG08A 22FE807 95 0 2 100 -110 S2510 BV Sth - Tim Formation & Sbase - Nh Bnd 35 14AUG08A 01MAR07 75 0 8 -112 -129 S2500 BV Sth - Korbs & CPB to Nrth Bound Carriageway 30 18SEP06A 08MAR07 70 0 9 -112 -117 S2200 BV Sth - Bitu. Pavement to Sth Bnd Carrig/way 20 20SEP06A 08MAR07 90 0 2 -100 -99 S2300 BV Sth - Bitu. Pavement to Nth Bnd Carrig/way 20 20SEP06A 08MAR07 90 0 2 -106 S2300 BV Sth - Bitu. Pavement to Nth Bnd Carrig/way 23 60NOV06A 22MAR07 10 10 112 -106 S3190 Installation of Road Signage (Sign Plates Only) 18 23MAR07 17APR07 0 0 1 112 -106 S3270 Installation of DN 200 Fire Hydran Pipe & FHS 12 19OCT06A 05FEB07A 100 0 0 -131 S3420 | S2740 | BV South - LV Ducts & Drawpits | 20 | 01JUN06A | 26JAN07A | 100 | 0 | 0 | | -138 | | | | | | | | |
| S2800 BV Sth - Kerbs & CPB to Sth Bound Carriageway 30 12AUG08A 22FE807 95 0 2 100 -110 S2510 BV Sth - Tim Formation & Sbase - Nh Bnd 35 14AUG08A 01MAR07 75 0 8 -112 -129 S2500 BV Sth - Korbs & CPB to Nrth Bound Carriageway 30 18SEP06A 08MAR07 70 0 9 -112 -117 S2200 BV Sth - Bitu. Pavement to Sth Bnd Carrig/way 20 20SEP06A 08MAR07 90 0 2 -100 -99 S2300 BV Sth - Bitu. Pavement to Nth Bnd Carrig/way 20 20SEP06A 08MAR07 90 0 2 -106 S2300 BV Sth - Bitu. Pavement to Nth Bnd Carrig/way 23 60NOV06A 22MAR07 10 10 112 -106 S3190 Installation of Road Signage (Sign Plates Only) 18 23MAR07 17APR07 0 0 1 112 -106 S3270 Installation of DN 200 Fire Hydran Pipe & FHS 12 19OCT06A 05FEB07A 100 0 0 -131 S3420 | Road Pa | vement & Associated Work | | | 1 | 1 1 | | 1 | | | | | | | | | | |
| S2980 BV Sth - Karbs & CPB to Nrth Bound Carrigoway 30 18SEP06A 08MAR07 70 0 9 -112 -117 S2970 BV Sth - Bitu. Pavement to Sth Bnd Carrigoway 20 20SEP06A 08MAR07 90 0 2 -100 -399 S2980 BV Sth - Bitu. Pavement to Nth Bnd Carrigoway 23 06NOV06A 22MAR07 45 0 10 112 -106 S2980 Road Marking & White Lining (Staged Access) 18 23MAR07 17APR07 0 0 18 112 -106 S3100 Installation of Road Signage (Sign Plates Only) 18 23MAR07 17APR07 0 0 18 -112 -106 S4700 Installation of Road Signage (Sign Plates Only) 18 23MAR07 17APR07 0 0 12 -106 0 S4700 Installation of N200 Fire Hydrant Pipe & FH's 12 190CT06A 03FEB07A 100 0 24 -100 -106 S4200 Complete remaining roadworks within Portion B 36 11DEC06A 23JAN07A 100 0 -131 <tr< td=""><td>S2960</td><td>BV Sth - Kerbs & CPB to Sth Bound Carriageway</td><td>30</td><td>12AUG06A</td><td>22FEB07</td><td>95</td><td>0</td><td>2</td><td>-100</td><td>-110</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<> | S2960 | BV Sth - Kerbs & CPB to Sth Bound Carriageway | 30 | 12AUG06A | 22FEB07 | 95 | 0 | 2 | -100 | -110 | | | | | | | | |
| S2970 BV Sth - Bitu. Pavement to Sth Bnd Carrig way 20 20SEP06A 08MAR07 90 0 2 100 -99 S2980 BV Sth - Bitu. Pavement to Nth Bnd Carrig way 23 06NOV06A 22MAR07 45 0 10 112 -106 S2990 Road Marking & White Lining (Staged Access) 18 23MAR07 17APR07 0 0 18 112 -106 S3190 Installation of Road Signage (Sign Plates Only) 18 23MAR07 17APR07 0 0 18 112 -106 S3670 NEW ACTIVITY - Road Pavement Friction Course 12 23MAR07 10APR07 0 0 18 112 -106 S2780 Installation of DN 200 Fire Hydrant Pipe & FH's 12 19OCT06A 03FEB07A 100 0 2 -153 S2780 Installation of DN 200 Fire Hydrant Pipe & FH's 12 19OCT06A 03FEB07A 100 0 10 -166 -153 S2780 Installation of DN 200 Fire Hydrant Pipe & FH's 12 19OCT06A 23AN07A 100 0 0 -131 <tr< td=""><td>S2510</td><td>BV Sth - Trim Formation & S'base - Nth Bnd</td><td>35</td><td>14AUG06A</td><td>01MAR07</td><td>75</td><td>0</td><td>8</td><td>-112</td><td>-129</td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td></tr<> | S2510 | BV Sth - Trim Formation & S'base - Nth Bnd | 35 | 14AUG06A | 01MAR07 | 75 | 0 | 8 | -112 | -129 | | | | | • | | | |
| S2980 BV Sth - Bitu. Pavement to Nrth Bnd Carrig/way 23 06N0/V06A 22MAR07 45 0 10 -112 -106 S2990 Road Marking & White Lining (Staged Access) 18 23MAR07 17APR07 0 0 18 -112 -106 S3190 Installation of Road Signage (Sign Plates Only) 18 23MAR07 17APR07 0 0 18 -112 -106 S3670 NEW ACTIVITY - Road Pavement Friction Course 12 23MAR07 10A PR07 0 0 18 -112 -106 0 Macelianeous Works | S2950 | BV Sth - Kerbs & CPB to Nrth Bound Carriageway | 30 | 18SEP06A | 08MAR07 | 70 | 0 | 9 | -112 | -117 | | | | | | | | |
| S2990 Road Marking & White Lining (Staged Access) 18 23MAR07 17APR07 0 0 18 112 -106 S3190 Installation of Road Signage (Sign Plates Only) 18 23MAR07 17APR07 0 0 18 112 -106 S3670 NEW ACTIVITY - Road Pavement Friction Course 12 23MAR07 10APR07 0 0 12 -106 0 Miscellaneous Works S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S | S2970 | BV Sth - Bitu. Pavement to Sth Bnd Carrig'way | 20 | 20SEP06A | 08MAR07 | 90 | 0 | 2 | -100 | -99 | | | | | | | | |
| S3190 Installation of Road Signage (Sign Plates Only) 18 23MAR07 17APR07 0 0 18 -112 -106 S3670 NEW ACTIVITY - Road Pavement Friction Course 12 23MAR07 10APR07 0 0 12 106 0 Miscellaneous Works | S2980 | BV Sth - Bitu. Pavement to Nrth Bnd Carrig'way | 23 | 06NOV06A | 22MAR07 | 45 | 0 | 10 | -112 | -106 | | | | | | | | |
| S3670 NEW ACTIVITY - Road Pavement Friction Course 12 23MAR07 10APR07 0 0 12 -106 0 Miscellaneous Works S2790 Installation of DN 200 Fire Hydrant Pipe & FH's 12 19OCT06A 03FEB07A 100 0 0 -153 S2780 Install & Commission Weighbridge 24 23MAR07 24APR07 0 0 24 -100 -106 LLVV Works at Abutment M S3420 Complete remaining roadworks within Portion B 36 11DEC06A 23JAN07A 100 0 0 -131 DSD Maintenance Rd DSD1-1 (Acciona Interface) S3570 WSD Slope Reinstatement 18 14MAR07 03APR07 0 0 18 -106 -239 S2380 Complete DSD1-1 Surface Drainage & CP's 18 21FEB07* 13MAR07 0 0 18 -106 -239 S2380 Complete DSD1-1 Surface Drainage & CP's 18 21FEB07* 13MAR07 0 0 18 -106 -239 S2460 LKJV Regain Access at Pier 20 0 13MAR07 0 0 18 -10 | S2990 | Road Marking & White Lining (Staged Access) | 18 | 23MAR07 | 17APR07 | 0 | 0 | 18 | -112 | -106 | | | | | | | | |
| Miscellaneous Works Miscellaneous Works< | S3190 | Installation of Road Signage (Sign Plates Only) | 18 | 23MAR07 | 17APR07 | 0 | 0 | 18 | -112 | -106 | | | | | | | | |
| S2790 Installation of DN 200 Fire Hydrant Pipe & FH's 12 190CT06A 03FEB07A 100 0 0 -153 S2780 Install & Commission Weighbridge 24 23MAR07 24APR07 0 0 24 -100 -106 LKJV Works at Abutment M | S3670 | NEW ACTIVITY - Road Pavement Friction Course | 12 | 23MAR07 | 10APR07 | 0 | 0 | 12 | -106 | 0 | | | | | | | | |
| S2790 Installation of DN 200 Fire Hydrant Pipe & FH's 12 190CT06A 03FEB07A 100 0 0 -153 S2780 Install & Commission Weighbridge 24 23MAR07 24APR07 0 0 24 -100 -106 LKJV Works at Abutment M | Miscellar | l Deous Works | | | | | | | | | | | | | | | | |
| LKJV Works at Abutment M S3420 Complete remaining roadworks within Portion B 36 11DEC06A 29JAN07A 100 0 0 | | | 12 | 190CT06A | 03FEB07A | 100 | 0 | 0 | | -153 | | | | | | | | |
| S3420 Complete remaining roadworks within Portion B 36 11DEC06A 29JAN07A 100 0 -131 DSD MAINTENANCE ROAD DSD Maintenance Rd DSD1-1 (Acciona Interface) S3570 WSD Slope Reinstatement 18 14MAR07 03APR07 0 0 18 -106 -239 S2340 ACCIONA - Remove Crane Platform 18 21FEB07* 13MAR07 0 0 18 -106 -239 S2380 Complete DSD1-1 Surface Drainage & CP's 18 21FEB07* 13MAR07 0 0 18 -106 -239 S2460 LKJV Regain Access at Pier 20 0 0 13MAR07 0 0 106 -239 | S2780 | Install & Commission Weighbridge | 24 | 23MAR07 | 24APR07 | 0 | 0 | 24 | -100 | -106 | | | | | | | | |
| S3420 Complete remaining roadworks within Portion B 36 11DEC06A 29JAN07A 100 0 -131 DSD MAINTENANCE ROAD DSD Maintenance Rd DSD1-1 (Acciona Interface) S3570 WSD Slope Reinstatement 18 14MAR07 03APR07 0 0 18 -106 -239 S2340 ACCIONA - Remove Crane Platform 18 21FEB07* 13MAR07 0 0 18 -106 -239 S2380 Complete DSD1-1 Surface Drainage & CP's 18 21FEB07* 13MAR07 0 0 18 -106 -239 S2460 LKJV Regain Access at Pier 20 0 0 13MAR07 0 0 106 -239 | LKJV Wo | prks at Abutment M | | | <u> </u> | | | | | <u> </u> | | | | | | | | |
| DSD Maintenance Rd DSD1-1 (Acciona Interface) S3570 WSD Slope Reinstatement 18 14MAR07 03APR07 0 18 -04 -215 S2340 ACCIONA - Remove Crane Platform 18 21FEB07 13MAR07 0 0 18 -106 -239 S2380 Complete DSD1-1 Surface Drainage & CP's 18 21FEB07* 13MAR07 0 0 18 -106 -125 S2460 LKJV Regain Access at Pier 20 0 13MAR07 0 0 0 -106 -239 | | | 36 | 11DEC06A | 29JAN07A | 100 | 0 | 0 | | -131 | | | | | | | | |
| DSD Maintenance Rd DSD1-1 (Acciona Interface) S3570 WSD Slope Reinstatement 18 14MAR07 03APR07 0 18 -04 -215 S2340 ACCIONA - Remove Crane Platform 18 21FEB07 13MAR07 0 0 18 -106 -239 S2380 Complete DSD1-1 Surface Drainage & CP's 18 21FEB07* 13MAR07 0 0 18 -106 -125 S2460 LKJV Regain Access at Pier 20 0 13MAR07 0 0 0 -106 -239 | | | 1 | I | I | | | 1 | 1 | I | | | | | | | | |
| S3570 WSD Slope Reinstatement 18 14MAR07 03APR07 0 0 18 -104 -215 S2340 ACCIONA - Remove Crane Platform 18 21FEB07 13MAR07 0 0 18 -106 -239 S2380 Complete DSD1-1 Surface Drainage & CP's 18 21FEB07* 13MAR07 0 0 18 -106 -125 S2460 LKJV Regain Access at Pier 20 0 13MAR07 0 0 0 -239 | | | | | | | | | | | | | | | | | | |
| S2380 Complete DSD1-1 Surface Drainage & CP's 18 21FEB07* 13MAR07 0 0 18 -105 S2460 LKJV Regain Access at Pier 20 0 13MAR07 0 0 0 -125 | | , , , , , , , , , , , , , , , , , , , | 18 | 14MAR07 | 03APR07 | 0 | 0 | 18 | -104 | -215 | | | | | | | | |
| S2460 LKJV Regain Access at Pier 20 0 13MAR07 0 0 -106 -239 | S2340 | ACCIONA - Remove Crane Platform | 18 | 21FEB07 | 13MAR07 | 0 | 0 | 18 | -106 | -239 | | | | | | | | |
| | S2380 | Complete DSD1-1 Surface Drainage & CP's | 18 | 21FEB07* | 13MAR07 | 0 | 0 | 18 | -106 | -125 | | | | | | | | |
| S3140 Complete Sub-base & kerbs at DSD1-1 12 14MAR07 27MAR07 0 0 12 -106 -125 Image: Complete Sub-base & kerbs at DSD1-1 | S2460 | LKJV Regain Access at Pier 20 | 0 | | 13MAR07 | 0 | 0 | 0 | -106 | -239 | | | | | • | | | |
| | S3140 | Complete Sub-base & kerbs at DSD1-1 | 12 | 14MAR07 | 27MAR07 | 0 | 0 | 12 | -106 | -125 | | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | | MAR | APR | MAY | JUN |
|---------|----------------------------------------------|------|----------|----------|--------|----------|-----|-------|----------|----------------|-------------------|----------------|------|------------------|-----------------|------------|-----------------|
| ID | Description | Dur | | Finish | Compl. | % Comp | | Float | | 39 11 18 25 | 40 1 8 15 22 2 | 41 9 5 12 1 | 9 26 | 42 5 12 19 26 | 43 2 9 16 23 | 30 7 14 21 | 45 28 4 11 1 |
| DSD Ma | aintenance Rd DSD1-1 (Acciona Interface) | | | | | | | | | | | | | | | | |
| S3150 | Complete Surfacing at DSD1-1 (Type IV) | 8 | 28MAR07 | 10APR07 | 0 | 0 | 8 | -106 | -125 | | | | | | | | |
| DSD Ma | aintenanace Rd DSD1 (Parallel to Channel) | | | | | | | | | | | | | | | | |
| S3210 | 2 No. Cross Rd Pipes & Roadside Gullies | 12 | 01MAR06A | 22FEB07 | 90 | 80 | 2 | -129 | -237 | | | | | | | | |
| S2830 | Twin DN200 Water Pipe | 45 | 02MAY06A | 02FEB07A | 100 | 1 | 0 | | -184 | | | | | | | | |
| S3390 | Complete Formation at DSD1 | 6 | 02DEC06A | 22FEB07 | 70 | 0 | 2 | -155 | -192 | | | | | | | | |
| S2700 | Access rd DSD1 -barrier footings | 12 | 21FEB07 | 06MAR07 | 0 | 0 | 12 | -92 | -196 | _ | | • | | | | | |
| S3120 | DN 200 Watermain Diversion EB18 - EB70 | 40 | 23FEB07 | 14APR07 | 0 | 0 | 40 | -155 | -192 | = | | | | | | | |
| S2730 | Construct Recreated Stream | 45 | 16APR07 | 08JUN07 | 0 | 0 | 45 | -155 | -173 | | | | | | | | |
| S3220 | Subbase & Kerbs | 18 | 15DEC06A | 19MAR07 | 60 | 0 | 5 | -98 | -112 | | | | | | | | |
| S2720 | Access rd DSD1 - Barriers | 12 | 07MAR07 | 20MAR07 | 0 | 0 | 12 | -92 | -196 | - | | | | | | | |
| S3160 | REINSTATE BV ACCESS | 0 | | 10APR07 | 0 | 0 | 0 | -106 | -125 | - | | | | | • | | |
| S3230 | Surfacing (Type IV) | 12 | 14MAR07 | 27MAR07 | 0 | 0 | 12 | -98 | -113 | - | | | | | | | |
| Terrain | Mitigation | 1 | 1 | | | | 1 | 1 | I | | | | | | | | |
| NTMM - | | | | | | | | | | | | | | | | | |
| 102350 | NTMM - Afforestation of Area | 60 | 22MAR06A | 15MAR07 | 55 | 5 | 20 | -88 | -233 | | | | | | | | |
| Landsca | aping & Establishment | | | | | | | | | | | | | | | | |
| 101476 | BV - Soft Landscaping & Planting | 100 | 03JUN06A | 16MAY07 | 38 | 0 | 30 | -66 | -22 | | | | | | | | |
| 101475 | BV - Hard Landscaping | 90 | 03JAN07A | 10MAY07 | 36 | 0 | 24 | -156 | -182 | = | | | | | | | |
| 101477 | BV - Establishment works | 365 | 17MAY07 | 15MAY08 | 0 | 0 | 365 | -173 | -26 | | | | | | _ | | |
| | OUTH PORTAL VENTILATION BUILDING | | | | | | | | | | | | | | | | |
| SUBMIT | TALS & APPROVALS | | | | | | | | | | | | | | | | |
| E&M EQ | PT.& MATERIAL APPROVALS | | | | | | | | | | | | | | | | |
| 1919 | SP.Bldg Approve doors details | 24 | 07MAY05A | 26FEB07 | 80 | 80 | 5 | -139 | -235 | | | | | | | | |
| PROCU | REMENT - MATERIAL | | | | | | | | | | | | | | | | |
| ABWF | WORKS | | | | | | | | | | | | | | | | |
| 1979 | SP.Bldg Procure expanded metal mesh cladding | 180 | 06JUN05A | 02MAR07 | 80 | 80 | 9 | -156 | -239 | | | | | | | | |
| | | 1 | ı I | | | | | | 1 | | | | | | | - | |

| ID ABWF V 2018 | Description | | | Early | % | Target 1 | | Total | Variance | DEC 39 | 40 | 41 | | 42 | 43 | 44 | JUN 45 |
|-----------------------------|--------------------------------------------------|-----|------------|----------|------------|----------|-----|-------|--------------|-----------|----|----|---|----|----|--------------|-----------|
| | | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | | | | | | | 30 7 14 21 2 | |
| 2018 | VORKS | | | | | | | | | | | | | | | | |
| | SP.Bldg Initial deliver fall arrest roof syst | 0 | 21FEB07* | | 0 | 0 | 0 | -99 | -192 | | | | | | | | |
| 2019 | SP.Bldg Initial deliver of slate cladding | 0 | 21FEB07* | | 0 | 0 | 0 | -123 | -167 | - | | | | | | | |
| 2030 | SP.Bldg Initial deliver balust & metal works | 0 | 21FEB07* | | 0 | 0 | 0 | -99 | -192 | | | | | | | | |
| 2025 | SP.Bldg- Initial deliver exp metal mesh cladding | 0 | 31MAR07* | | 0 | 0 | 0 | -156 | -187 | - | | | | 4 | • | | |
| CONST | RUCTION | | | | | | | | | | | | | | | | |
| South P | ortal Bldg CIVIL & ABWF WORKS | | | | | | | | | | | | | | | | |
| ABWF W | | | | | | | | | | | | | | | | | |
| | nternal Works GF | | | | | | 1 | | | | | | | | | | |
| T2760 | GF - Paint touch up & Doors | 12 | 22NOV06A | 28FEB07 | 70 | 0 | 6 | -75 | -158 | | | | | | | | |
| | ternal Works 1F & LP | | | | | | | | | | | | | | | | |
| | 1F & LP - Paint touch up & Doors | 12 | 11DEC06A | 15MAR07 | 85 | 0 | 2 | -88 | -207 | | | | | | | | |
| | nternal Works 2F | | <u>т</u> т | | 1 1 | | 1 | | | | | | | | | | |
| | 2F - Paint touch up & Doors | 12 | 29NOV06A | 26FEB07 | 70 | 0 | 4 | -73 | -115 | | | | | | | | |
| | nternal Works 3/F | 1 | 1 1 | | 1 1 | | | | | - | | | | _ | | | |
| | 3F - Paint touch up & Doors | 12 | 06FEB07A | 15MAR07 | 70 | 0 | 6 | -88 | -168 | | | | | | | | |
| | nternal Works 4F & Above | | 1 | | 1 - 1 | | 1 | | | - | | | | _ | | | |
| | 4F - Paint touch up & Doors | 12 | 30MAR07 | 17APR07 | 0 | 0 | 12 | -112 | -114 | | | | | | | | |
| | ernal Facade | | 1 | | - <u> </u> | | 1 | 1 1 | | | | | | _ | | | |
| T2710 | Ent SPB - Install Aluminum louvres & doors | 90 | 26JUL06A | 13MAR07 | 80 | 0 | 18 | -139 | -106 | | | | | | | | |
| T2730 | Ent SPB - 25thk Roof Screed & Roofing Tiles | 18 | 18DEC06A | 30JAN07A | 100 | 0 | 0 | | -118 | | | | | | | | |
| T2410 | Ent SPB - External Wall Painting | 34 | 20DEC06A | 27FEB07 | 85 | 0 | 6 | -105 | -144 | | | | | | | | |
| T2400 | Ent SPB - Alum. Comp Panel Cladding to Ext Walls | 60 | 20JAN07A | 06MAR07 | 80 | 0 | 12 | -99 | -93 | | | | | | | | |
| T2540 | Ent SPB - Slate Cladding above NB/SB Carriageway | 36 | 21FEB07 | 03APR07 | 0 | 0 | 36 | -123 | -167 | | | • | | | | | |
| T2360 | Ent SPB - GMS,S/S Channel, Balustrade & Railing | 24 | 28FEB07 | 27MAR07 | 0 | 0 | 24 | -105 | -139 | | | | - | | | | |
| T2390 | Ent SPB - Expanded metal cladding to Ext Walls | 36 | 31MAR07 | 17MAY07 | 0 | 0 | 36 | -156 | -187 | | | | | | | | |
| T2365 | Ent SPB - Removed External Scaffolding | 12 | 18MAY07 | 01JUN07 | 0 | 0 | 12 | -156 | -150 | | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | | Total | Variance | DEC 39 | JAN 40 | FEB | | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|------------|---------------------------------------------|-------|------------|-----------|--------|----------|-----|-------|--------------|-----------|-----------|-----|--------|-----------|-----------|--------------|-----------|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | | | | 9 26 5 | | | 30 7 14 21 2 | |
| ENT So | uth Portal Bldg BUILDING SERVICES | | | | | | | | | | | | | | | | |
| | WORKS | | | | | | | | | | | | | | | | |
| | Portal Bldg (G/F) - E & M Works | 1.1.5 | | | | | | | | | | | | | | | |
| EM1300 | Installation of FS Pumps and Pipework at GF | 18 | 25OCT06A | 21FEB07 | 98 | 0 | 1 | -75 | -200 | | | | | | | | |
| T2320 | Installation of Earth Mat at SP Bldg | 30 | 08NOV06A | 22JAN07A | 100 | 0 | 0 | | -177 | | | | | | | | |
| 12020 | Installation of Earth Mat at of Blog | 00 | 00110 0000 | ZZJANOTA | 100 | 0 | | | -177 | | | | | | | | |
| ENT Sout | Portal Bldg (1F/Lwr Plen) - E & M Work | | | | | | | | | | | | | | | | |
| EM1310 | Installation of Compressor | 18 | 21FEB07 | 13MAR07 | 0 | 0 | 18 | -88 | -217 | | | | | | | | |
| | h Portal Bldg (2F/Silencer) - E & M Work | | | | | | | | | | | | | | | | |
| r | BS Works for Genset | 18 | 24JUN06A | 21FEB07 | 98 | 0 | 1 | -158 | -186 | | | | | | | | |
| | | 10 | 24001100/1 | ZII EDOI | 50 | 0 | ' | | 100 | | | | | | | | |
| EM1140 | E&M Works in Corridors 2/F | 24 | 24JUN06A | 21FEB07 | 98 | 0 | 1 | -159 | -168 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| EM1030 | BS Works for HV Sw + Tx | 12 | 12JUL06A | 30JAN07A | 100 | 0 | 0 | | -176 | | | Ţ | | | | | |
| | O an a st la stallation | | 04050004 | 07140007 | 98 | 0 | - | 450 | 100 | | | | | | | | |
| EMIT20 | Genset Installation | 36 | 04SEP06A | 07MAR07 | 98 | 0 | 2 | -158 | -162 | | | | | | | | |
| EM1175 | BS Works for TVS Plenums | 30 | 11SEP06A | 22FEB07 | 95 | 0 | 2 | -155 | -174 | | | | | | | | |
| | | | | | | - | | | | | | | | | | | |
| | Portal Bldg (3F/ Fan Rm) - E & M Works | | · · · · | | · · · | | | | | | | | | | | | |
| EM1060 | BS Works for LV Sw, MCC, UPS, LCC | 12 | 31JUL06A | 22FEB07 | 98 | 0 | 2 | -160 | -192 | | | | | | | | |
| | E&M Works in Corridors 3/F | 24 | 31JUL06A | 22FEB07 | 00 | 0 | - | 400 | 400 | | | | | | | | |
| EIVITIOU | | 24 | 3 IJULU6A | ZZFEBU/ | 98 | 0 | 2 | -166 | -168 | | | | | | | | |
| EM1090 | BS Works for 110V Charger Rm | 12 | 01AUG06A | 01MAR07 | 98 | 0 | 2 | -166 | -162 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| EM1170 | Termination of overall Elect HV & LV Sys | 30 | 150CT06A | 15MAR07 | 90 | 0 | 5 | -166 | -112 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | n Portal Bldg (4F/Upr Plen) - E & M Work | 100 | 22AUG06A | 29MAR07 | 98 | 0 | 5 | -155 | -114 | | | | | | | | |
| | | 100 | 22406004 | ZJINARUT | 30 | 0 | 5 | -155 | -114 | | | | | | | | |
| Testing ar | d Commissioning | | | | | | | | | | | | | | | | |
| EM1050 | HV Sw + Tx Termination + T&C | 30 | 04DEC06A | 15FEB07A | 100 | 0 | 0 | | -91 | | | | | | | | |
| | | - | | | | | - | | | | | | | | | | |
| EM1100 | 110V Charger Rm Installation + T&C | 12 | 20DEC06A | 08MAR07 | 98 | 0 | 3 | -166 | -156 | | | | | • | | | |
| EM1080 | LV Sw, MCC, UPS, LCC Termination + T&C | 30 | 06JAN07A | 15MAR07 | 90 | 0 | 3 | -166 | -132 | - | | | | | | | |
| | | 00 | OUSANOTA | ISIMATOI | 50 | 0 | 5 | -100 | -152 | | <u> </u> | | | | | | |
| EM1130 | Genset Termination + T&C | 12 | 21FEB07 | 14MAR07 | 0 | 0 | 12 | -158 | -156 | | | (| | | | | |
| | | | | | | | | | | | | | | | | | |
| EM1190 | Integrated E&M System T&C | 52 | 11APR07 | 14JUN07 | 0 | 0 | 52 | -179 | -108 | | | | | | | | |
| Statistar | nspection & Issued Certificates | | | | | | | | | | | | | | | | |
| · · · · | CLP insp. | 18 | 15FEB07A | 15FEB07A | 100 | 0 | 0 | | -72 | | | | | | | | |
| | | | | .o. Lbork | | 0 | Ĭ | | | | | | | | | | |
| | · | | · | | | | | | | | | | | | | - | - |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC 39 | JAN 40 | FEB | | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|------------|-------------------------------------------------|------|----------|---------|--------|----------|-----|-------|--------------|-----------|-----------|-----|------------|-----------|-----------|--------------|-----------|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | | | | 9 26 5 | | | 30 7 14 21 2 | |
| | spection & Issued Certificates | | | | | | 1. | | | - | | | | _ | | | |
| EM1200 | Submit WR1 to CLP | 1 | 21MAR07 | 21MAR07 | 0 | 0 | 1 | -170 | -116 | | | | | | | | |
| EM1220 | Energization at ENT SP Bldg | 0 | | 21MAR07 | 0 | 0 | 0 | -170 | -98 | | | | | • | | | |
| EM1320 | Submit Form WWO46 for Water Supply to WSD | 30 | 07MAR07 | 14APR07 | 0 | 0 | 30 | -129 | -208 | | | | | | | | |
| EM1340 | Water Supply Certificate issued | 0 | | 14APR07 | 0 | 0 | 0 | -129 | -208 | - | | | | | • | | |
| EAGLE | S NEST TUNNEL | | | | | | | | | | | | | | | | |
| Contrac | t defined dates, stages & sections | | | | | | | | | | | | | | | | |
| | cess & vacation dates | | | | | | | | | | | | | | | | |
| | Access to Portions - F1 (U/Gnd Sth Portal) | 0 | 200CT03A | | 100 | 100 | 0 | | -292 | | | | | | | | |
| ACS_F2 | Access to Portions - F2 (U/Gnd Sth Tunnel) | 0 | 200CT03A | | 100 | 100 | 0 | | -292 | - | | | | | | | |
| Design | & Engineering - Temporary Works | | | | | | | | | | | | | | | | |
| Perman | ent Works | | | | | | | | | | | | | | | | |
| Tunnel | | | | | | | | | | | | | | | | | |
| 1668 | Eng Approve Dsg X-passage/Adit Fire Doors | 12 | 21FEB07 | 06MAR07 | 0 | 0 | 12 | 165 | -239 | | | (| | | | | |
| 1669 | Issue Constr Dwgs X-passage/Adit Fire Doors | 0 | | 06MAR07 | 0 | 0 | 0 | 165 | -239 | | | | \diamond | | | | |
| Procure | ment - Material | | | | 1 1 | | | | | | | | | | | | |
| | ng Project Wide | | | | | | | | | | | | | | | | |
| | Order/Manufact/Del Fire Doors | 50 | 07MAR07 | 09MAY07 | 0 | 0 | 50 | 165 | -239 | | | | | | | | |
| Constru | iction Works | | | | 1 | | 1 | | | | | | | | | | |
| Tunnel I | Drive North Bound | | | | | | | | | | | | | | | | |
| | inishing Works | | | | | | | | | | | | | | | | |
| | NB Cleaning/Inspection & Install Induction Loop | 12 | 23APR07 | 07MAY07 | 0 | 0 | 12 | -110 | -78 | | | | | | | | |
| Bituminous | Pavement | | | | | | | | | | | | | | | | |
| 3601 | NB Base Course - RHS 650m Ch 1730->1080 | 4 | 28NOV06A | 21FEB07 | 98 | 0 | 1 | -93 | -212 | | | | | | | | |
| 3605 | NB Base Course - LHS 650m Ch 1730->1080 | 4 | 28NOV06A | 21FEB07 | 98 | 0 | 1 | -93 | -200 | | | | | | | | |
| 1349 | NB Wearing Course - RHS 650m Ch3030->2380 | 4 | 14MAR07 | 17MAR07 | 0 | 0 | 4 | -110 | -78 | | | | | | | | |
| 1359 | NB Wearing Course - RHS 650m Ch2380->1730 | 4 | 19MAR07 | 22MAR07 | 0 | 0 | 4 | -110 | -78 | | | | | | | | |
| 1369 | NB Wearing Course - RHS 650m Ch1730->1080 | 4 | 23MAR07 | 27MAR07 | 0 | 0 | 4 | -110 | -78 | | | | | | | | |
| 1379 | NB Wearing Course - LHS 650m Ch3030->2380 | 4 | 28MAR07 | 31MAR07 | 0 | 0 | 4 | -110 | -78 | _ | | | | | | | |
| | | | | | 1 | | 1 | | | | | | | | | - | |

| Act. | Activity | Orig | - | Early | % | Target 1 | | Total | Variance | DEC 39 | JAN 40 | FEB 41 | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|----------|---------------------------------------------------------|------|----------|----------|--------|----------|-----|-------|--------------|------------------------------------|-------------------------------------|-----------|--------------|-----------|---------------|-----------|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | 11 18 25 | 1 ₁ 8 ₁ 15 22 | 29 5 12 1 | 9 26 5 12 19 | 26 2 9 16 | 23 30 7 14 21 | 28 4 11 1 |
| | s Pavement NB Wearing Course - LHS 650m Ch2380->1730 | 4 | 02APR07 | 10APR07 | 0 | 0 | 4 | -110 | -78 | | | | | | | |
| 1399 | NB Wearing Course - LHS 650m Ch1730->1080 | 4 | 11APR07 | 14APR07 | 0 | 0 | 4 | -110 | -78 | | _ | | | | | |
| 1339 | NB Road Marking 1950m | 18 | 16APR07 | 07MAY07 | 0 | 0 | 18 | -110 | -78 | | | | | | | |
| VE Panel | Installation | | | | | | | | | | | | | | | |
| 3616 | NB - VE Panel Sub-Frame Installation | 60 | 310CT06A | 12FEB07A | 100 | 0 | 0 | | 0 | | | | | | | |
| 3636 | NB - VE Panel Installation | 55 | 02JAN07A | 10MAR07 | 70 | 0 | 11 | -108 | 0 | | | | | | | |
| 3656 | NB - Niche Cabinets | 50 | 09JAN07A | 22MAR07 | 70 | 0 | 15 | -98 | 0 | | | | | | | |
| 3646 | NB - Bespoke Panels (Niches) | 20 | 21FEB07 | 03APR07 | 0 | 0 | 20 | -98 | 0 | | | | | | | |
| ENT NB | TUNNEL - (E&M) BUILDING SERVICES | | | | | | | | | | | | | | | |
| MVAC / T | Innel Ventilation Syst Above OHVD | | | | | | | | | | | | | | | |
| | Ent NB - Install Motorised Smoke & Fire Dampers | 72 | 04JAN06A | 21FEB07 | 99 | 45 | 1 | -176 | -211 | | | | | | | |
| | Ent NB - Comp Air Pipes/Condts to E/P16 to E/P21 | 36 | 10FEB06A | 22FEB07 | 95 | 40 | 2 | -170 | -206 | | | | | | | |
| | Ent NB - Comp Air Pipes/Condts to E/P15 to E/P8 | 36 | 27MAR06A | 22FEB07 | 95 | 30 | 2 | -176 | -200 | | | | | | | |
| 277966 | Ent NB - Comp Air Pipes/ Condts to E/P1to E/P7 | 36 | 13JUN06A | 01MAR07 | 95 | 0 | 2 | -176 | -170 | | | | | | | |
| 277967 | Ent NB - Cabling, Wiring and Termination | 60 | 100CT06A | 15MAR07 | 80 | 0 | 12 | -176 | -146 | | | | | | | |
| 277968 | Ent NB - MVAC Testing and T&C | 36 | 16MAR07 | 02MAY07 | 0 | 0 | 36 | -176 | -140 | | | | | | | |
| | ction System | | | | | | 1 | | | | | | _ | | | |
| | Ent NB - Install FS Conduit for Niches | 54 | | 24FEB07 | 93 | 40 | | -136 | -211 | | | | | | | |
| | Ent NB - 100d FH / HR Pipeworks & Fittings @ G/L | | 100CT06A | 07MAY07 | 99 | 0 | | -177 | -193 | | | | | | | |
| | Ent NB - FS Wiring and Terminations | 30 | | 07MAY07 | 50 | 0 | | -177 | -163 | | | | | | | |
| | Ent NB - Install Hose Reel Cabinets & Eqpt @ G/L | 48 | 21FEB07 | 21APR07 | 0 | 0 | 48 | -177 | -229 | | | | | | | |
| 277997 | Ent NB - FS Testing and T&C | 24 | 26FEB07 | 05JUN07 | 0 | 0 | 24 | -177 | -163 | | | | | | | |
| | Vorks Above OHVD | | 1 | | | | 1 | | | | | | | | | |
| | Ent NB - Placing Sandfill and PC Covers | 36 | 29AUG06A | 05MAR07 | 70 | 0 | 11 | -156 | -117 | | | | | | | |
| | Vorks Below OHVD | | 1 | | | | 1 | | | | | | | | | |
| 278012 | Ent NB - Cabling, Wirings&Term @ Ceiling/ Grd Lvl | 48 | 13JUN06A | 31JAN07A | 100 | 0 | 0 | | -117 | | | | | | | |
| | | | | | | | | | | | | | | | | |

| Act. | Activity Description | Orig Dur | - | Early Finish | % Compl. | Target 1 % Comp | - | n To r Flo | | Variance Early Finish | DEC 39 | | JAN 40 | | EB 41 | | MAR 42 | | APR 43 | MA` 44 | | JUN 45 |
|--------|---------------------------------------------------|-------------|----------|-----------------|-------------|--------------------|----|---------------|-----|--------------------------|------------|---|-----------------------------------|--------|--------------|--------|-----------------------------------|-----|-----------|-----------------------------------|-------|---------------|
| | Works Below OHVD | Dui | Start | 1 111311 | Compi. | 78 Comp | Du | | Jai | Lany Timon | 11 18 25 | | 8 15 22 | 29 5 i | 12 19 | 26 5 1 | 2 19 26 | 529 | 16 23 | 30 ₁ 7 ₁ 14 | 21 28 | <u>4</u> 11 1 |
| | Ent NB - Lighting / Equipt Testing and T&C | 60 | 15JAN07A | 18MAY07 | 10 | 0 | 45 | -16 | 64 | -177 | | | | | + | | | | | | | |
| 278011 | Ent NB-Install CCTV,Camera,Eqpt @C/LvI (By TCSS) | 72 | 21FEB07 | 21MAY07 | 0 | 0 | 72 | -1: | 39 | -221 | | | | | • | | | | | | | |
| 278083 | Place Covers on C, Trough | 18 | 21FEB07 | 13MAR07 | 0 | 0 | 18 | -1 | 10 | -131 | | | | | • | | | | | | | |
| Tunnel | Drive South Bound | | | | | | | | | | | | | | | | | | | | | |
| Tunnel | Finishing Works | | | | | | | | | | | | | | | | | | | | | |
| 2172 | 2 SB Cleaning/Inspection & Install Induction Loop | 12 | 18MAY07 | 01JUN07 | 0 | 0 | 12 | -1: | 31 | -87 | | | | | | | | | | | | |
| | Is Pavement | | | | 1 1 | | 1 | | | | | | | | | | | | | | | |
| | B Wearing Course - RHS 650m Ch3030->2380 | 4 | 31MAR07 | 04APR07 | 0 | 0 | 4 | -1: | 31 | -87 | - | | | | | | I | | | | | |
| 1370 | B Wearing Course - RHS 650m Ch 2380->1730 | 4 | 10APR07 | 13APR07 | 0 | 0 | 4 | -1: | 31 | -87 | - | | | | | | | | | | | |
| 1390 | B Wearing Course - RHS 650m Ch1730->1080 | 4 | 14APR07 | 18APR07 | 0 | 0 | 4 | -1: | 31 | -87 | _ | 1 | | | | | | | | | | |
| 1360 | BB Wearing Course - LHS 650m Ch3030->2380 | 4 | 19APR07 | 23APR07 | 0 | 0 | 4 | -1: | 31 | -87 | | - | | | | | | | | | | |
| 1380 | B Wearing Course - LHS 650m Ch2380->1730 | 4 | 24APR07 | 27APR07 | 0 | 0 | 4 | -1: | 31 | -87 | | | 1 | | | | | | | | | |
| 1400 | SB Wearing Course - LHS 650m Ch1730->1080 | 4 | 28APR07 | 03MAY07 | 0 | 0 | 4 | -1: | 31 | -87 | | | - | | | | | | | | | |
| 1340 | SB Road Marking | 18 | 04MAY07 | 25MAY07 | 0 | 0 | 18 | -1: | 31 | -87 | | | | - | | | | | | | | |
| | Installation | | | | · · | | | | | | | | | | | | | | | | | |
| | B SB - VE Panel Installation | 55 | 16AUG06A | 10FEB07A | 100 | 0 | 0 | | | 0 | | | | | | | | | | | | |
| 3663 | BB - Niche Cabinets | 50 | 28NOV06A | 26FEB07 | 90 | 0 | 5 | -1(| 03 | 0 | | | | | | | | | | | | |
| 3653 | B SB - Bespoke Panels (Niches) | 20 | 27FEB07 | 21MAR07 | 0 | 0 | 20 | -8 | 37 | 0 | | | | | - • | | | | | | | |
| 1 | TUNNEL - (E&M) BUILDING SERVICES | | | | | | | | | | | | | | | | | | | | | |
| | unnel Ventillation System Above OHVD | 70 | 31DEC05A | 0055007 | 00 | 40 | - | 4- | 77 | 04.0 | | | | | | | | | | | | |
| | Ent SB - Install Motorised Smoke & Fire Dampers | | | 22FEB07 | 99 | 40 | | -17 | | -210 | | | | | | | | | | | | |
| | Ent SB - Comp Air Pipes/Condts to E/P16 to E/P21 | | 27MAR06A | 22FEB07 | 95 | 58 | | | | -222 | | | | | | | | | | | | |
| | Ent SB - Comp Air Pipes/ Condts to E/P1 to E/P7 | 36 | | 22FEB07 | 95 | 0 | | -17 | 77 | -174 | | | | | | | | | | | | |
| | Bent SB - Cabling, Wiring and Termination | | 13JUN06A | 08MAR07 | 90 | 0 | | | 77 | -126 | | | | | | | | | | | | |
| 278019 | Ent SB - MVAC Testing and T&C | 36 | 21FEB07 | 10APR07 | 0 | 0 | 36 | -17 | 77 | -118 | | | | | | | | | | | | |
| | ction System | | | | · · · | | | | | | | | | | | | | | | | | |
| 278035 | Ent SB - Install detection system @ Ceiling Lvl | 42 | 20SEP06A | 22FEB07 | 95 | 0 | 2 | -10 | 60 | -155 | | | | | | | | | | | | |

| D Description Dut Start Final Correl. % Corp. % Corp.< | Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEE | | MAR | PR | MAY | JUN |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------|-------|---------|-----------|-----|----------|-----|-------|----------|-----|-----|----------|-----|-----|--------|-----|-----|
| Pine Name Pine Name <t< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | - | | | | | | | | | | | | | | |
| Answer | Fire Protec | tion System | 1 1 | Į | | | | | 1 | , | | | 10 0 112 | | | | | |
| 278040 Ext SB - FS Training and T&C 24 04APR07 44N4Y07 0 0 0 24 179 -159 altered Week Advert OHYO 278045 Ext SB - Phalang Samili and PC Covers 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 278039 | Ent SB - FS Wiring and Terminations | 30 10 | OCT06A | 03APR07 | 50 | 0 | 15 | -179 | -153 | | | | | | | | |
| 278040 Ext SB - FS Training and T&C 24 04APR07 0 0 0 24 178 -169 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< td=""><td>070007</td><td></td><td>40.00</td><td></td><td>00140007</td><td>50</td><td>0</td><td>0.4</td><td>470</td><td>105</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | 070007 | | 40.00 | | 00140007 | 50 | 0 | 0.4 | 470 | 105 | | | | | | | | |
| number | 278037 | Ent SB - Install Hose Reel Cabinets & Eqpt @ G/L | 48 20 | JDEC06A | 20MAR07 | 50 | 0 | 24 | -179 | -195 | | | | | | | | |
| Read Read <th< td=""><td>278040</td><td>Ent SB - FS Testing and T&C</td><td>24 0</td><td>4APR07</td><td>14MAY07</td><td>0</td><td>0</td><td>24</td><td>-179</td><td>-159</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<> | 278040 | Ent SB - FS Testing and T&C | 24 0 | 4APR07 | 14MAY07 | 0 | 0 | 24 | -179 | -159 | | | | | | | | |
| 278046 Ent SB - Placing Sandlill and PC Covers 36 07JULG6A 24FEB07 90 0 4 149 988 Meetroe Workb | | | | | | | | | | | | | | | | | | |
| Lend Mail Lend Mail | | | | | | | | | | | | | | | | | | |
| 278055 Ent SB - Cabling, Wiring & Term @ Calling / Grd LVI 48 07AUG06A 09MAR07 90 0 15 154 122 278056 Ent SB - Lighting / Equipt Testing and T&C 60 15JAN07A 18MAY07 10 0 45 164 -153 278056 Ent SB -Install CCTV.Camera, Eqpt @ CLU (by TCSS) 72 21FEB07 21MAY07 0 0 18 131 -122 278056 Place Covers on C. Trough 18 10MAR07 30MAR07 0 0 18 131 -122 278058 Place Covers on C. Trough 18 10MAR07 30MAR07 0 0 18 131 -122 278059 CP7 - Cabling, Wiring, Termination & Test 18 2AUG06A 24FEB07 95 0 2 -143 -174 278052 CP7 - Cabling, Wiring, FS detectn & Alarm Bell 48 100CT06A 28FEB07 95 0 12 -156 -144 278062 CP7 - FS Termination & Test 24 07FEB07 95 0 3 -145 -144 278062 CP7 - | 278046 | Ent SB - Placing Sandfill and PC Covers | 36 07 | 7JUL06A | 24FEB07 | 90 | 0 | 4 | -149 | -98 | | | | ┱┻╽ | | | | |
| 278055 Ent SB - Cabling, Wiring & Term @ Calling / Grd LV1 48 07AUG06A 09MAR07 90 0 15 154 -122 278056 Ent SB - Lighting / Equipt Testing and T&C 60 15JAN07A 18MAY07 10 0 45 -164 -153 278056 Ent SB -Install CCTV.Camera, Eqpt @CLM (by TCSS) 72 21FEB07 21MAY07 0 0 18 131 -122 278056 Place Covers on C. Trough 18 10MAR07 30MAR07 0 0 18 131 -122 278058 Place Covers on C. Trough 18 10MAR07 30MAR07 0 0 18 131 -122 278059 CP7 - Cabling, Wiring, Termination & Test 18 2AUG05A 24FEB07 95 0 5 -156 -144 278062 CP7 - Cabling, Wiring, FS detectn & Alarm Bell 48 10CT05A 28FEB07 95 0 5 -156 -144 278062 CP7 - FS Termination & Test 24 07FEB07 03APR07 0 0 3 145 -144 278062 </td <td>Electrical V</td> <td> Norks Below OHVD</td> <td></td> <td> </td> <td></td> <td></td> | Electrical V | Norks Below OHVD | | | | | | | | | | | | | | | | |
| 278006 Ent SB - Lighting / Equipt Testing and T&C 60 1SJANON 18MAV07 0 0 45 164 153 278006 Ent SB - Lighting / Equipt Testing and T&C 60 1SJANON 18MAV07 0 0 0 164 153 278006 Ent SB - Install CCTV, Camera, Equt @CLV (by TCSS) 72 2/FEB07 2/MAV07 0 0 0 18 134 11/2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | 48 07 | AUG06A | 09MAR07 | 90 | 0 | 15 | -154 | -122 | | | | | | | | |
| 21/000 Clin UP - Lighting righting right righting righti | | | | | | 00 | Ũ | | | | | | | | | | | |
| Processor Control | 278056 | Ent SB - Lighting / Equipt Testing and T&C | 60 15 | 5JAN07A | 18MAY07 | 10 | 0 | 45 | -164 | -153 | | | | | | | | |
| Processor Control | | | | | | | | | | | 4 | | | | | | | |
| And Mark Altranel / Cross PassAge 7 And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - (EM) BULDING SERVICES And Mark Altranel / Cross PassAge CP07 - Cabling, Wring & Termination and Test A dot A fare Be1 A dot A fare Be1 <td>278054</td> <td>Ent SB-Install CCTV,Camera,Eqpt @C/Lvl (by TCSS)</td> <td>72 2</td> <td>1FEB07</td> <td>21MAY07</td> <td>0</td> <td>0</td> <td>72</td> <td>-139</td> <td>-203</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 278054 | Ent SB-Install CCTV,Camera,Eqpt @C/Lvl (by TCSS) | 72 2 | 1FEB07 | 21MAY07 | 0 | 0 | 72 | -139 | -203 | | | | | | | | |
| And Number Versus Parsander | 070000 | | 10 1 | | 20140007 | 0 | 0 | 10 | 101 | 100 | - | | | | - | | | |
| ENT CR USS PASSAGE CP07 - (E&N) BUILDING SERVICES WMC/ Tuney Verifiation & Arest 18 28AUG06A 24 FEB07 95 0 2 143 -173 278069 CP7 - Cabling, Wiring, FS detectn & Alarm Bell 48 100CT06A 26FEB07 95 0 5 156 -144 278063 CP7 - Cabling, Wiring, FS detectn & Alarm Bell 48 100CT06A 26FEB07 50 0 5 156 -144 278063 CP7 - FS Termination & Test 24 07FEB07 120AR07 50 0 12 156 -132 278064 CP7 - FS Termination & Test 24 07FEB07 0 0 0 12 156 -144 278065 CP7 - Install Conduit, lighting & switches @ C/L 48 03JUL06A 23FEB07 98 0 3 145 -142 278065 CP7 - HV/LV Cabling, Wiring & Term to CP7 LV Rm 48 03EFEB07 95 0 3 145 -142 278067 CP7 - HV/LV Cabling, Wiring & Term to CP7 LV Rm 48 02EFEB07 95 0 3 145 -121 -121 - | 278096 | Place Covers on C. Trough | 18 1 | UNIARU7 | 301VIAR07 | 0 | 0 | 18 | -131 | -122 | | | | | | | | |
| ENT CR USS PASSAGE CP07 - (E&N) BUILDING SERVICES WMC/ Tuney Verifiation & Arest 18 28AUG06A 24 FEB07 95 0 2 143 -173 278069 CP7 - Cabling, Wiring, FS detectn & Alarm Bell 48 100CT06A 26FEB07 95 0 5 156 -144 278063 CP7 - Cabling, Wiring, FS detectn & Alarm Bell 48 100CT06A 26FEB07 50 0 5 156 -144 278063 CP7 - FS Termination & Test 24 07FEB07 120AR07 50 0 12 156 -132 278064 CP7 - FS Termination & Test 24 07FEB07 0 0 0 12 156 -144 278065 CP7 - Install Conduit, lighting & switches @ C/L 48 03JUL06A 23FEB07 98 0 3 145 -142 278065 CP7 - HV/LV Cabling, Wiring & Term to CP7 LV Rm 48 03EFEB07 95 0 3 145 -142 278067 CP7 - HV/LV Cabling, Wiring & Term to CP7 LV Rm 48 02EFEB07 95 0 3 145 -121 -121 - | Vent Ad | it Tunnel / Cross Passage 7 | 1 1 | | | 1 1 | | | 1 | | | | | | | | | |
| NMACE 1900 NUMBER 1900 | | <u> </u> | | | | | | | | | | | | | | | | |
| 278069 CP7 - Cabling, Wiring, Termination & Test 18 28AUG06A 24FEB07 95 0 2 -173 File Protection System 278062 CP7 - Cabling, Wiring, FS detectn & Alarm Bell 48 100CT06A 26FEB07 95 0 5 156 -144 278063 CP7 - FS Termination & Test 24 07FEB07A 12MAR07 50 0 12 126 -132 278066 HGC - Cabling 36 21FEB07 03APR07 0 0 36 191 -166 278066 CP7 - Install Conduit, lighting & switches @ C/L 48 03JUL06A 23FEB07 98 0 3 145 -142 278067 CP7 - HV/LV Cabling, Wiring & Term to CP7 LV Rm 48 03SEP06A 23FEB07 95 0 3 145 -142 278067 CP7 - HV/LV Cabling, Wiring & Term to CP7 LV Rm 48 03EP06A 23FEB07 95 0 3 145 -142 278067 CP7 - HV/LV Cabling, Wiring & Term to CP7 LV Rm 48 02EC06A 27FEB07 95 0 3 145 -121 <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | | | | | |
| 278062 CP7 - Cabling, Wiring, FS detecta & Alarm Bell 48 100CT06A 26FEB07 95 0 5 156 -144 278063 CP7 - FS Termination & Test 24 07FEB07A 12MAR07 50 0 12 156 -132 Electricative Works 278063 CP7 - FS Termination & Test 36 21FEB07 03APR07 0 0 36 191 -166 132 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 278059 | CP7 - Cabling, Wiring, Termination & Test | 18 28 | BAUG06A | 24FEB07 | 95 | 0 | 2 | -143 | -173 | | | | | | | | |
| 278062 CP7 - Cabling, Wiring, FS detecta & Alarm Bell 48 100CT06A 26FEB07 95 0 5 156 -144 278063 CP7 - FS Termination & Test 24 07FEB07A 12MAR07 50 0 12 156 -132 Electricative Works 278063 CP7 - FS Termination & Test 36 21FEB07 03APR07 0 0 36 191 -166 132 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | | | | | |
| Image: Normal and the state of the stat | | | | | | | | _ | | | | | | | | | | |
| 210000 01 101 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 <td< td=""><td>278062</td><td>CP7 - Cabling, Wiring, FS detecth & Alarm Bell</td><td>48 10</td><td>OCT06A</td><td>26FEB07</td><td>95</td><td>0</td><td>5</td><td>-156</td><td>-144</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | 278062 | CP7 - Cabling, Wiring, FS detecth & Alarm Bell | 48 10 | OCT06A | 26FEB07 | 95 | 0 | 5 | -156 | -144 | | | | | | | | |
| Liectrical Works Mathematical Works Mathematica | 278063 | CP7 - FS Termination & Test | 24 07 | 7FFB07A | 12MAR07 | 50 | 0 | 12 | -156 | -132 | | | | | | | | |
| 278086 HGC - Cabling 36 21FEB07 03APR07 0 0 36 191 -166 278066 CP7 - Install Conduit, lighting & switches @ C/L 48 03JUL06A 23FEB07 98 0 3 145 -142 278069 CP7 - HV/LV Cabling, Wiring & Term to CP7 LV Rm 48 20SEP06A 23FEB07 95 0 3 145 -142 278069 CP7 - HV/LV Cabling, Wiring & Term to CP7 LV Rm 48 20SEP06A 23FEB07 95 0 3 145 -142 278069 CP7 - HV/LV Cables Testing and T&C 24 15DEC06A 27FEB07 95 0 3 145 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 -121 - | | | | | | 00 | Ũ | | | | | | | | | | | |
| A best of the term A best of the term A best of term < | | | | | | | | | | | | | | | | | | |
| A control | 278086 | HGC - Cabling | 36 2 | 1FEB07 | 03APR07 | 0 | 0 | 36 | 191 | -166 | | | | | | | | |
| Arrow Control Arrow Control< | 070000 | CD7 Install Canduit lighting & quitabaa @ C/l | 40.00 | | 0055007 | 00 | 0 | 2 | 4 45 | 140 | | | | ┦┓│ | | | | |
| 278070 CP7 - HV / LV Cables Testing and T&C 24 15DEC06A 27FEB07 95 0 3 145 -121 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 218066 | | 40 00 | JULUOA | ZOFEBU/ | 90 | 0 | 3 | -145 | -142 | | | | | | | | |
| 278070 CP7 - HV / LV Cables Testing and T&C 24 15DEC06A 27FEB07 95 0 3 145 -121 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 278069 | CP7 - HV/ LV Cabling, Wiring & Term to CP7 LV Rm | 48 20 | SEP06A | 23FEB07 | 95 | 0 | 3 | -145 | -142 | | | | | | | | |
| A matrix A matrix <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<> | | | | | | | | | | | | | | | | | | |
| ENT Cross Passages End (a) (| 278070 | CP7 - HV / LV Cables Testing and T&C | 24 15 | DEC06A | 27FEB07 | 95 | 0 | 3 | -145 | -121 | | | 1 | | | | | |
| ENT Cross Passages End (a) (| | | | | | | | | | | | | | | | | | |
| CROSS PASSAGES (CP1-CP6 & CP8-CP21) - (E&M) WORK Electrical Works 278077 (CP21-CP11) - MCCB/ MCB Brd, CMCS, Busbar, Switches 72 03MAY06A 22FEB07 98 0 2 -171 -169 | 278067 | CP7 - Cabling, Wiring & Termination and Test | 24 20 | DEC06A | 27FEB07 | 95 | 0 | 3 | -145 | -121 | | | | | | | | |
| CROSS PASSAGES (CP1-CP6 & CP8-CP21) - (E&M) WORK Electrical Works 278077 (CP21-CP11) - MCCB/ MCB Brd, CMCS, Busbar, Switches 72 03MAY06A 22FEB07 98 0 2 -171 -169 | | Passages | | | | | | | | | | | | | | | | |
| Electrical Works 278077 (CP21-CP11) - MCCB/ MCB Brd, CMCS, Busbar, Switches 72 03MAY06A 22FEB07 98 0 2 -171 -169 | | | | | | | | | | | | | | | | | | |
| 278077 (CP21-CP11) - MCCB/ MCB Brd, CMCS, Busbar, Switches 72 03MAY06A 22FEB07 98 0 2 -171 -169 | | | | | | | | | | | | | | | | | | |
| | | | 72 03 | MAY06A | 22FFB07 | 98 | 0 | 2 | -171 | -169 | | | | | | | | |
| 278078 (CP1-CP10) - MCCB/ MCB Brd, CMCS, Busbar, Switches 72 03MAY06A 22FEB07 98 0 2 -171 -171 | 210011 | | | | 221 2001 | | 0 | 2 | | 100 | | | | | | | | |
| | 278078 | (CP1-CP10) - MCCB/ MCB Brd,CMCS,Busbar,Switches | 72 03 | MAY06A | 22FEB07 | 98 | 0 | 2 | -171 | -171 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| Act. | Activity | Orig | | Early | % | Target 1 | | Total | | DEC 39 | JAN 40 | FEB | | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|--------------|----------------------------------------------------------|------|---------------|----------|--------|----------|------|-------|--------------|-----------|-----------|-----|---------|-----------|-----------|--------------|-----------|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | | | | 19 26 5 | | | 30 7 14 21 2 | |
| Electrical W | orks (CP1-CP21) - Conduit,light,Signage fixt,Switches | 00 | 17 11 11 00 0 | 27FEB07 | 00 | C | | -170 | -185 | | | | | | | | |
| 278075 | (CPT-CP2T) - Conduit,light,Signage fixt,Switches | 60 | 17JUL06A | 2176807 | 90 | U | 6 | -170 | -185 | | | | | | | | |
| 278079 | (CP1-CP21) - HV & LV Cables Terminations & Test | 60 | 08AUG06A | 12MAR07 | 90 | C | 6 | -171 | -109 | | | | | | | | |
| 278076 | (CP1-CP21) - Cabling, Wiring, Termination & Test | 36 | 15AUG06A | 20MAR07 | 90 | C |) 4 | -170 | -167 | | | | | | | | |
| 278080 | (CP1-CP21) - Cables Testing and T&C | 36 | 01NOV06A | 29MAR07 | 80 | C |) 7 | -171 | -100 | | | | | | | | |
| VENTIL | ATION ADIT & BUILDING | | | | | | | | | | | | | | | | |
| PROCU | REMENT | | | | | | | | | | | | | | | | |
| 1 | ECTURAL | | | | | | | | | | | | | | | | |
| | VA Bldg Procure expanded metal mesh cladding | 60 | 06JUN05A | 02MAR07 | 50 | 50 | 9 | -160 | -239 | | | | | | | | |
| 2031 | VA Bldg Initial delivery slate cladding | 0 | 21FEB07* | | 0 | C | 0 0 | -143 | -154 | | | | | | | | |
| 2034 | VA Bldg Initial delivery fall arrest roof sys | 0 | 21FEB07* | | 0 | C | 0 | -105 | -185 | | | | • | | | | |
| 2035 | VA Bldg Initial delivery balust & metal works | 0 | 21FEB07* | | 0 | C | 0 | -105 | -185 | | | | • | | | | |
| 2043 | VA Bldg Initial deliv exp metal mesh cladding | 0 | 12APR07 | | 0 | C | 0 | -160 | -193 | | | | | | • | | |
| CONSTR | RUCTION WORKS | | | | | | 1 | 1 | | | | | | | | | |
| EXTERN | AL WORKS | | | | | | | | | | | | | | | | |
| Drainage | | | | | | | | | | | | | | | | | |
| S1900 | Petrol interceptor & Storm Drain at East Side | 48 | 20JAN07A | 18APR07 | 5 | C | 45 | -180 | -205 | | | | | | | | |
| S1940 | Foul Drain Pipe & Holding Tank | 24 | 20JAN07A | 17MAR07 | 5 | C | 22 | -169 | -206 | | | | | | | | |
| S1960 \$ | Storm Drain at West Side | 24 | 20JAN07A | 17MAR07 | 5 | C | 22 | -175 | -220 | | | | | | | | |
| S1970 \$ | Storm Drain & Gullies at Access Apron | 24 | 20JAN07A | 17APR07 | 5 | C | 22 | -175 | -218 | | | | | | | | |
| Ducting 8 | & Drawpits | 1 | | | | | 1 | | 1 | | | | | | | | |
| | Ducting & Drawpits | 18 | 19MAR07 | 30APR07 | 0 | C |) 18 | -169 | -187 | | | | | | | • | |
| S1980 I | HGC Ducting & Drawpits | 18 | 19MAR07 | 30APR07 | 0 | C | 18 | -169 | -169 | | | | | | | - | |
| Waterma | in Works | | | | 1 | | | | | | | | | | | | |
| | Watermain & Valve Chambers at Building Apron | 24 | 19MAR07 | 02MAY07 | 0 | C |) 24 | -175 | -206 | | | | | | | | |
| S1990 | Irrigation Pipework | 18 | 19APR07 | 10MAY07 | 0 | C | 18 | -180 | -195 | | | | | | | | |
| Construction | n of Watermains Across Tai Po Rd | 1 | | | 1 | | 1 | 1 | I | | | | | | | | |
| | Stage 7 - Watermain Crossing Tai Po Rd | 4 | 19JAN07A | 23JAN07A | 100 | C | 0 0 | | -13 | | — н - | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | | Total | | DEC 39 | JAN 40 | FEB 41 | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|------------|-----------------------------------------------|------|----------|----------|--------|----------|-----|-------|--------------|------------|-------------------------------|-----------|-----------------|-------------|-----------|-----------|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | 11 18 25 | 1 <mark> 8 </mark> 15 22 2 | 9 5 12 19 | 9 26 5 12 19 26 | 2 9 16 23 3 | 0 7 14 21 | 28 4 11 1 |
| | avement & Associated Work | 1 1 | | | | | | 1 | | | | | | | | |
| S1920 | Preparation and Block Paving | 48 | 19APR07 | 15JUN07 | 0 | 0 | 48 | -180 | -159 | | | | | | | |
| VENTIL | ATION BUILDING | | | | | | | | | | | | | | | |
| VA Build | ing - Structure | | | | | | | | | | | | | | | |
| T2130 | Installation of Exhaust Shaft Steelwork | 24 | 03JAN07A | 24FEB07 | 85 | 0 | 4 | -127 | -211 | | | | | | | |
| T3140 | Backfilling Around Ventillation Building | 24 | 20DEC06A | 14FEB07A | 100 | 0 | 0 | | 0 | | | | | | | |
| T3130 | Installation of Earth mat | 24 | 30JAN07A | 16MAR07 | 10 | 0 | 21 | -160 | -183 | | | | | | | |
| T3380 | NEW ACTIVITY - Complete Tunnel Eart Tape | 24 | 21FEB07 | 20MAR07 | 0 | 0 | 24 | -169 | 0 | | | | | | | |
| VA Build | ing - ABWF | | | | | | | | | | | | | | | |
| T3030 | ABWF - GL Paint Touch Up & Doors | 12 | 30MAR07 | 17APR07 | 0 | 0 | 12 | -113 | -141 | | | | | | | |
| T3040 | ABWF - 1FL Paint Touch Up & Doors | 12 | 30MAR07 | 17APR07 | 0 | 0 | 12 | -113 | -141 | | | | | | | |
| T3050 | ABWF - Fan Rooms & Plenums Touch Up & Doors | 12 | 30MAR07 | 17APR07 | 0 | 0 | 12 | -113 | -141 | | | | | | | |
| VA Buildin | g - External Finishes | · · | | | 1 1 | | | 1 | I | | | | | | | |
| T2050 | VA Bldg Ext. Wall Waterproof Render | 20 | 10JUL06A | 23JAN07A | 100 | 0 | 0 | | -181 | | | | | | | |
| T3110 | VA Bldg Install Aluminum louvres & doors | 60 | 11NOV06A | 24MAR07 | 60 | 0 | 24 | -127 | -165 | | | | | | | |
| T3090 | VA Bldg 25thk Roof Screed & Roofing Tiles | 18 | 16DEC06A | 07FEB07A | 100 | 0 | 0 | | -151 | | | | | | | |
| T3070 | VA Bldg External Wall Painting | 22 | 18DEC06A | 27FEB07 | 85 | 0 | 6 | -111 | -180 | | | | - | | | |
| T2140 | VA Bldg Slate Cladding | 44 | 21FEB07 | 17APR07 | 0 | 0 | 44 | -143 | -154 | | | • | | | | |
| T3120 | VA Bldg Alum Comp Panel Cladding to Ext Walls | 60 | 21FEB07 | 07MAY07 | 0 | 0 | 60 | -159 | -157 | | | • | | | | |
| T3100 | VA Bldg GMS,S/S Channel, Balustrade & Railing | 18 | 28FEB07 | 20MAR07 | 0 | 0 | 18 | -111 | -165 | | | | | | | |
| T2110 | VA Bldg Expanded metal cladding to Ext Walls | 22 | 12APR07 | 08MAY07 | 0 | 0 | 22 | -160 | -193 | | | | | | | |
| T3105 | VA Bldg Removed External Scaffolding | 12 | 09MAY07 | 22MAY07 | 0 | 0 | 12 | -160 | -158 | | | | | | | |
| E & M \ | VORKS | | | | | | | | | | | | | | | |
| | Adit Bldg (GF/Lwr Plen) - E & M Work | | | | | | | | | | | | | | | |
| EM2040 | BS Works for HV Sw + Tx | 12 | 17JUL06A | 20JAN07A | 100 | 0 | 0 | | -188 | | | | | | | |
| EM2200 | BS Works for Genset | 18 | 01AUG06A | 22FEB07 | 98 | 0 | 2 | -164 | -195 | | | | | | | |
| EM2260 | E&M Works in Corridors G/F | 24 | 01AUG06A | 09MAR07 | 99 | 0 | 1 | -171 | -200 | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | MAR | APR | MAY | JUN |
|--------------|-----------------------------------------------|------|----------|----------|--------|----------|-----|-------------|--------------|------------------|------------------------|---------------|---------------------|-----------------|--------------------|-----------------|
| ID | Description | Dur | Start | | Compl. | % Comp | Dur | Float | Early Finish | 39 11 18 25 1 | 40 _8 _15 _22 _29 | 41 5 12 19 | 42 26 5 12 19 26 | 43 2 9 16 23 | 44 30 7 14 21 2 | 45 28 4 11 1 |
| Ventilation | Adit Bldg (GF/Lwr Plen) - E & M Work | | | | | | | | - | | | | | | | |
| EM2300 | E&M Works in Risers | 48 | 04AUG06A | 20JAN07A | 100 | 0 | 0 | | -116 | | | | | | | |
| EM2310 | BS Works in TVS Plenums | 30 | 14AUG06A | 23FEB07 | 95 | 0 | 3 | -154 | -177 | | | | | | | |
| EM2220 | Genset Installation | 36 | 13SEP06A | 08MAR07 | 95 | 0 | 2 | -164 | -171 | | | | | | | |
| Ventilation | Adit Bldg (1F) - E & M Work | | | | 1 1 | | | | | | | | | | | |
| EM2100 | BS Works for LV Sw, MCC, UPS, LCC | 12 | 18JUL06A | 23FEB07 | 98 | 0 | 3 | -171 | -212 | | | | | | | |
| EM2280 | E&M Works in Corridors 1/F | 24 | 04AUG06A | 22FEB07 | 98 | 0 | 2 | -158 | -189 | | | <u> </u> | | | | |
| EM2160 | BS Works for 110V Charger Rm | 12 | 11SEP06A | 02MAR07 | 98 | 0 | 2 | -169 | -206 | | | | | | | |
| EM2120 | LV Sw, MCC, UPS, LCC Installation | 30 | 02OCT06A | 26FEB07 | 98 | 0 | 2 | -169 | -169 | | | | | | | |
| EM2340 | Termination of overall Elect HV & LV Sys | 30 | 10OCT06A | 29MAR07 | 90 | 0 | 5 | -171 | -141 | | | | | | | |
| Ventilation | Adit Bldg (2F/Upr Plen) - E & M Work | | | | 1 1 | | 1 | | | | | | | | | |
| | TVS Installation | 90 | 23AUG06A | 20JAN07A | 100 | 0 | 0 | | -71 | | | | | | | |
| Testing an | d Commissioning | | | | | | 1 | | | | | | | | | |
| EM2080 | HV Sw + Tx Termination + T&C | 30 | 11DEC06A | 23FEB07 | 90 | 0 | 3 | -142 | -123 | | | | | | | |
| EM2180 | 110V Charger Rm Installation + T&C | 12 | 20JAN07A | 09MAR07 | 90 | 0 | 3 | -169 | -200 | | | | | | | |
| EM2140 | LV Sw, MCC, UPS, LCC Termination + T&C | 30 | 03FEB07A | 23MAR07 | 20 | 0 | 24 | -169 | -161 | | 1 | | | | | |
| EM2240 | Genset Termination + T&C | 12 | 21FEB07 | 15MAR07 | 0 | 0 | 12 | -164 | -165 | | | | | | | |
| EM2360 | Integrated E&M System T&C | 52 | 30MAR07 | 05JUN07 | 0 | 0 | 52 | -171 | -106 | | | | | | | |
| Statutory In | nspection & Issued Certificates | | | | | | | | | | | | | | | |
| EM2440 | Permanent power energization from SHT NP Bldg | 6 | 23MAR07 | 29MAR07 | 0 | 0 | 6 | -171 | -106 | | | | | | | |
| EM3001 | Submit Form WWO46 for Water Supply to WSD | 30 | 03MAY07 | 07JUN07 | 0 | 0 | 30 | -173 | -126 | | | | | | | |
| EXTERN | | | | | | | | · | | | | | | | | |
| LANDSC | APING & ESTABLISHMENT WORKS | | | | | | | | | | | | | | | |
| | Planting Works | 18 | 02SEP06A | 10MAY07 | 65 | 0 | 18 | -132 | -177 | | | | | | | |
| T3200 | Establishment Works | 365 | 11MAY07 | 09MAY08 | 0 | 0 | 365 | -167 | -223 | | | | | | | |
| | 1 | | | | | | 1 | · · · · · · | | | | | | | | |

| 10 Description Dur Start Finish Corrol. % Corrol Dur. Poart | Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | ЕВ | | MAR | APR | MAY | JUN |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------|------|----------|----------|------------|----------|-----|-------|----------|----------------|----------------|----|------|----------------|-----------------|--------------------|-----------------|
| ENT PORTH PORTAL VENTLATION BUILDING PROCUREMENT AMATERIAL ABWER MORKS 1981 WR.80gProduce expanded metal dadding 10 0 21FEB07 0 0 0 0 1111 1922 2001 WR.80gInitial delivery late acading 0 21FEB07 0 0 0 0 1111 1922 2020 WR.80gInitial delivery late acading 0 21FEB07 0 0 0 0 1 111 1922 2030 WR.80gInitial delivery late acading 0 21FEB07 0 0 0 0 1 111 1922 2030 WR.80gInitial delivery late acading 0 21FEB07 0 0 0 0 1 111 1922 2030 WR.80gInitial delivery late acading 0 21FEB07 0 0 0 0 1 111 1922 2030 WR.80gInitial delivery late acading 0 21FEB07 0 0 0 0 124FR07 0 0 0 0 124FR07 0 0 0 0 12 204 WR.80gInitial delivery late acading 0 1 204WYR08A 01MAR07 0 0 18 204WYR08A 01MAR07 10 20 0 1 20 205 WR.80gInitial finites 1 204WYR08A 01MAR07 1 20 0 5 1 20 0 0 5 7 4 100 | | | | | | | - | | | | 39 11 18 25 | 40 1 8 15 2 | | 26 5 | 42 12 19 26 | 43 2 9 16 23 | 44 30 7 14 21 2 | 45 28 4 11 1 |
| PROCENEMENT - MATERIAL 1981 NP.Biog Procure expanded metal cladding 150 0CUNNOSA 0 0 0 162 -239 1981 NP.Biog Initial delivery slate cladding 0 21FEB07 0 0 0 111 -192 2055 NP.Biog Initial delivery slate cladding 0 21FEB07 0 0 0 111 -192 2056 NP.Biog Initial delivery slate cladding 0 21FEB07 0 0 0 111 -192 2056 NP.Biog Initial delivery slate cladding 0 12APR07 0 0 0 162 -133 CONSTRUCTION North Portal Biog ClyLL & ABWF WORKS 0 12APR07 0 0 0 162 -213 T1190 DFBog Enhaal Shafi (+110.3mPD) 18 24MAYORA 01MAR07 80 0 8 175 -2213 T1190 DFB ogs. Enhaal Shafi (+110.3mPD) 18 24MAYORA 100 28 175 -203 -203 -201 -201 -201 -201 -201 -201 -201 | ENT NC | ORTH PORTAL VENTILATION BUILDING | | | | | | | | | | | | | | | | |
| 1981 NP Bidg Procure expanded metal clading 180 0EUUNISA 02MAR07 50 50 9 422 239 2051 NP Bidg Initial delivery slate clading 0 21FEB07 0 0 0 111 1192 2055 NP Bidg Initial delivery talust & metal root sys 0 21FEB07 0 0 0 111 1192 2056 NP Bidg Initial delivery talust & metal root sys 0 21FEB07 0 0 0 120 110 1192 2066 NP Bidg Initial delivery talust & metal root sys 0 12FEB07 0 0 0 120 111 1192 2066 NP Bidg Initial delivery talust & ABWF WORKS 5 21FEB07 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> | | | | | | | | | | | | | | | | | | |
| 2051 NP Bidg Initial delivery slate cladding 0 21FEB07 0 0 0 122 -1180 2052 NP Bidg Initial delivery balust & metal vorks 0 21FEB07 0 0 0 111 -192 2058 NP Bidg Initial delivery balust & metal vorks 0 21FEB07 0 0 0 111 -192 2068 NP Bidg Initial delivery balust & metal cladding 0 21FEB07 0 0 0 162 -193 2068 NP Bidg Initial delivery balust & metal cladding 0 12APR077 0 0 0 162 -193 COMMENTION North Portal Bidg Civit & ABWF WORKS STRUCTURE T1900 PF Abust Shaft (+110.38mPD) 16 24MAY06A 100 28 0 -203 T1910 OF - paint touch up & doors 12 27NOY06A 01MAR07 20 0 5 74 -100 Conversition: T1920 F - paint touch up & doors 12 20NOY06A 13MAR07 65 | ABWF \ | WORKS | | | | | | | | | | | | | | | | |
| 2052 NP.Bidg Initial delivery balută & melal works 0 21FEB07 0 0 0 111 -192 2053 NP.Bidg Initial delivery fall arrest roof sys 0 21FEB07 0 0 0 141 -192 2060 NP.Bidg Initial delivery fall arrest roof sys 0 12APR07 0 0 0 -162 -183 CONSTRUCTION North Portal Bidg CDIL & ABWF WORKS Structure Titize of the structure of the s | 1981 | NP.Bldg Procure expanded metal cladding | 180 | 06JUN05A | 02MAR07 | 50 | 50 | 9 | -162 | -239 | | | Ť | | | | | |
| 2053 NP.Bdg Initial delivery fail arrest roof sys 0 21FEB07 0 0 -111 -192 2069 NP.Bdg Initial delivery fail arrest roof sys 0 12APR07' 0 0 -113 -193 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - </td <td>2051</td> <td>NP.Bldg Initial delivery slate cladding</td> <td>0</td> <td>21FEB07*</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>-123</td> <td>-180</td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 2051 | NP.Bldg Initial delivery slate cladding | 0 | 21FEB07* | | 0 | 0 | 0 | -123 | -180 | | | • | | | | | |
| 2006 PR Bidg Initial delive spanded metal cladding 0 12APR07 0 0 162 -183 Image: Construction of the state of t | 2052 | NP.Bldg Initial delivery balust & metal works | 0 | 21FEB07* | | 0 | 0 | 0 | -111 | -192 | | | • | | | | | |
| CONSTRUCTION North Portal Bidg CiViL & ABWF WORKS STRUCTURE T1390 (NF Bidg Schuld Shaft (+110.38mPD) 18 24MAY06A 01MAR07 80 0 8 159 -221 T1390 (NF Bidg Schuld Shaft (+110.38mPD) 18 24MAY06A 20JAN07A 100 228 0 - 203 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -< | 2053 | NP.Bldg Initial delivery fall arrest roof sys | 0 | 21FEB07* | | 0 | 0 | 0 | -111 | -192 | | | • | | | | | |
| North Portal Bldg CIVIL & ABWF WORKS STRUCTURE T1380 IN PB Bdg - Exhaust Shaft (+110.38mPD) 18 24MAY06A 01MAR07 80 0 8 159 -221 MP Bdg - Exhaust Shaft (+110.38mPD) 18 24MAY06A 01MAR07 80 0 8 159 -221 T1980 (F ABWF Initial finishes 18 04MAR06A 20JAN07A 100 28 0 - -203 T1910 (GF - paint touch up & doors 12 27NV06A 01MAR07 20 0 8 -77 -103 Immat Wotes 3F T1920 (JF - paint touch up & doors 12 20NV06A 26FEB07 65 0 5 -74 -100 NP Bog-Internal Wotes 2F T1920 (JF - paint touch up & doors 12 20NV06A 13MAR07 60 0 5 -87 -179 NP Bog-Internal Wotes 2F T1920 (JF - paint touch up & doors 12 20NV06A 13MAR07 60 0 5 -87 | 2066 | NP.Bldg Initial deliv expanded metal cladding | 0 | 12APR07* | | 0 | 0 | 0 | -162 | -193 | | | | | | • | | |
| STRUCTURE T1380 NP Bidg - Exhaust Shaft (+110.38mPD) 18 24MAY06A 01MAR07 80 0 8 159 -221 ABWF WORKS T1650 GF ABWF Initial finishes 18 04MAR06A 20JAN07A 100 28 0 . .203 T1650 GF ABWF Initial finishes 18 04MAR06A 20JAN07A 100 28 0 . .203 T1650 GF ABWF Initial finishes 18 04MAR06A 20JAN07A 100 28 0 . .203 T1910 GF - paint touch up & doors 12 20NOV06A 20FEB07 65 0 5 .74 .100 NP Bdg:-Internal Works 2F T1920 JF - paint touch up & doors 12 20NOV06A 26FEB07 60 0 5 .74 .100 NP Bdg:-Internal Works 2F T T1920 JF - paint touch up & doors 12 20NOV06A 26FEB07 60 0 5 .74 .100 | CONST | RUCTION | | | | | | | 1 1 | | | | | | | | | |
| T1380 NP Bidg - Exhaust Shaft (+110.38mPD) 18 24MAY06A 01MAR07 80 0 8 -159 -221 ABWF WORKS Internal Works GF T1650 GF ABWF Initial finishes 18 04MAR06A 20,AN07A 100 28 0 -203 T1910 GF - paint touch up & doors 12 27NOV66A 01MAR07 20 0 8 -77 -103 PB Bds-Internal Works JF | | | | | | | | | | | | | | | | | | |
| ABWF Vorks CF Image vortex of the function of th | | | | | | | | 1 | , | | | | | 1 | | | | |
| Improvement Works OF Improvement Works 1F T1900 GF - paint touch up & doors 12 20N0V06A 20FEB07 65 70 5 74 -100 NP Bidg-Internal Works 1F T1920 1F - paint touch up & doors 12 20N0V06A 26FEB07 65 0 5 74 -100 NP Bidg-Internal Works 3F T1820 JF - paint touch up & doors 12 20N0V06A 26FEB07 60 0 5 74 -100 NP Bidg-Internal Works 3F T1820 JF - paint touch up & doors 12 24JUL06A 15MAR07 95 0 1 207 -221 NP Bidg-Internal Works 3F T1820 JF - paint touch up & doors 12 24JUL06A 15MAR07 95 0 1 207 -221 NP Bidg-Internal Works 3F T Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan= 6"Colspan="6">Colspan= 6"Colspan="6">Colspan= 6"Colspan= 6"Colspan="6"Colspan="6">Colspan= 6"Colspa= 6"Colspan="6"Colspan="6"Colspan="6"Colspan="6"Colspan | T1390 | NP Bldg - Exhaust Shaft (+110.38mPD) | 18 | 24MAY06A | 01MAR07 | 80 | 0 | 8 | -159 | -221 | | | | | | | | |
| T1650 GF ABWF Initial finishes 18 04MAR06A 2UJAN07A 100 28 0 -203 T1910 GF - paint touch up & doors 12 27NOV06A 01MAR07 20 0 8 -77 -103 NP Bidg-Internal Works 1F | | | | | | | | | | | | | | | | | | |
| T1910 GF - paint touch up & doors 12 27N0V06A 01MAR07 20 0 8 -77 -103 NP Bidg- Internal Works 1F T 12 20N0V06A 26FEB07 65 0 5 -74 -100 | | | 18 | 04MAR06A | 20JAN07A | 100 | 28 | 0 | | -203 | _ | | | | | | | |
| NP Bidg - Internal Works 1F Image: Internal Works 2F Image: Internal Works 2F Image: Internal Works 3F Image: Inter | | | | | | | | | | | | | | 1 | | | | |
| T1920 IF - paint touch up & doors 12 20N0V06A 26FEB07 65 0 5 -74 -100 NP Bidg. Internal Works 2F T1930 2F - paint touch up & doors 12 11DEC06A 26FEB07 60 0 5 -74 -100 NP Bidg. Internal Works 2F T T1930 2F - paint touch up & doors 12 11DEC06A 26FEB07 60 0 5 -74 -100 NP Bidg. Internal Works 3F T 20N0V06A 13MAR07 60 0 5 -87 -179 T1930 F T1930 F - paint touch up & doors 12 20N0V06A 13MAR07 95 0 1 207 -221 T1950 F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F | T1910 | GF - paint touch up & doors | 12 | 27NOV06A | 01MAR07 | 20 | 0 | 8 | -77 | -103 | | | | - | | | | |
| NP Bidg - Interal Works 2F Image of the set of the se | | | | | 1 | , , , , | | - | | | | | | | | | | |
| T1930 2F - paint touch up & doors 12 11DEC06A 26FEB07 60 0 5 -74 -100 NP Bldg Internal Works 3/F T1380 3F - paint touch up & doors 12 20N0V06A 13MAR07 60 0 5 -87 -179 NP Building - Internal Works T1620 4F - Paint touch up & doors 12 24JUL06A 15MAR07 95 0 1 207 -221 T1950 4F - paint touch up & doors 12 21FEB07 06MAR07 95 0 1 207 -221 NP Bldg - Roofing & External Facade T T1720 06MAR07 0 0 12 -81 -107 NP Bldg - Roofing & External Facade T T1720 14 -107 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 | T1920 | 1F - paint touch up & doors | 12 | 20NOV06A | 26FEB07 | 65 | 0 | 5 | -74 | -100 | | | | | | | | |
| NP Bidg Internal Works 3/F Image: Control of the c | NP Bldg - I | nternal Works 2F | | | | | | | | | | | | | | | | |
| T1880 3F - paint touch up & doors 12 20N0V06A 13MAR07 60 0 5 -87 -179 NP Building - Internal Works T1620 4F ABWF initial finishes 12 24JUL06A 15MAR07 95 0 1 207 -221 T1950 4F - paint touch up & doors 12 21FEB07 06MAR07 0 0 12 -81 -107 NP Bidg- Roofing & External Facade T12238 Ent NPB - Ext. Wall Waterproof Render 18 17JUL06A 22FEB07 80 0 2 -153 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -215 -216 -216 -216 -216 -216 -216 -216 -216 -216 -216 | T1930 | 2F - paint touch up & doors | 12 | 11DEC06A | 26FEB07 | 60 | 0 | 5 | -74 | -100 | | | | | | | | |
| Image: Normal Works Image: Normal Works< | | | | | | | | 1 - | | | | | | | _ | | | |
| T1620 4F ABWF initial finishes 12 24JUL06A 15MAR07 95 0 1 207 -221 T1950 4F - paint touch up & doors 12 21FEB07 06MAR07 0 0 12 -81 -107 NP Bidg - Roofing & External Facade | T1880 | 3F - paint touch up & doors | 12 | 20NOV06A | 13MAR07 | 60 | 0 | 5 | -87 | -179 | | | | | | | | |
| T19504F - paint touch up & doors1221FEB0706MAR070012-81-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107-107 | | | - | | | | | | | | | | | | | | | |
| NP Bidg - Roofing & External Facade Image: Normal Facade | T1620 | 4F ABWF initial finishes | 12 | 24JUL06A | 15MAR07 | 95 | 0 | 1 | 207 | -221 | | | Т | T | | | | |
| T2238Ent NPB - Ext. Wall Waterproof Render1817JUL06A22FEB078002-153-215T1740Ent NPB - Install Aluminum louvres & doors9014AUG06A15MAR0785013-159-143T1800Ent NPB - Roof Waterproofing & Test1220OCT06A09MAR074007-154-216 | T1950 | 4F - paint touch up & doors | 12 | 21FEB07 | 06MAR07 | 0 | 0 | 12 | -81 | -107 | - | | • | | | | | |
| T1740 Ent NPB - Install Aluminum louvres & doors 90 14AUG06A 15MAR07 85 0 13 -143 T1800 Ent NPB - Roof Waterproofing & Test 12 20OCT06A 09MAR07 40 0 7 -154 -216 | NP Bldg - F | Roofing & External Facade | | | | | | | | | | | | | | | | |
| T1800 Ent NPB - Roof Waterproofing & Test 12 200CT06A 09MAR07 40 0 7 -154 -216 | T2238 | Ent NPB - Ext. Wall Waterproof Render | 18 | 17JUL06A | 22FEB07 | 80 | 0 | 2 | -153 | -215 | | | ┮ | | | | | |
| | T1740 | Ent NPB - Install Aluminum louvres & doors | 90 | 14AUG06A | 15MAR07 | 85 | 0 | 13 | -159 | -143 | | | Ť | | | | | |
| T1750 Ent NPB - Alum. Comp Panel Cladding to Ext Walls 60 09NOV06A 27MAR07 50 0 30 -117 -111 | T1800 | Ent NPB - Roof Waterproofing & Test | 12 | 200CT06A | 09MAR07 | 40 | 0 | 7 | -154 | -216 | - | | + | | | | | |
| | T1750 | Ent NPB - Alum. Comp Panel Cladding to Ext Walls | 60 | 09NOV06A | 27MAR07 | 50 | 0 | 30 | -117 | -111 | | | + | | | | | |

| | Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC 39 | JAN 40 | | FEB 41 | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|----|-----------|--------------------------------------------------|------|------------|-----------|--------|----------|-----|-------|--------------|-----------|-----------|---|-----------|-----------|-----------|---------------|-----------|
| | ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | | | | | | | 23 30 7 14 21 | |
| 4 | | Roofing & External Facade | 1 | 1 | | I I | | | | | | | | | | | | |
| | T1780 | Ent NPB - Slate cladding above NB/SB carriageway | 36 | 25NOV06A | 17MAR07 | 40 | 0 | 22 | -123 | -166 | | | | - | | | | |
| | | | 10 | | | | | 10 | | | | | | | | | | |
| | 11700 | Ent NPB - 25thk Roof Screed & Roofing Tiles | 18 | 08DEC06A | 16APR07 | 15 | 0 | 16 | -154 | -214 | I | | | | | | | |
| | T1720 | Ent NPB - External Wall Painting | 34 | 02MAR07 | 14APR07 | 0 | 0 | 34 | -153 | -215 | | | | | | | | |
| | 11730 | Entitier - External Wall Painting | 54 | UZIVIARU7 | 14APKU/ | 0 | 0 | 54 | -155 | -215 | | | | | | | | |
| | T1770 | Ent NPB - Expanded metal cladding to Ext Walls | 36 | 12APR07 | 25MAY07 | 0 | 0 | 36 | -162 | -193 | | | | | | | | |
| | 11770 | Ent Nr B - Expanded metal cladding to Ext Walls | 30 | 12/41 107 | 231017107 | 0 | 0 | 30 | -102 | -195 | | | | | | | | _ |
| | T1790 | Ent NPB - GMS,S/S Channel, Balustrade & Railing | 24 | 17APR07 | 15MAY07 | 0 | 0 | 24 | -154 | -214 | | | | | | | | |
| | | | - · | | | Ũ | Ũ | | | | | | | | | | | |
| | T1795 | Ent NPB - Removed External Scaffolding | 12 | 26MAY07 | 08JUN07 | 0 | 0 | 12 | -162 | -156 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| E | NT No | rth Portal Bldg BUILDING SERVICES | | · | | | | | | | | | | | | | | |
| | | WORKS | | | | | | | | | | | | | | | | |
| | | Portal Bldg (G/F) - E & M Works | | | | | | | | | | | | | | | | |
| | | Installation of FS Pumps & Pipework at GF | 18 | 15SEP06A | 22FEB07 | 98 | 0 | 2 | -119 | -210 | | | | <u> </u> | | | | |
| | | | | | | | | | | | | | | | | | | |
| Ē | ENT North | Portal Bldg (2F/Silencer) - E & M Work | | | | | | | | | | | | | | | | |
| | M2580 | BS Works for HV Sw + Tx | 12 | 20JUN06A | 20JAN07A | 100 | 0 | 0 | | -192 | | | | | | | | |
| | | | | | | | | | | | | | _ | | | | | |
| E | M2700 | BS Works for LV Sw | 12 | 20JUN06A | 20JAN07A | 100 | 0 | 0 | | -192 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| F | M2860 | E&M Works in Corridors 2/F | 24 | 17JUL06A | 21FEB07 | 98 | 0 | 1 | -170 | -204 | | | | | | | | |
| | 10000 | DO Wester for Osnast | 10 | 0141100004 | 0455007 | 00 | 0 | 4 | 400 | 040 | | | | | | | | |
| | M2800 | BS Works for Genset | 18 | 01AUG06A | 21FEB07 | 98 | 0 | 1 | -163 | -210 | | | | | | | | |
| | M2000 | E&M Works in Risers | 10 | 10AUG06A | 07MAR07 | 98 | 0 | 1 | -170 | -166 | | | | | | | | |
| | 1012300 | | 40 | IUAUGUUA | | 30 | 0 | ' | -170 | -100 | | | | | | | | |
| E | ENT North | Portal Bldg (3F/ Fan Rm) - E & M Works | - | | | | | | | | | | | | | | | |
| | | BS Works for MCC, UPS, LCC | 12 | 20JUN06A | 21FEB07 | 98 | 0 | 1 | -170 | -214 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | M2880 | E&M Works in Corridors 3/F | 24 | 17JUL06A | 21FEB07 | 98 | 0 | 1 | -170 | -202 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | M2760 | BS Works for 110V Charger Rm | 12 | 01AUG06A | 22FEB07 | 98 | 0 | 2 | -174 | -215 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| E | M2820 | Genset Installation | 30 | 01SEP06A | 28FEB07 | 95 | 0 | 2 | -163 | -180 | | | | | - | | | |
| | | | | | | | | | | | | | | | | | | |
| F | M2920 | Termination of overall Elect HV & LV Sys | 30 | 15OCT06A | 02APR07 | 90 | 0 | 5 | -174 | -166 | | | | | | | | |
| | | | 10 | 45050004 | 0055007 | - | | - | 4.40 | 040 | | | | | | | | |
| IF | IVI2890 | Compressor Room Installation | 18 | 15DEC06A | 23FEB07 | 90 | 0 | 3 | -142 | -210 | | | | | | | | |
| | NT North | Portal Bldg (4F/Upr Plen) - E & M Work | 1 | I I | | | | I | | | | | | | | | | |
| | | TVS Installation | 100 | 02AUG06A | 31.JAN07A | 100 | 0 | 0 | | -93 | | | | | | | | |
| | | | | | | | 0 | Ĭ | | 50 | | | T | | | | | |
| - | esting an | d Commissioning | | · · · | | · · · | | | · · · | | | | | | | | | |
| E | M2620 | HV Sw + Tx Termination + T&C | 30 | 06JAN07A | 09MAR07 | 90 | 0 | 3 | -159 | -107 | | | | _ | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | | FEB | MAR | | APR | MAY | JUN |
|--------------|--------------------------------------------------|------|--------------|----------|--------|----------|------|-------|--------------|----------------|--------------|---------|-----|-----------------|--------|-----------------|--------------------|----------------|
| ID | Description | Dur | | Finish | Compl. | % Comp | Dur | Float | Early Finish | 39 11 18 25 | 40 1 8 15 | 22 29 5 | 41 | 42 6 5 12 19 | 26 2 8 | 43 9 16 23 3 | 44 30 7 14 21 2 | 45 8 4 11 1 |
| | d Commissioning | | | | · · | | | | | | | | | | | | | |
| EM2680 | MCC, LCC Termination + T&C | 30 | 06JAN07A | 12MAR07 | 80 | C |) 5 | -174 | -176 | | | | | | | | | |
| EM2740 | LV Sw Termination + T&C | 30 | 06JAN07A | 12MAR07 | 80 | (|) 5 | -174 | -172 | | | | - | | | | | |
| EM2780 | 110V Charger Rm Installation + T&C | 12 | 20JAN07A | 06MAR07 | 50 | (| 12 | -174 | -213 | | | | | | | | | |
| EM2840 | Genset Termination + T&C | 12 | 01MAR07 | 14MAR07 | 0 | (| 12 | -163 | -180 | - | | | - I | | | | | |
| EM2960 | Integrated E&M System T&C | 52 | 03APR07 | 08JUN07 | 0 | (| 52 | -174 | -102 | | | | | | | | | |
| Statutory Ir | spection & Issued Certificates | 1 | | | | | | | | | | | | | | | | |
| · · · · | Permanent power energization from ENT SP Bldg | 6 | 22MAR07 | 28MAR07 | 0 | (| 6 | -170 | -98 | - | | | | - | | | | |
| TOLL P | LAZA & ANCILLIARY STRUCTURES | | | | | | | | | | | | | | | | | |
| SUBMIT | TALS & APPROVALS | | | | | | | | | | | | | | | | | |
| ABWF 8 | BW SUBMITTALS | | | | | | | | | | | | | | | | | |
| | TP/FB - Approve footbridge details | 24 | 28JUL05A | 06MAR07 | 50 | 50 |) 12 | 215 | -239 | | | | | | | | | |
| Constru | iction Works | 1 | | | | | 1 | 1 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | FW Watermains Centre to Admin Bldg & FH12, FH13 | 36 | 02MAY06A | 23JAN07A | 100 | (| 0 | | -158 | | | | | | | | | |
| 31170 | FW Waterman's Centre to Admin Blug & FHTZ, FHTS | 30 | UZINIA I UUA | ZJANUTA | 100 | (| | | -156 | | | - | | | | | | |
| K1212 | Main Carid'way Drain (D3 & D4) - after stockpile | 57 | 20MAY06A | 22FEB07 | 98 | (| 2 | -132 | -184 | _ | | | | | | | | |
| K1242 | Main carriageway - East Subbase and kerbs | 53 | 16OCT06A | 27MAR07 | 50 | (| 26 | -132 | -143 | _ | | | | | | | | |
| S1420 | Road Pavement Surfacing (Flex & Rigid) | 56 | 180CT06A | 18APR07 | 40 | (| 34 | -132 | -143 | | | | _ | | | | | |
| K1182 | East Loop Road - Drainage | 28 | 12DEC06A | 07FEB07A | 100 | (| 0 | | -203 | - | | | 1 | | | | | |
| K1192 | East Loop Road - Formation & Roadworks | 36 | 12JAN07A | 17MAR07 | 40 | (| 22 | -91 | -95 | | | | | | | | | |
| K1252 | E&M / Lighting works | 24 | 21FEB07 | 20MAR07 | 0 | (| 24 | -117 | -227 | _ | | | - | | | | | |
| S1140 | Furniture, signage (face only), white lining | 18 | 19APR07 | 10MAY07 | 0 | (| 18 | -132 | -143 | | | | | | | | | |
| | AZA WEST SIDE | 1 | | | 1 | | 1 | | | | | | _ | | | | | |
| | Main Carriageway - West side drainage - FB-SHT | 45 | 19JUN06A | 03FEB07A | 100 | (| 0 | | -163 | | | | | | | | | |
| 111271 | | | | | | , c | | | .00 | | | | | | | | | |
| S1510 | FW Waterminam Centre to Admin Bldg & FH12, FH13 | 24 | 10JUL06A | 23FEB07 | 99 | (|) 3 | -178 | -171 | | | | | | | | | |
| K1221 | Main Carriageway - West Subbase & kerbs | 54 | 140CT06A | 13APR07 | 30 | (| 38 | -178 | -122 | | | | | | | | | |
| K1171 | West Loop road - Roadworks | 36 | 21FEB07 | 03APR07 | 0 | (| 36 | 191 | -200 | - | | | - | | | | | |
| | | 1 | | | 1 | | 1 | | | | - | | | | | | | |

| Act. | Activity | Orig Ea | ly Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | MAR | APR | MAY | JUN |
|---------|-------------------------------------------------|---------|-------------|--------|----------|------|-------|--------------|----------------|-----|-----------------|---------------------|-----------------|---------------------|----------------|
| ID | Description | Dur Sta | | | U U | | | Early Finish | 39 11 18 25 | 40 | 41 9 5 12 19 | 42 26 5 12 19 26 | 43 2 9 16 23 | 44 30 7 14 21 28 | 45 8 4 11 1 |
| TOLL PI | LAZA WEST SIDE | | | | | | | | | | | | | | |
| | E&M / Lighting works | 24 21FE | B07 13APR | 07 0 | 0 |) 24 | -134 | -122 | | | | | | | |
| S1310 | Road Pavement Surfacing | 57 24FE | B07 07MAY | 0 0 | 0 |) 57 | -147 | -125 | | | | | | | |
| S1410 | Furniture, signage (face only), white lining | 18 08MA | Y07 29MAY | 07 0 | (|) 18 | -147 | -125 | | | | | | | |
| TOLL PI | LAZA - works adjacent to building | | | | | | | | | | | | | | |
| S1415 | SHT SPB - Drainage & Ducting | 18 28FE | 306A 22FEB | 98 | 90 |) 2 | -71 | -233 | | | | | | | |
| S1427 | Admin Blg & Wshop - Drainage & ducting | 36 07MA | ROGA 22FEB | 98 | 25 | 5 2 | -101 | -224 | | | | | | | |
| S1440 | Install Earth Mat for Admin Bldg & SHT NP Bldg | 36 06NO | /06A 02FEB0 | 7A 100 | 0 | 0 0 | | -191 | | | | | | | |
| S1400 | ENT NPB - Kerbs & Rwks & misc Finishes | 12 15NO | /06A 23FEB | 7 75 | 0 |) 3 | -72 | -222 | | | | | | | |
| S1417 | SHT SPB - Kerbs & Rwks & misc finishes | 12 21FE | B07 06MAR | 0 0 | 0 |) 12 | -81 | -229 | | | | | | | |
| S1437 | Admin Blg & Wshop - kerbs, Rwks & misc finishes | 30 23FE | B07 29MAR | 0 0 | (| 30 | -101 | -185 | | | | | | | |
| TOLL PI | LAZA COLLECTOR'S SUBWAY | | | | 1 | 1 | | | | | | | | | |
| ABWF | | | | | | | | | | | | | | | |
| S1290 | Toll Subway - E&M | 54 20NO | /06A 05MAR | 07 80 | 0 | 0 11 | -80 | -146 | | | | | | | |
| TOLL PI | | | | | 1 | | | | | | | | | | |
| ABWF | | | | | | | | | | | | | | | |
| | Installation of Aluminium Cladding | 38 21FE | B07 10APR | 07 0 | 0 | 38 | -191 | -231 | | | | | | | |
| S1250 | Toll Ftbrdge - Finishes | 54 17MA | Y07 21JUL0 | 7 0 | (|) 54 | -191 | -231 | | | | | | | |
| S1340 | Toll Plaza - Erection of Lift Steel Work | 24 30MA | (06A 24FEB | 95 | 0 |) 4 | -169 | -219 | | | | | | | |
| E & M W | ORKS | | | | | | | | | | | | | | |
| S1200 | Toll Plaza Footbridge - Lift Installation | 72 26FE | B07 26MAY | 0 0 | C |) 72 | -169 | -219 | | | • | | | | |
| S1450 | Toll Plaza Footbridge - Lift Commissioning | 24 28MA | Y07 25JUN | 07 0 | 0 |) 24 | -169 | -219 | | | | | | | |
| S1470 | E&M Installation at Footbridge | 30 11AF | R07 16MAY | 07 0 | 0 |) 30 | -191 | -231 | | | | | | | |
| S1500 | E&M Footbridge T&C | 18 17MA | Y07 07JUN | 0 0 | 0 |) 18 | -155 | -231 | | | | | | | |
| TOLL PI | LAZA BOOTHS | | 1 | | | | | | | | | | | | |
| S1220 | Construct Toll Booths - 22No. | 88 28OC | TO6A 22MAR |)7 90 | (| 0 10 | -147 | -97 | | | | | | | |
| S1210 | Construct Toll Islands 17 No. | 51 13NO | /06A 14FEB0 | 7A 100 | 0 | 0 0 | | -178 | | | | | | | |
| | 1 | 1 1 | I | | -1 | | 1 | | | | | | | | |

| Into Description Dur Start Private Compa % Comp % Comp< | Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | | FEB | | AR | APR | MAY | JUN |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------|------|---------------------------------------|---------|-----|----------|-----|-------|----------|-----|-----|---------|-----|---|---------|-----|-----|-----|
| TOLL PLAZA BOOTHS S1500 TOLE BOOTHS S44 104MAR07 284AV07 0 0 0 10 101 S1500 TOLE BOOTHS EAM. TAC 24 284AV07 22UN07 0 0 0 10 101 ADMIN BLDG WORKSHOP - - - 110 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | | | - | | - | | | | | | | | 22 29 5 | | | | | | |
| S1480 Tail Booths E&M - TAC 24 2 MAY07 22,UN07 0 0 24 -117 ADMIN.BLDC WORKSHOP S1300 Warkshop - External Frisikhes 60 03AUG86A 13MAR07 70 0 18 47 -155 S1300 Warkshop - External Frisikhes 60 03AUG86A 28FEB07 65 0 7 76 -144 LANDSCAPING & ESTABLISHMENT WORKS S1300 Workshop - External Frisikhes 38 20AUG60A 28FEB07 65 0 7 76 -144 LANDSCAPING & ESTABLISHMENT WORKS S1300 Workshop - External Frisikhes 24 14APR07 11MAY07 0 0 24 82 38 S1400 Pitro & Statu 36 12MAY07 10MAY08 0 0 365 168 44 ADMINISTRATION BUILDING Superitratus & APPROVALS Superi | TOLL PI | AZA BOOTHS | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | 1 - 1 - | | | |
| Admin. BLOG WORKSHOP Vorkshop - External Frisihes GO OdAUG80A 13MAR07 70 0 18 67 155 S1300 Workshop - External Frisihes 36 20AUG80A 28FEB07 65 0 7 76 144 LANDSCAPING & ESTABLISHMENT WORKS S1300 Workshop - External Frisihes 36 20AUG80A 28FEB07 65 0 0 24 62 388 S1400 Restablishment Works at Toll Plaza 26 14MAY07 0 0 865 168 -44 ADMINISTRATION BUILDING SUBURTTALS & APPROVALS SUBURTTALS USMENTALS SUBURTALS SUBURTTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUBURTALS SUB | S1300 | Toll Booths All E&M, CMCS & TCS | 54 | 16MAR07 | 23MAY07 | 0 | 0 | 54 | -167 | -117 | | | | | | | | | |
| S1300 Workshop - External Finishes 60 03AUG06A 13MAR07 70 0 18 47 -155 S1320 Workshop - Remaining internal Finishes 36 20AUG06A 28FEB07 85 0 7 -76 -144 LANDSCAPING & ESTABLISHMENT WORKS | S1460 | Toll Booths E&M - T&C | 24 | 25MAY07 | 22JUN07 | 0 | 0 | 24 | -167 | -117 | | | - | | | | | - | |
| S1320 Workshop - Remaining Internal Finishes 36 20AUGGeA 28EB07 85 0 7 76 144 LANDSCAPING & ESTABLISHMENT WORKS S1480 Planing Works at Toil Plaza 24 14AP07 11MAYO7 0 0 24 42 -38 S1400 Establishment Works at Toil Plaza 365 12MAYO7 10MAYO8 0 0 265 -44 ADMINISTRATION BUILDING Submit TALS & APPROVALS Submit TALS & APPROVALS Submit Mode colling details 24 12AN05A 06MAR07 50 50 12 161 -239 1881 Admin Bidg - Prop & sub GRP water tank details 24 12AN05A 06MAR07 50 50 12 161 -239 1883 Admin Bidg - Prop & sub Supend colling details 24 12AN05A 06MAR07 50 50 12 131 -239 1884 Admin Bidg - Approve GRP water tank details 24 07MAR0 03APR07 0 04 131 -239 1888 Admin Bidg - Approve suspended celling details 24 07MAR0 03APR07 0 02 | ADMIN. | BLDG WORKSHOP | | | | | | | | | | | | | | | | | |
| LANDSCAPING & ESTABLISHMENT WORKS 24 14APR07 11MAY07 0 0 24 62 -38 S1480 Planting Works at Toll Plaza 26 12MAY07 0 0 24 62 -38 S1400 Establishment Works at Toll Plaza 265 12MAY07 0 0 26 -188 -44 ADMINISTRATION BUILDING Sugmit Tal.S & APPROVALS ABMY. MTL SUGMITTALS | S1350 | Workshop - External Finishes | 60 | 03AUG06A | 13MAR07 | 70 | 0 | 18 | -87 | -155 | | | | | | l | | | |
| S1480 Planting Works at Toll Plaza 24 14APR07 11MAY07 0 0 24 62 -38 S1490 Establishment Works at Toll Plaza 365 12MAY07 10MAY08 0 0 365 168 -44 ADMINISTRATION BUILDING SubmitTALS a BerpROYALS | S1320 | Workshop - Remaining internal Finishes | 36 | 20AUG06A | 28FEB07 | 85 | 0 | 7 | -76 | -144 | | | | | - | | | | |
| S1490 Establishment Works at Toil Plaza 365 12MAY07 10MAY08 0 0 365 168 444 ADMINISTRATION BUILDING Summaria Sum | LANDS | CAPING & ESTABLISHMENT WORKS | | | | | | | | | | | | | | | | | |
| ADMINISTRATION BULDING ADMINISTRATION BULDING ADMINISTRATION BULDING ADMINISTRATION BULDING ADMINISTRATION BULDING SUBMITALS | S1480 | Planting Works at Toll Plaza | 24 | 14APR07 | 11MAY07 | 0 | 0 | 24 | -62 | -38 | | | | | | | | | |
| SUBMITIALS Admin.Bidg Prep & submit wood ceiling details 24 20NOV04A 06MAR07 50 50 12 167 -239 | S1490 | Establishment Works at Toll Plaza | 365 | 12MAY07 | 10MAY08 | 0 | 0 | 365 | -168 | -44 | | | | | | _ | | | |
| ABWF. MTRL SUBMITTALS 24 20N0V04A 06MAR07 50 50 12 167 -239 1885 Admin.Bidg Prep & sub GRP water tank details 24 12JAN05A 06MAR07 50 50 12 161 -239 1887 Admin.Bidg Prep & sub suspend ceiling details 24 12JAN05A 06MAR07 50 50 12 131 -239 1887 Admin.Bidg Aprove GRP water tank details 24 12AUG05A 06MAR07 50 50 12 131 -239 1888 Admin.Bidg Approve GRP water tank details 24 07MAR07 03APR07 0 24 161 -239 1886 Admin.Bidg Approve suspende ceiling details 24 07MAR07 03APR07 0 24 131 -239 Image: Component | ADMIN | ISTRATION BUILDING | | | | | | | | | | | | | | | | | |
| ABWF. MTRL SUBMITTALS 24 20N0V04A 06MAR07 50 50 12 167 -239 1885 Admin.Bidg Prep & sub GRP water tank details 24 12JAN05A 06MAR07 50 50 12 161 -239 1887 Admin.Bidg Prep & sub suspend ceiling details 24 12JAN05A 06MAR07 50 50 12 131 -239 1887 Admin.Bidg Aprove GRP water tank details 24 12AUG05A 06MAR07 50 50 12 131 -239 1888 Admin.Bidg Approve GRP water tank details 24 07MAR07 03APR07 0 24 161 -239 1886 Admin.Bidg Approve suspende ceiling details 24 07MAR07 03APR07 0 24 131 -239 Image: Component | SUBMI | ITALS & APPROVALS | | | | | | | | | | | | | | | | | |
| 1885 Admin.Bldg Prep & submit wood ceiling details 24 20N0/04A 06MAR07 50 50 12 167 -239 1881 Admin.Bldg Prep & sub GRP water tank details 24 12JAN05A 06MAR07 50 50 12 161 -239 1887 Admin.Bldg Prep & sub suspend ceiling details 24 12JAN05A 06MAR07 50 50 12 161 -239 1887 Admin.Bldg Prep & sub suspend ceiling details 24 07MAR07 03APR07 0 0 24 161 -239 1886 Admin.Bldg Approve wood ceiling details 24 07MAR07 03APR07 0 0 24 161 -239 1886 Admin.Bldg Approve suspende ceiling details 24 07MAR07 03APR07 0 0 24 161 -239 1888 Admin.Bldg Approve suspende ceiling details 24 07MAR07 03APR07 0 0 2 131 -239 100 100 100 100 100 100 100 100 100 100 100 100 100 | | | | | | | | | | | | | | | | | | | |
| Image: state stat | | | 24 | 20NOV04A | 06MAR07 | 50 | 50 | 12 | 167 | -239 | | | | | | | | | |
| 1882 Admin.Bidg Approve GRP water tank details 24 07MAR07 03APR07 0 24 161 -239 1886 Admin.Bidg Approve wood ceiling details 24 07MAR07 03APR07 0 24 167 -239 1886 Admin.Bidg Approve suspended ceiling details 24 07MAR07 03APR07 0 0 24 167 -239 1888 Admin.Bidg Approve suspended ceiling details 24 07MAR07 03APR07 0 0 24 131 -239 1888 Admin.Bidg Approve suspended ceiling details 24 07MAR07 03APR07 0 0 24 131 -239 1888 Admin.Bidg Approve suspended ceiling details 24 07MAR07 03APR07 0 0 131 -239 100 0 0 -239 100 0 0 -239 100 0 0 -239 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1881 | Admin.Bldg Prep & sub GRP water tank details | 24 | 12JAN05A | 06MAR07 | 50 | 50 | 12 | 161 | -239 | | | | | | | | | |
| No. | 1887 | Admin.Bldg Prep & sub suspend ceiling details | 24 | 12AUG05A | 06MAR07 | 50 | 50 | 12 | 131 | -239 | | | | | | | | | |
| Instruction | 1882 | Admin.Bldg Approve GRP water tank details | 24 | 07MAR07 | 03APR07 | 0 | 0 | 24 | 161 | -239 | | | | | | | | | |
| EAM EQPT. / MTRL. SUBMITTALS EAM EQPT. / MTRL. SUBMITTALS Image: Constraint of the state of the stat | 1886 | Admin.Bldg Approve wood ceiling details | 24 | 07MAR07 | 03APR07 | 0 | 0 | 24 | 167 | -239 | | | | | | | | | |
| 8248 AdmBldg-Engineer to provide Cater'g equip detail 0 07APR05A 100 100 0 -239 Image: Cater's equip detail Image: Cater's equip detail 0 07APR05A 100 100 0 -239 Image: Cater's equip detail Image: Cater's equip detail 0 07APR05A 100 100 0 -239 Image: Cater's equip detail | 1888 | Admin.Bldg Approve suspended ceiling details | 24 | 07MAR07 | 03APR07 | 0 | 0 | 24 | 131 | -239 | | | | | | | | | |
| DESIGN & ENGINEERING TEMPORARY WORKS 1373 Design/ICE Temp False/Formwork Admin Bldg 48 21FEB07 21APR07 0 0 48 179 -239 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <td< td=""><td>E&M EQ</td><td>PT. / MTRL. SUBMITTALS</td><td></td><td>· · · · · ·</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | E&M EQ | PT. / MTRL. SUBMITTALS | | · · · · · · | | | | | | | | | | | | | | | |
| TEMPORARY WORKS Image: Constraint of the constraint of t | 8248 | AdmBldg-Engineer to provide Cater'g equip detail | 0 | 07APR05A | | 100 | 100 | 0 | | -239 | | | | | | | | | |
| 1373 Design/ICE Temp False/Formwork Admin Bldg 48 21FEB07 21APR07 0 0 48 179 -239 -239 | DESIG | N & ENGINEERING | | | | | | | | | | | | | | | | | |
| PROCUREMENT - MATERIAL Addmin.Bldg Procure wood ceiling 90 1904 Admin.SIdg Procure GRP water tank 90 16MAR05A 06MAR07 87 87 12 185 -239 Image: Constraint of the constraint o | TEMPO | RARY WORKS | | | | | | | | | | | | | | | | | |
| ABWF WORKS 1904 Admin.Bldg Procure wood ceiling 90 19JAN05A 06MAR07 87 87 12 165 -239 | 1373 | Design/ICE Temp False/Formwork Admin Bldg | 48 | 21FEB07 | 21APR07 | 0 | 0 | 48 | 179 | -239 | | | | | | | | | |
| ABWF WORKS 1904 Admin.Bldg Procure wood ceiling 90 19JAN05A 06MAR07 87 87 12 165 -239 | PROCU | REMENT - MATERIAL | | | | | | | | | | | | | | | | | |
| 1904 Admin.Bldg Procure wood ceiling 90 19JAN05A 06MAR07 87 87 12 165 -239 1902 Admin.Bldg Procure GRP water tank 90 16MAR05A 06MAR07 87 87 12 165 -239 | 1 | | | | | | | | | | | | | | | | | | |
| | 1904 | Admin.Bldg Procure wood ceiling | 90 | 19JAN05A | 06MAR07 | 87 | 87 | 12 | 165 | -239 | | | | | | | | | |
| 1905 Admin.Bldg Procure suspended ceiling 120 09MAY05A 03APR07 70 70 70 36 131 -239 | 1902 | Admin.Bldg Procure GRP water tank | 90 | 16MAR05A | 06MAR07 | 87 | 87 | 12 | 185 | -239 | | | | | | | | | |
| | 1905 | Admin.Bldg Procure suspended ceiling | 120 | 09MAY05A | 03APR07 | 70 | 70 | 36 | 131 | -239 | | | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | MAR | APR | MAY | JUN |
|------------|-------------------------------------------------|------|----------|----------|--------|----------|-----|-------|----------|----------------|---------|-----------------|------------------|--------------------|------------------|-----------------|
| ID | Description | Dur | - | Finish | Compl. | % Comp | | Float | | 39 11 18 25 | 40 | 41 9 5 12 19 | 42 26 5 12 19 | 43 26 2 9 16 23 | 44 30 7 14 21 | 45 28 4 11 1 |
| ABWF V | VORKS | | | | | | | | | | | | | | <u> </u> | |
| | Admin.Bldg Procure expanded metal cladding | 90 | 06JUN05A | 15MAR07 | 87 | 87 | 20 | -181 | -239 | | | | | | | |
| 1938 | Admin.Bldg Initial delivery glass canopy | 0 | 21FEB07* | | 0 | 0 | 0 | -129 | -218 | - | | • | | | | |
| 2056 | Admin.Bldg Initial delivery sheet decking | 0 | 21FEB07 | | 0 | 0 | 0 | 227 | -197 | | | \diamond | | | | |
| 2059 | Admin.Bldg Initial deliv fall arrest roof syst | 0 | 21FEB07* | | 0 | 0 | 0 | -108 | -192 | - | | • | | | | |
| 2060 | Admin.Bldg Initial deliver balust & metal wks | 0 | 21FEB07* | | 0 | 0 | 0 | -108 | -192 | - | | • | | | | |
| 2058 | Admin.Bldg Initial delivery wood ceiling | 0 | 10MAY07 | | 0 | 0 | 0 | 165 | -239 | | | | | | \diamond | |
| 2063 | Admin.Bldg Initial delivery GRP water tank | 0 | 15MAY07 | | 0 | 0 | 0 | 161 | -239 | | | | | | \diamond | |
| 2061 | Admin.Bldg Initial del expanded metal cladding | 0 | 19MAY07* | | 0 | 0 | 0 | -181 | -237 | | | | | | • | |
| CONST | RUCTION | | | | | | | | | | | | | | | |
| TCSS A | ccess at Admin Bldg | | | | | | | | | | | | | | | |
| T3350 | TCSS Works Within Admin Bldg / Tunnel & Ext | 140 | 15SEP06A | 15JUN07 | 0 | 0 | 80 | -168 | -143 | | | | | | | |
| CIVIL & | ABWF WORKS | | | | | | | | | | | | | | | |
| ABWF | | | | | | | | | | | | | | | | |
| Admin Bldg | I (G/F) - Internal Work @ Grid 1 to 21 | | | | | | | | | | | | | | | |
| T1682 | AB (G/F to 1/F) - Staircase Finishing Works | 30 | 18APR06A | 05MAR07 | 65 | 5 | 11 | -169 | -222 | | | | | | | |
| T1685 | AB G/F (Grid 1-21) - Wall Plaster & Flr Screed | 20 | 19APR06A | 22FEB07 | 97 | 10 | 2 | -171 | -227 | | | | | | | |
| T1680 | AB G/F (Grid 1-21) - Windows & door frames | 18 | 24APR06A | 22FEB07 | 95 | 56 | 2 | -171 | -233 | | | | | | | |
| T1975 | AB G/F (Grid 1-21) - Base Skirting | 18 | 15JUN06A | 15MAR07 | 90 | 0 | 2 | -95 | -162 | | | | | | | |
| T2995 | AB G/F (Grid 1-21) - Wall & Ceiling Base Paint | 30 | 02AUG06A | 08MAR07 | 95 | 0 | 6 | -169 | -203 | | | | | | | |
| T2990 | AB G/F (Grid 1-21) - Tileworks & Sanitary Fixt | 30 | 15SEP06A | 02MAR07 | 70 | 0 | 9 | -169 | -218 | | | | | | | |
| T2150 | AB G/F (Grid 1-21) - Door Leaf & Final Paints | 12 | 02JAN07A | 19APR07 | 70 | 0 | 4 | -115 | -182 | | | | | | | |
| T3285 | Rm (G39/G40/G45/G46) - Door Leaf & Final Paints | 4 | 04JAN07A | 31JAN07A | 100 | 0 | 0 | | -134 | | | | | | | |
| | AB G/F (Critical Rooms) - Access to E&M Works | 0 | | 23JAN07A | 100 | 0 | 0 | | -197 | | | | | | | |
| T1970 | AB G/F (Grid 1-21) - Install Ceiling Grids | 18 | 09MAR07 | 29MAR07 | 0 | 0 | 18 | -115 | -203 | | | | | | | |
| T2160 | AB G/F (Grid 1-21) - Install Ceiling Panels | 10 | 30MAR07 | 14APR07 | 0 | 0 | 10 | -115 | -192 | | | | | | | |
| | | | | | | | | | | | | 6 | - | + | | |

| ID Description Dur Stat Finink Compl. W. Compl. Dur Finink Compl. W. Co | Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC 39 | JAN 40 | FEB 41 | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------|------|----------|----------|------------|----------|-----|-------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| T1982 A8 (1/F 0.2/F) - Shincase Finishing Works 30 18APR08A 020AR807 70 5 9 -78 -220 T1988 A8 1/F (Grid 1-18) Value Plaster & Fr Screed 24 18APR08A 23FEB07 97 35 3 -168 -227 T1980 A8 1/F (Grid 1-18) Insall Skrining 11 2AAPR08A 27FEB07 95 56 6 168 -230 T210 A8 1/F (Grid 1-18) Insall Skrining 14 15U/UNOA 09 9 165 -300 T2210 A8 1/F (Grid 1-18) Chind 1-18) Final Paint 1 100CC0AC 09FEB07 100 0 1 -165 T210 A8 1/F (Grid 1-18) Proprietary Totiet Cubicle 18 24ZFEB07 100 0 1 -168 -227 T3000 A8 1/F (Grid 1-18) Proprietary Totiet Cubicle 18 24ZFEB07 10AAPR07 0 0 18 -188 -227 T3000 A8 1/F (Grid 1-18) Final Paints 12 24ZFE07 0 10 134 -198 | | | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | | | | | | | |
| T1056 A8 UF (Grid 1-18) - Wall Pleator & Fir Scoold 24 18APR06A 23EEB37 97 35 3 -168 -227 T11560 A8 UF (Grid 1-18) - Walw & Door Frames 16 24APR06A 27EEB37 95 56 6 -168 -228 T2165 A8 UF (Grid 1-18) - Install Skinting 14 15JUNBA 05BADR37 70 0 9 -165 -230 T2200 A8 UF (Grid 1-18) - Toevorks & Samtary Fixt 21 225EP06A 06MAR07 70 0 9 -165 -230 T2210 A8 UF (Grid 1-18) - Door Led & Final Paint 12 02AN07A 12AN407 70 0 4 -138 T2170 A8 UF (Grid 1-18) - Install Celling Grids 18 19EC08A 0FEB07A 100 0 18 -168 -227 T2170 A8 UF (Grid 1-18) - Install Celling Grids 18 19EC08A 0FEB07A 0 0 18 -168 -227 T2000 A8 UF (Grid 1-18) - Install Celling Grids 18 17AR070 0 18 -138 -198 -227 -234 -198 -227 -234 -248 -246 -217 -234 -2 | | | | | | <u>т т</u> | | | | | | | | _ | | | |
| T1380 AB 1F (Grid 1-18) - Wdws & Door Frames 18 24APR06A 27EEB07 95 66 6 165 -236 T1216 AB 1F (Grid 1-18) - Install Skring 14 15JUNOGA 09MAR07 9 165 -236 T2201 AB 1F (Grid 1-18) - Install Skring 14 15JUNOGA 09FE007A 100 0 165 T2201 AB 1F (Grid 1-18) - Door LL & Final Paint 6 10DEC06A 09FE007A 100 0 165 T2170 AB 1F (Grid 1-18) - Door LL & Final Paints 12 02AAN07A 12MAR07 0 0 18 168 -227 T3012 AB 1F (Grid 1-18) - Install Celling Grids 18 17MAR07 14AR07 0 0 18 168 -227 T3015 AB 1F (Grid 1-18) - Install Celling Grids 18 17MAR07 14AR07 0 0 10 134 198 T2016 AB 2F (Grid 1-18) - Install Celling Branes 10 12APR07 23APR07 0 0 10 134 198 T2080 AB 2F (Grid 1-18) - Wdws & Dor Frames 12 14APR0F 22< | T1982 | AB (1/F to 2/F) - Staircase Finishing Works | 30 | 18APR06A | 02MAR07 | 70 | 5 | 9 | -78 | -220 | | | | | | | |
| T2166 AB 1F (Grid 1-18) - Install Skirting 14 15JUN00A 09MAR07 00 0 2 -84 -138 T2106 AB 1F (Grid 1-18) - Tileworks & Santary Fixit 21 20SEP06A 00MAR07 70 0 9 -165 T3268 UPS&UPS Bat Rm (112/115) - Door L4 & Final Paims 12 02JAN07A 12MAY07 70 0 4 -134 -199 T2102 AB 1F (Grid 1-18) - Door L4at & Final Paims 12 02JAN07A 12MAY07 0 0 1 -165 T2012 AB 1F (Grid 1-18) - Install Celling Grids 18 24FEB07 16MAR07 0 0 1 -198 T2168 AB 1F (Grid 1-18) - Install Celling Grids 18 17MAR07 11APR07 0 0 1 -198 T2060 AB 1F (Grid 1-18) - Install Celling Painels 10 12APR07 20 0 12 -134 -198 T2060 AB 1F (Grid 1-18) - Wdws & Boo Farme 12 11APR06A 22FEB07 5 5 2 -168 -237 T2062 AB 2F (Grid 1-18) - Wdws & Boo Farme 12 < | T1985 | AB 1/F (Grid 1-18) - Wall Plaster & Flr Screed | 24 | 18APR06A | 23FEB07 | 97 | 35 | 3 | -168 | -227 | | | | | | | |
| T2010 AB 1/F (Grid 1-18) - Tileworks & Sanitary Fixt 21 205EP06A 06MAR07 70 0 9 -166 -230 T2260 VPS&UPS Bal Rm (112/15) - Door Lat & Final Paint 6 19DEC06A 09FE007A 100 0 -165 T2170 AB 1/F (Grid 1-18) - Door Leaf & Final Paints 12 02LAN07A 12MAR07 70 0 4 -134 -190 T2101 AB 1/F (Grid 1-18) - Door Leaf & Final Paints 12 02LAN07A 12MAR07 0 0 18 -165 T3000 AB 1/F (Grid 1-18) - Install Celling Grids 18 17AR07 0 0 10 -134 -138 T2185 AB 1/F (Grid 1-18) - Install Celling Branets 10 12APR07 0 0 12 -134 -138 T3015 AB 1/F (Grid 1-18) - Maxet Carpets 12 24APR07 0 0 12 -134 -138 T20206 AB 2/F (Grid 1-18) - Maxet Carpets 12 24APR07 0 0 12 -146 -220 T20206 AB 2/F (Grid 1-18) - Maxet Carpets 13 168 -220 | T1980 | AB 1/F (Grid 1-18) - Wdws & Door Frames | 18 | 24APR06A | 27FEB07 | 95 | 56 | 6 | -165 | -236 | | | | | | | |
| T3288 UPS&UPS Balk Rn (112/115) - Door L & Final Paints 6 19DECOGA OFEB07A 100 0 0 -165 T2170 AB 1/F (Grid 1-18) - Door Laaf & Final Paints 12 02JAN07A 12MAV07 70 0 4 -134 -190 T2170 AB 1/F (Grid 1-18) - Proprietary Toille Cubicle 18 24FEB07 16MAR07 0 0 18 -168 -227 T3000 AB 1/F (Grid 1-18) - Install Ceiling Grids 18 17MAR07 11APR07 0 0 18 -134 -198 T2185 AB 1/F (Grid 1-18) - Install Ceiling Grids 18 17MAR07 11APR07 0 0 12 -134 -198 T2185 AB 1/F (Grid 1-18) - Install Ceiling Grids 12 24APR07 08MAV07 0 0 12 -134 -198 T2005 AB 1/F (Grid 1-18) - Floor Carpets 12 14APR064 22/EB07 95 50 2 -168 -225 T2062 AB 2/F (Grid 1-18) - Vidue & Erise Tinshing Works 30 18APR06A 02MAR07 70 5 9 -166 -220 <td>T2165</td> <td>AB 1/F (Grid 1-18) - Install Skirting</td> <td>14</td> <td>15JUN06A</td> <td>09MAR07</td> <td>90</td> <td>0</td> <td>2</td> <td>-84</td> <td>-138</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | T2165 | AB 1/F (Grid 1-18) - Install Skirting | 14 | 15JUN06A | 09MAR07 | 90 | 0 | 2 | -84 | -138 | | | | | | | |
| T2170 AB 1/F (Grid 1-18) - Door Leaf & Final Paints 12 02JANOTA 12MAV07 70 0 4 -134 -190 T2170 AB 1/F (Grid 10-18) - Proprietary Toilet Cubicle 18 24FEB07 16MAR07 0 0 18 -168 -227 T3000 AB 1/F (Grid 1-18) - Install Celling Grids 18 17MR07 10 0 18 -134 -198 T2128 AB 1/F (Grid 1-18) - Install Celling Grids 18 17MR07 0 0 12 -134 -198 T3001 AB 1/F (Grid 1-18) - Floor Carpets 12 24APR07 08MAY07 0 0 12 -134 -198 T2060 AB 2/F (Grid 1-18) - Vidws & Door Frames 12 11APR06A 22FEB07 95 50 2 -168 -225 T2060 AB 2/F (Grid 1-18) - Vidws & Door Frames 12 11APR06A 22FEB07 95 50 2 -168 -220 T2065 AB 2/F (Grid 1-18) - Vidws & Door Frames 12 01JUN06A 25FEB07 95 0 5 -59 -322 T2065 AB 2/F (G | T2010 | AB 1/F (Grid 1-18) - Tileworks & Sanitary Fixt | 21 | 20SEP06A | 06MAR07 | 70 | 0 | 9 | -165 | -230 | | | | | | | |
| T2012 AB 1/F (Grid 10-18) - Proprietary Tollet Cubicle 18 24FEB07 16MAR07 0 0 18 -168 -227 T3000 AB 1/F (Grid 10-18) - Install Celling Grids 18 17MAR07 11 APR07 0 0 18 -134 -198 T2185 AB 1/F (Grid 118) - Install Celling Panels 10 12APR07 0 0 18 -134 -198 T3001 AB 1/F (Grid 118) - Install Celling Panels 10 12APR07 0 0 12 -134 -198 T3005 AB 1/F (Grid 118) - Install Celling Works 12 24APR07 0 0 12 -134 -198 Amine Biog (2F) - Internation Work & Gort Frames 12 11APR06A 22FEB07 95 50 2 168 -220 T2060 AB 2/F (Grid 1-18) Wall Plaster & Fir Screed 24 01JUN06A 22FEB07 95 0 5 159 -232 T2060 AB 2/F (Grid 1-18) Wall Plaster & Screed 12 01JUN06A 22FEB07 95 0 5 159 -232 T2100 AB 2/F (| T3268 | UPS&UPS Bat Rm (112/115) - Door Lf & Final Paint | 6 | 19DEC06A | 09FEB07A | 100 | 0 | 0 | | -165 | | | | | | | |
| Table AB: 1/F (Grid 1-18) - Install Ceiling Grids 18 17MAR07 11APR07 0 0 18 -134 198 T2185 AB: 1/F (Grid 1-18) - Install Ceiling Grids 10 12APR07 0 0 10 -134 198 T3105 AB: 1/F (Grid 1-18) - Install Ceiling Grids 12 24APR07 08MAY07 0 0 12 -134 -198 Mmin Ibisg (2): Image 2): Image 2): Image 2): | T2170 | AB 1/F (Grid 1-18) - Door Leaf & Final Paints | 12 | 02JAN07A | 12MAY07 | 70 | 0 | 4 | -134 | -190 | | | | | • | | |
| T2185 AB 1/F (Grid 1-18) - Install Ceiling Panels 10 12APR07 23APR07 0 0 10 -134 -198 T3015 AB 1/F (Grid 1-18) - Floor Carpets 12 24APR07 08MAY07 0 0 12 -134 -198 Image: Constraint Void & Circle 1 to 18 T2005 AB 2/F (Grid 1-18) - Wdws & Door Frames 12 11APR06A 22FEB07 95 50 2 -168 -225 T2062 AB 2/F (Grid 1-18) - Wdws & Door Frames 12 11APR06A 22FEB07 97 0 2 -168 -220 T2062 AB 2/F (Grid 1-18) - Wdws & Door Frames 12 01JUN06A 22FEB07 97 0 2 -148 -220 T2062 AB 2/F (Grid 1-18) - Wall Plaster & Fir Screed 12 01JUN06A 22FEB07 97 0 2 -149 -217 T3025 AB 2/F (Grid 1-18) - Base Skirting 21 0JUL06A 12MAR07 90 0 3 -86 -111 T1860 AB 2/F (Grid 1-18) - Base Skirting 12 15JUL06A 19MAR07 70 0 6 -149 | T2012 | AB 1/F (Grid 10-18) - Proprietary Toilet Cubicle | 18 | 24FEB07 | 16MAR07 | 0 | 0 | 18 | -168 | -227 | | | | | | | |
| Toolts Admin Bdi //E Grid 1-18) - Floor Carpets 12 24APR07 08MAY07 0 0 12 -134 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 -198 | T3000 | AB 1/F (Grid 1-18) - Install Ceiling Grids | 18 | 17MAR07 | 11APR07 | 0 | 0 | 18 | -134 | -198 | | | | | | | |
| Admini Bug (2F) - Heemal Work & Grid 11 0 18 Image (2F) - Heemal Work & Grid 11 0 18 Image (2F) - Heemal Work & Door Frames 12 11 APR06A 22FEB07 95 50 2 -168 235 T2060 AB 2/F (Grid 1-18) - Wall Plaster & Fir Screed 24 01 JUN06A 22FEB07 97 0 2 -149 217 T3025 AB 2/F (Grid 1-18) - Wall Plaster & Fir Screed 12 01 JUN06A 22FEB07 95 0 5 -159 -232 T2109 AB 2/F (Grid 1-18) - Wall Plaster & Screed 12 01 JUN06A 22FEB07 95 0 5 -159 -232 T2190 AB 2/F (Grid 1-18) - Base Skirting 21 03 JUL06A 12MAR07 90 0 3 -86 -111 T1860 AB 2/F (Tel, Comp, Cont Rm) - Base Skirting 12 15 JUL06A 19MAR07 90 0 2 -92 -114 T2020 AB 2/F (Grid 1-18) - Tileworks & Sanitary Fixt 18 01OCT06A 01MAR07 70 0 6 -149 -205 T3055 AB 2/F (Tel, Comp, Cont Rm) - Raised Floors 21 1NOV06A 31MAR07 50 0 11 -123 -149 </td <td>T2185</td> <td>AB 1/F (Grid 1-18) - Install Ceiling Panels</td> <td>10</td> <td>12APR07</td> <td>23APR07</td> <td>0</td> <td>0</td> <td>10</td> <td>-134</td> <td>-198</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | T2185 | AB 1/F (Grid 1-18) - Install Ceiling Panels | 10 | 12APR07 | 23APR07 | 0 | 0 | 10 | -134 | -198 | - | | | | | | |
| T2060 AB 2/F (Grid 1-18) - Wdws & Door Frames 12 11APR06A 22FEB07 95 50 2 -168 235 T2062 AB (2/F to R/Lvl) - Staircase Finishing Works 30 18APR06A 02MAR07 70 5 9 -168 220 T2065 AB 2/F (Grid 1-18) - Wall Plaster & Fir Screed 24 01JUN06A 22FEB07 95 0 5 -159 217 T3025 AB 2/F (Grid 1-18) - Wall Plaster & Screed 12 01JUN06A 26FEB07 95 0 5 -159 232 T2190 AB 2/F (Grid 1-18) - Base Skirting 21 03JUL06A 12MAR07 90 0 3 -86 -111 T1860 AB 2/F (Grid 1-18) - Base Skirting 12 15JUL06A 19MAR07 90 0 2 -92 -114 T2020 AB 2/F (Grid 1-18) - Tileworks & Sanitary Fixt 18 01OCT06A 01MAR07 50 0 11 -123 -149 T1865 AB 2/F (Tel, Comp, Cont Rm) - Raised Floors 21 11NOV06A 30APR07 50 0 11 -123 -149 </td <td>T3015</td> <td>AB 1/F (Grid 1-18) - Floor Carpets</td> <td>12</td> <td>24APR07</td> <td>08MAY07</td> <td>0</td> <td>0</td> <td>12</td> <td>-134</td> <td>-198</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | T3015 | AB 1/F (Grid 1-18) - Floor Carpets | 12 | 24APR07 | 08MAY07 | 0 | 0 | 12 | -134 | -198 | | | | | | | |
| T2060 AB 2/F (Grid 1-18) - Wdws & Door Frames 12 11APR06A 22FEB07 95 50 2 -168 | Admin Bld | a (2/E) - Internal Work @ Grid 1 to 18 | | | | 1 1 | | | | | | | | | | | |
| T2065 AB 2/F (Grid 1-18) - Wall Plaster & Fir Screed 24 01JUN06A 22FEB07 97 0 2 -149 -217 T3025 AB 2/F (Tel, Comp, Cont Rm) - Plaster & Screed 12 01JUN06A 26FEB07 95 0 5 -159 -232 T2190 AB 2/F (Grid 1-18) - Base Skirting 21 03JUL06A 12MAR07 90 0 3 -86 -111 T1860 AB 2/F (Grid 1-18) - Tileworks & Sanitary Fixt 18 010CT06A 19MAR07 90 0 2 -92 -114 T2020 AB 2/F (Tel, Comp, Cont Rm) - Base Skirting 12 15JUL06A 19MAR07 70 0 6 -149 -205 T3055 AB 2/F (Tel, Comp, Cont Rm) - Raised Floors 21 11NOV06A 31MAR07 50 0 11 -123 -149 T1865 AB 2/F (Tel, Comp, Cont Rm) - Raised Floors 21 11NOV06A 31MAR07 50 0 11 -123 -149 T1865 AB 2/F (Tel, Comp, Cont Rm) - Coil f & Final Paint 12 0JAN07A 30APR07 90 0 2 -140 | | Ĩ ' | 12 | 11APR06A | 22FEB07 | 95 | 50 | 2 | -168 | -235 | | | | | | | |
| AB AB <th< td=""><td>T2062</td><td>AB (2/F to Rf/Lvl) - Staircase Finishing Works</td><td>30</td><td>18APR06A</td><td>02MAR07</td><td>70</td><td>5</td><td>9</td><td>-168</td><td>-220</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<> | T2062 | AB (2/F to Rf/Lvl) - Staircase Finishing Works | 30 | 18APR06A | 02MAR07 | 70 | 5 | 9 | -168 | -220 | | | | | | | |
| T2190 AB 2/F (Grid 1-18) - Base Skirting 21 03JUL06A 12MAR07 90 00 3 -86 -111 T1860 AB 2/F (Tel, Comp, Cont Rm) - Base Skirting 12 15JUL06A 19MAR07 90 0 2 -92 -114 T2020 AB 2/F (Grid 1-18) - Tileworks & Sanitary Fixt 18 01OCT06A 01MAR07 70 00 6 -149 -205 T3055 AB 2/F (Tel, Comp, Cont Rm) - Raised Floors 21 11NOV06A 31MAR07 50 00 11 -123 -149 T1865 AB 2/F (Tel, Comp, Cont Rm) - Raised Floors 21 1NOV06A 31MAR07 90 00 2 -124 -140 T1865 AB 2/F (Tel, Comp, Cont) - Door Lef & Final Paint 12 0AJN07A 21MAY07 70 00 4 -141 -163 T2220 AB 2/F (Tel, Comp, Cont Rm) - Ceiling Grids 18 27FEB07 19MAR07 0 0 18 -124 -171 T3045 AB 2/F (Tel, Comp, Cont Rm) - Ceiling Grids 18 27FEB07 19MAR07 0 0 18 -124 -171 </td <td>T2065</td> <td>AB 2/F (Grid 1-18) - Wall Plaster & Flr Screed</td> <td>24</td> <td>01JUN06A</td> <td>22FEB07</td> <td>97</td> <td>0</td> <td>2</td> <td>-149</td> <td>-217</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | T2065 | AB 2/F (Grid 1-18) - Wall Plaster & Flr Screed | 24 | 01JUN06A | 22FEB07 | 97 | 0 | 2 | -149 | -217 | | | | | | | |
| Classical Algorithm Classical Algorithm< | T3025 | AB 2/F (Tel, Comp, Cont Rm) - Plaster & Screed | 12 | 01JUN06A | 26FEB07 | 95 | 0 | 5 | -159 | -232 | | | | | | | |
| T2020 AB 2/F (Grid 1-18) - Tileworks & Sanitary Fixt 18 010CT06A 01MAR07 70 0 6 -149 -205 T3055 AB 2/F (Tel, Comp, Cont Rm) - Raised Floors 21 11NOV06A 31MAR07 50 0 11 -123 -149 T1865 AB 2/F (Tel, Comp, Cont) - Door Lf & Final Paint 12 08JAN07A 30APR07 90 0 2 -124 -140 T2220 AB 2/F (Grid 1-18) - Door Leaf & Final Paints 12 10JAN07A 21MAY07 70 0 4 -141 -163 T3045 AB 2/F (Tel, Comp, Cont Rm) - Ceiling Grids 18 27FEB07 19MAR07 0 0 18 -124 -171 -171 | T2190 | AB 2/F (Grid 1-18) - Base Skirting | 21 | 03JUL06A | 12MAR07 | 90 | 0 | 3 | -86 | -111 | | | | | | | |
| T3055 AB 2/F (Tel, Comp, Cont Rm) - Raised Floors 21 11NOV06A 31MAR07 50 0 11 -123 149 T1865 AB 2/F (Tel, Comp, Cont) - Door Lf & Final Paint 12 08JAN07A 30APR07 90 0 2 -124 140 T2220 AB 2/F (Grid 1-18) - Door Leaf & Final Paints 12 10JAN07A 21MAY07 70 0 4 -141 163 T3045 AB 2/F (Tel, Comp, Cont Rm) - Ceiling Grids 18 27FEB07 19MAR07 0 0 18 -124 -171 | T1860 | AB 2/F (Tel, Comp, Cont Rm) - Base Skirting | 12 | 15JUL06A | 19MAR07 | 90 | 0 | 2 | -92 | -114 | | | | | | | |
| T1865 AB 2/F (Tel, Comp, Cont) - Door Lf & Final Paint 12 08JAN07A 30APR07 90 0 2 -124 -140 T2220 AB 2/F (Grid 1-18) - Door Leaf & Final Paints 12 10JAN07A 21MAY07 70 0 4 -141 -163 T3045 AB 2/F (Tel, Comp, Cont Rm) - Ceiling Grids 18 27FEB07 19MAR07 0 0 18 -124 -171 | T2020 | AB 2/F (Grid 1-18) - Tileworks & Sanitary Fixt | 18 | 010CT06A | 01MAR07 | 70 | 0 | 6 | -149 | -205 | | | | | | | |
| T2220 AB 2/F (Grid 1-18) - Door Leaf & Final Paints 12 10JAN07A 21MAY07 70 0 4 -141 163 T3045 AB 2/F (Tel, Comp, Cont Rm) - Ceiling Grids 18 27FEB07 19MAR07 0 0 18 -124 171 Image: Content of the second of the | T3055 | AB 2/F (Tel, Comp, Cont Rm) - Raised Floors | 21 | 11NOV06A | 31MAR07 | 50 | 0 | 11 | -123 | -149 | | | | | I | | |
| T3045 AB 2/F (Tel, Comp, Cont Rm) - Ceiling Grids 18 27FEB07 19MAR07 0 0 18 -124 -171 Image: Content of the second | T1865 | AB 2/F (Tel, Comp, Cont) - Door Lf & Final Paint | 12 | 08JAN07A | 30APR07 | 90 | 0 | 2 | -124 | -140 | | | | | | | |
| | T2220 | AB 2/F (Grid 1-18) - Door Leaf & Final Paints | 12 | 10JAN07A | 21MAY07 | 70 | 0 | 4 | -141 | -163 | | | | | | | |
| T2028 AB 2/F (Grid 1-18) - Proprietary Toilet Cubicle 10 02MAR07 13MAR07 0 0 10 -205 Image: Colored colo | T3045 | AB 2/F (Tel, Comp, Cont Rm) - Ceiling Grids | 18 | 27FEB07 | 19MAR07 | 0 | 0 | 18 | -124 | -171 | | | | | | | |
| | T2028 | AB 2/F (Grid 1-18) - Proprietary Toilet Cubicle | 10 | 02MAR07 | 13MAR07 | 0 | 0 | 10 | -149 | -205 | | | | | | | |

| | Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | | MAR | APR | MAY | JUN |
|-----|------------|--------------------------------------------------|------|----------|----------|--------|----------|-----|-------|--------------|----------------|--------------------|---------------|----------------|------------------------------|-----------------|--------------------|-----------------|
| | ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | 39 11 18 25 | 40 1 8 15 22 29 | 41 5 12 19 |) ∋µ26,5 µ1 | 42 2 19 26 | 43 2 9 16 23 | 44 30 7 14 21 2 | 45 28 4 11 1 |
| 4 | Admin Bldg | g (2/F) - Internal Work @ Grid 1 to 18 | | | | | | | 1 | | | | | | | | | |
| | T2035 | AB 2/F (Non-Critical Room) - Access to E&M Works | 0 | | 02MAR07 | 0 | 0 | 0 | 218 | -199 | | | | \diamond | | | | |
| | T2045 | AB 2/F (Grid 1-18) - Install Ceiling Grids | 18 | 16MAR07 | 10APR07 | 0 | 0 | 18 | -141 | -186 | | | | | | | | |
| | T3068 | AB 2/F (Corridor & Cont Rm) - Floor Carpets | 12 | 02APR07 | 19APR07 | 0 | 0 | 12 | -117 | -149 | | | | | I | | | |
| | T3065 | AB 2/F (Corridor & Cont Rm) - Ceiling Panels | 18 | 03APR07 | 27APR07 | 0 | 0 | 18 | -124 | -150 | | | | | | | | |
| | T2058 | AB 2/F (Grid 1-18) - Install Ceiling Panels | 18 | 25APR07 | 16MAY07 | 0 | 0 | 18 | -141 | -171 | - | | | | | | | |
| | T2068 | AB 2/F (Grid 1-18) - Floor Carpets | 18 | 25APR07 | 16MAY07 | 0 | 0 | 18 | -141 | -183 | - | | | | | | | |
| | dmin Bld | g (Roof/Flr) - Inter Works Grid 3 to 16 | | | | | | | | | | | | | | | | |
| Íľŕ | | AB R/F (Grid 3-16) - Wall Plaster & Flr Screed | 18 | 28APR06A | 21FEB07 | 97 | 50 | 1 | -180 | -231 | | | | | | | | |
| | | · · · · | | | | | | | | - | | | | | | | | |
| | | AB R/F (Grid 3-16) - Door Leaf & Final Paints | 6 | 22DEC06A | 21MAR07 | 90 | 0 | 2 | -94 | -185 | | | | | | | | |
| ŕ | | - Upper Roof & External Facade | | | | | | | 10- | | | | | - | | | | |
| | | AB Ext (GL 11-21) - Slate Cladding | 30 | 03APR06A | 22FEB07 | 99 | 30 | 2 | -105 | -220 | | | | | | | | |
| | T2850 | AB Ext (GL 1-11) - Install Louvres & Wdw Glazing | 60 | 03APR06A | 06MAR07 | 80 | 70 | 12 | -151 | -233 | | | | | | | | |
| | T2860 | AB Ext (GL 11-21)- Install Louvres & Wdw Glazing | 60 | 03APR06A | 06MAR07 | 90 | 70 | 6 | -151 | -233 | | | | | | | | |
| | T2870 | AB Ext UR/LR - Roof Screeding | 18 | 30JUN06A | 22JAN07A | 100 | 0 | 0 | | -199 | - | | | | | | | |
| | T2230 | AB Ext (GL 6-11) - Curtain Wall & Glass Canopy | 30 | 03JUL06A | 27MAR07 | 90 | 0 | 3 | -129 | -197 | - | | | - | | | | |
| | T2232 | AB Ext (GL 11-18) - Curtain Wall Installation | 21 | 03JUL06A | 13MAR07 | 90 | 0 | 5 | -129 | -215 | | | | | | | | |
| | T2841 | AB Ext UR/LR - Render&wall paint to Open Area Rf | 12 | 25JUL06A | 22FEB07 | 90 | 0 | 2 | -141 | -187 | - | | | | | | | |
| | T2840 | AB Ext UR/LR - Roof Waterproofing & Test | 24 | 12AUG06A | 14FEB07A | 100 | 0 | 0 | | -195 | | | | | | | | |
| | T2330 | AB Ext (GL 1-11) - Slate Cladding | 45 | 150CT06A | 27FEB07 | 99 | 0 | 4 | -105 | -179 | | | | - | | | | |
| | T2900 | AB Ext UR/LR - Insulation & Conc Roof Tile | 30 | 06NOV06A | 30MAR07 | 50 | 0 | 15 | -141 | -188 | | | | | | | | |
| | T2350 | AB Ext (GL 1-11) - Ceramic Wall Tiles | 30 | 18DEC06A | 27FEB07 | 80 | 0 | 6 | -105 | -174 | | | | | | | | |
| | T2830 | AB Ext (GL 11-21) - Ceramic Wall Tiles | 30 | 21FEB07 | 27MAR07 | 0 | 0 | 30 | -141 | -228 | - | | | | _ | | | |
| | | | | - | - | | - | | | - | - | | | | | | | |
| | T2915 | AB Ext UR/LR- Install GMS, Balustrades & Railing | 21 | 31MAR07 | 28APR07 | 0 | 0 | 21 | -141 | -170 | | | | | | | | |
| | T2245 | AB Ext (GL 1-21) - Remove External Scaffolding | 12 | 19MAY07 | 16JUN07 | 0 | 0 | 12 | -181 | -207 | | | | | | | | |
| | | | 1 | | | | | • | | | | | | | | | | |

| Act. ID | Activity Description | Orig Dur | | Early Finish | % Compl | Target 1 % Comp | | Total Float | Variance | DEC 39 | JAN 40 | FEB 41 | | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|------------|--------------------------------------------------|-------------|----------|-----------------|------------|--------------------|-----|----------------|--------------|------------|------------------------|-----------|------|---------------------------------------------------|-----------|------------|-----------|
| | - Upper Roof & External Facade | Dur | Start | FINISN | Compl. | % Comp | Dur | Float | Early Finish | 11 18 25 | 1 <mark>8 15 22</mark> | 29 5 12 1 | 9 26 | 5 12 19 26 | 2 9 16 23 | 30 7 14 21 | 28 4 11 1 |
| T2270 | AB Ext (GL 3-11) - Expanded metal mesh cladding | 24 | 19MAY07 | 16JUN07 | 0 | 0 | 24 | -163 | -213 | | | | | | | | |
| T2280 | AB Ext (GL 11-16) - Expanded metal mesh cladding | 24 | 19MAY07 | 16JUN07 | 0 | 0 | 24 | -181 | -237 | | | | | | | | |
| BUILDIN | IG SERVICES | | | | | | | | | | | | | | | | |
| Admin B | ldg (G/F) - E & M Works | | | | | | | | | | | | | | | | |
| EM3540 | BS Works in G/F | 90 | 01JUN06A | 26FEB07 | 95 | 12 | 5 | -152 | -165 | | | | | | | | |
| EM3620 | E&M Works in Risers | 90 | 12JUN06A | 24FEB07 | 95 | 0 | 4 | -151 | -145 | | | | | | | | |
| EM3220 | BS Works for HV Sw + Tx | 12 | 14JUN06A | 22JAN07A | 100 | 0 | 0 | | -205 | | | | | | | | |
| EM3280 | BS Works for LV Sw | 12 | 14JUN06A | 22JAN07A | 100 | 0 | 0 | | -193 | | | | | | | | |
| EM3340 | BS Works for 110V Charger Rm | 12 | 14JUN06A | 22FEB07 | 98 | 0 | 2 | -176 | -229 | | | | | | | | |
| EM3420 | BS Works for Genset | 12 | 14JUN06A | 26FEB07 | 98 | 0 | 5 | -174 | -208 | | | | | | | | |
| EM3300 | LV Sw Installation | 30 | 010CT06A | 28FEB07 | 95 | 0 | 2 | -174 | -184 | | | | • | | | | |
| Admin B | ldg (1/F) - E & M Works | | | | | | 1 | | | | | | | | | | |
| | BS Works in 1/F | 90 | 08JUN06A | 16MAR07 | 90 | 12 | 9 | -168 | -181 | | | | | | | | |
| EM3380 | BS Works for UPS Rm (2x) | 12 | 03JUL06A | 21FEB07 | 98 | 0 | 1 | -182 | -209 | | | | | | | | |
| Admin B | ldg (2/F) - E & M Works | | | 2 | | | | | | | | | | | | | |
| EM3580 | BS Works in 2/F | 90 | 08JUN06A | 16MAR07 | 90 | 0 | 9 | -168 | -142 | | | | | | | | |
| Admin B | ldg (Int. & Ext. Roof Lvl) - E & M Works | | | | | | | | | | | | | | | | |
| EM3600 | BS Works in R/F | 78 | 06JUN06A | 19MAR07 | 70 | 1 | 23 | -170 | -189 | | | | | | | | |
| EM3190 | Admin Bldg - Lift Installation | | 19JUN06A | 28FEB07 | 95 | 0 | 7 | -100 | -90 | | | | | | | | |
| EM3720 | Chiller System in R/F (inc. All AC Units) | 72 | 20JUN06A | 24FEB07 | 95 | 0 | 4 | -143 | -87 | | | | | | | | |
| Admin B | ldg - Testing and Commissioning | | | | | | | | | | | | | | | | |
| EM3640 | Termination of overall Elect HV & LV Sys | 36 | 100CT06A | 16APR07 | 50 | 0 | 8 | -182 | -128 | | | | | | | | |
| EM3260 | HV Sw + Tx Termination + T&C | 30 | 09JAN07A | 26MAR07 | 10 | 0 | 15 | -176 | -151 | | | | | | | | |
| EM3360 | 110V Charger Rm Installation + T&C | 12 | 23FEB07 | 08MAR07 | 0 | 0 | 12 | -176 | -179 | | | | | | | | |
| EM3460 | Genset Termination + T&C | 12 | 23FEB07 | 08MAR07 | 0 | 0 | 12 | -161 | -167 | | | | | | | | |
| EM3520 | MCC Termination + T&C | 30 | 24FEB07 | 30MAR07 | 0 | 0 | 30 | -180 | -172 | | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | | MAR | APR | MAY | JUN |
|-----------|--------------------------------------------------|------|----------|----------|----------|----------|-----|-------|--------------|------------------------------------------|-----------------------|-----------------------------|-------|-------------------------------|-------------------|--------------------|-----------------|
| ID | Description | Dur | - | Finish | Compl. | % Comp | Dur | Float | Early Finish | 39 11 18 25 | 40 1 8 15 22 2 | 41 Э∫5 ₁ 12 (| 19 26 | 42 5 ₁ 12 19 26 | 43 6 2 9 16 23 | 44 30 7 14 21 2 | 45 28 4 11 1 |
| | Bldg - Testing and Commissioning | | | | | | | | | _ | | | | | | | |
| EM3740 | Integrated E&M System T&C | 52 | 17APR07 | 18JUN07 | 0 | 0 | 52 | -182 | -111 | | | | | | | | |
| | Idg - Statutory Inspection and Handover | | | | , , , | | - | | | _ | | | | | | | |
| | Admin Bldg - Lift Commissioning | 24 | 01MAR07 | 28MAR07 | 0 | 0 | 24 | -100 | -90 | | | | | | | | |
| EM3820 | Permanent power energization from SHT NP Bldg | 6 | 27MAR07 | 02APR07 | 0 | 0 | 6 | -174 | -103 | | | | | | - | | |
| SHATIN | HEIGHTS SOUTH PORTAL BUILDING | | | | | | | | | | | | | | | | |
| CONTR | ACT DEFINED DATES & SECTIONS | | | | | | | | | | | | | | | | |
| | CCESS & VACATION DATES | | | | | | | | | | | | | | | | |
| ACS_J2 | Access to - J2 (T.Plate & above) SH-S.Vent.Bldg. | 0 | 10DEC05A | | 100 | 100 | 0 | | -292 | | | | | | | | |
| ACS_D8 | Access to Portion - D8 | 0 | 03JAN06A | | 100 | 100 | 0 | | -292 | - | | | | | | | |
| PROCU | REMENT - MATERIAL | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| ABWF V | VORKS | | | | | | | | | | | | | | | | |
| 2077 | SHT SPB - Procure expanded metal mesh cladding | 180 | 06JUN05A | 09MAR07 | 50 | 50 | 15 | -158 | -234 | | | | | | | | |
| 2082 | SHT SPB - Initial delivery of slate cladding | 0 | 21FEB07* | | 0 | 0 | 0 | -123 | -201 | | | • | | | | | |
| 2083 | SHT SPB - Initial deliv fall arrest roof syst. | 0 | 21FEB07* | | 0 | 0 | 0 | -99 | -192 | - | | | | | | | |
| 2085 | SHT SPB - Initial deliv expanded metal cladding | 0 | 14APR07* | | 0 | 0 | 0 | -158 | -208 | - | | | | | • | | |
| CONST | RUCTION | 1 | | | | | 1 | 1 1 | | | | | | | | | |
| CIVIL & | ABWF WORKS | | | | | | | | | | | | | | | | |
| AB5983 | U/G Drainages and Utilities under bldg | 24 | 01APR06A | 22FEB07 | 95 | 0 | 2 | -131 | -217 | | | | | | | | |
| AB5986 | Backfill, G/F Slabs and Walls | 24 | 20APR06A | 08MAR07 | 95 | 0 | 2 | -131 | -205 | | | | | | | | |
| ABWF | | | | | | | | | | | | | | | | | |
| AB6022 | Remedy SHT Contractor Defects | 25 | 12DEC05A | 23FEB07 | 90 | 90 | 3 | -176 | -237 | | | | | | | | |
| ABWF at G | SF | | | | | | | | | | | | | | | | |
| AB5989 | Initial Finishes to G/F | 18 | 11FEB06A | 20JAN07A | 100 | 5 | 0 | | -199 | | | | | | | | |
| AB6042 | G/F Paint Touch Up & Doors | 12 | 22JAN07A | 09MAR07 | 10 | 0 | 10 | -84 | -112 | | | | | | | | |
| ABWF at 1 | F & LP | | 1 | | | | | | | | | | | | | | |
| AB5995 | Initial Finishes to Lower Plenum | 12 | 10APR06A | 02MAR07 | 95 | 15 | 5 | -144 | -231 | | | | | | | | |
| AB6032 | 1F & LP Paint Touch Up & Doors | 12 | 03NOV06A | 05MAR07 | 50 | 0 | 6 | -80 | -108 | | | | | | | | |
| | | 1 | 1 | | <u> </u> | | 1 | | 1 | | 1 | | | | | | - |

| Ant | A | | Farly | Farby | 0/ | Torget 4 | Dama | Tatal | Variance | DEC | JAN | FEB | | MAR | APR | MAY | JUN |
|-----------|--------------------------------------------------|-------------|------------|-----------------|-------------|--------------------|------|----------------|--------------|------------|------------------------|---------|-------|------------|-----------|--------------|----------|
| Act. | Activity Description | Orig Dur | | Early Finish | % Compl. | Target 1 % Comp | | Total Float | | 39 | 40 | 41 | | 42 | 43 | 44 | 45 |
| ABWF at 2 | • | Dui | Start | FILISI | Compi. | % Comp | Dui | Float | Early Finish | 11 18 25 | 1 <mark>8 15 22</mark> | 29 5 12 | 19 26 | 5 12 19 26 | 2 9 16 23 | 30 7 14 21 2 | 8 4 11 1 |
| | 2/F Paint Touch Up & Doors | 12 | 11NOV06A | 05MAR07 | 60 | 0 | 6 | -80 | -108 | | | | | | | | |
| AD0032 | | 12 | TINOVUUA | USIVIARUI | 00 | 0 | 0 | -00 | -100 | | | | | - | | | |
| ABWF at 3 | 3F | I | 1 | | 1 1 | | 1 | 1 | | | | | | | | | |
| | 3/F Paint Touch Up & Doors | 12 | 11NOV06A | 05MAR07 | 50 | 0 | 6 | -80 | -108 | | | | | | | | |
| | | | | 001111 11 101 | | 0 | Ŭ | | | | | | | | | | |
| ABWF at 4 | F and above | 1 | | | | | I | I | | | | | | | | | |
| AB6004 | Initial Finishes to 4/F and above | 24 | 13APR06A | 02MAR07 | 90 | 10 | 9 | -132 | -213 | | | ¢ | | l | | | |
| | | | | | | | | | | | | | | | | | |
| AB6072 | 4/F and above Paint Touch Up & Doors | 12 | 27FEB07 | 12MAR07 | 0 | 0 | 12 | -86 | -114 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Roof & Ex | ernal Facade | | | | | | | | | | | | | | | | |
| AB6018 | Sht SPB - Ext. Wall Waterproof Render | 21 | 02MAR06A | 09MAR07 | 95 | 0 | 2 | -150 | -228 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6017 | Sht SPB - Ext. Wall Waterproof Membrane | 24 | 04MAR06A | 08MAR07 | 90 | 90 | 14 | -176 | -239 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6067 | Sht SPB - Install Aluminum louvres & doors | 75 | 15MAR06A | 04APR07 | 80 | 0 | 37 | -176 | -200 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6077 | Sht SPB - Alum. composite cladding to ext walls | 60 | 07AUG06A | 22MAR07 | 85 | 0 | 9 | -113 | -123 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6047 | Sht SPB - GMS, S/S Channel, Balustrade & Railing | 18 | 14AUG06A | 10MAY07 | 25 | 0 | 14 | -150 | -222 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6037 | Sht SPB - Roof Waterproofing & Test | 12 | 15DEC06A | 22MAR07 | 40 | 0 | 7 | -121 | -239 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6057 | Sht SPB - 25thk Roof Screed & Roofing Tiles | 18 | 25JAN07A | 26APR07 | 20 | 0 | 14 | -121 | -235 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6007 | Sht SPB - Slate Cladding above NB/SB Carriageway | 36 | 09MAR07 | 24APR07 | 0 | 0 | 36 | -137 | -215 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6027 | Sht SPB - External Wall Painting | 30 | 17MAR07 | 25APR07 | 0 | 0 | 30 | -150 | -228 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6034 | Sht SPB - Expanded metal cladding to ext walls | 30 | 14APR07 | 19MAY07 | 0 | 0 | 30 | -158 | -208 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| AB6048 | Sht SPB - Removed External Scaffolding | 12 | 21MAY07 | 04JUN07 | 0 | 0 | 12 | -158 | -168 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| SHT So | uth Portal Bldg BUILDING SERVICES | | | | · · | | | | | | | | | | | | |
| | WORKS | | | | | | | | | | | | | | | | |
| | n Portal Bldg (G/F) - E & M Works | | | | | | | | | | | | | | | | |
| | Installation of FS Pumps & Pipework at GF | 18 | 15NOV06A | 26FEB07 | 95 | 0 | 2 | -144 | -209 | | | | | | | | |
| | | 10 | ISINO VOUA | 201 2001 | 33 | 0 | - | - 1 | -205 | | | | | | | | |
| SHT South | I Portal Bldg (2F/Silencer) - E & M Work | 1 | 1 | | 1 1 | | 1 | 1 | 1 | | | | | | | | |
| | BS Works for HV Sw + Tx | 12 | 17JUL06A | 21FEB07 | 98 | 0 | 1 | -162 | -211 | | | | | | | | |
| | | | | 007 | | Ū | ' | | | | | | | | | | |
| EM6300 | E&M Works in Corridors 2/F | 24 | 17JUL06A | 21FEB07 | 95 | 0 | 1 | -162 | -187 | | | | | | | | |
| | | | | 007 | | 0 | ' | | | | | | | | | | |
| FM6240 | BS Works for Genset | 18 | 01AUG06A | 22FEB07 | 95 | 0 | 2 | -155 | -206 | | | | | | | | |
| | | | 2 | 001 | | 0 | - | | | | | | | | | | |
| EM6260 | Genset Installation | 36 | 14AUG06A | 24FEB07 | 90 | 0 | 4 | -159 | -172 | | | | | | | | |
| | | | | 007 | | 0 | | | | | | | | | | | |
| | 1 | 1 | | | 1 | | | | 1 | | | | | | 1 | 1 | - |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rom | Total | Variance | DEC | JAN | FEB | | MAR | APR | MAY | JUN |
|-------------|-------------------------------------------------|----------|----------|----------|---------|----------|-----|-------|----------|----------|----------------------------------------------|----------|--------------|---------------|-----|------------------|--------------|
| ID | | Dur | Start | Finish | Compl. | % Comp | | Float | | 39 | 40 1 ₁ 8 ₁ 15 22 29 | 41 | | 42 | 43 | 44 | 45 |
| | n Portal Bldg (3F/Fan Rm) - E & M Work | _ | olait | | le ep.i | ,0 00mp | 20. | 1 | | 11 10 23 | | | <u>, 20 </u> | 0 12 19 20 | | 50 / 14 21 2 | .or+ 1 1 |
| | BS Works for LV Sw, MCC, UPS, LCC | 12 | 12JUN06A | 20JAN07A | 100 | 0 | 0 | | -187 | | | | | | | | |
| EM6200 | BS Works for 110V Charger Rm | 12 | 12JUN06A | 22FEB07 | 98 | 0 | 2 | -166 | -212 | | | <u> </u> | | | | | |
| EM6320 | E&M Works in Corridors 3/F | 24 | 14JUL06A | 21FEB07 | 95 | 0 | 1 | -162 | -187 | | | | | | | | |
| EM6160 | LV Sw, MCC, UPS, LCC Installation | 30 | 16AUG06A | 20JAN07A | 100 | 0 | 0 | | -157 | | | | | | | | |
| EM6360 | Termination of overall Elect HV & LV Sys | 30 | 100CT06A | 20MAR07 | 25 | 0 | 10 | -163 | -144 | | | | | | | | |
| SHT South | n Portal Bldg (4F/Upr Plen) - E & M Work | | | | | | 1 | 1 | | | | | | | | | |
| | TVS Installation | 100 | 12JUN06A | 26FEB07 | 99 | 0 | 5 | -144 | -114 | | | | | | | | |
| Testing an | l d Commissioning | I | | | 1 1 | | 1 | 1 | | | | | | | | | |
| | HV Sw + Tx Termination + T&C | 30 | 27NOV06A | 23MAR07 | 50 | 0 | 15 | -166 | -177 | | | | | | | | |
| EM6180 | LV Sw, MCC, UPS, LCC Termination + T&C | 30 | 27DEC06A | 13MAR07 | 10 | 0 | 10 | -163 | -168 | | | | | | | | |
| EM6280 | Genset Termination + T&C | 12 | 15JAN07A | 03MAR07 | 5 | 0 | 6 | -159 | -166 | - | | | | | | | |
| EM6220 | 110V Charger Rm Installation + T&C | 12 | 21FEB07 | 06MAR07 | 0 | 0 | 12 | -166 | -210 | - | | • | | | | | |
| EM6420 | Integrated E&M System T&C | 52 | 10APR07 | 11JUN07 | 0 | 0 | 52 | -176 | -104 | | | | | | | | |
| Statutory I | Inspection & Issued Certificates | | | | 1 1 | | 1 | 1 | | | | | | | | | |
| | Perm't power energ. (From ENT SPB) | 6 | 22MAR07 | 28MAR07 | 0 | 0 | 6 | -170 | -98 | | | | | | | | |
| SHT T | | | | | | | | | | | | | | | | | |
| CONST | RUCTION | | | | | | | | | | | | | | | | |
| SHT NO | RTHBOUND TUNNEL | | | | | | | | | | | | | | | | |
| (E & M) | BUILDING SERVICES | | | | | | | | | | | | | | | | |
| | unnel Ventillation System Above OHVD | | | | | | | | | | | | | | | | |
| 207004 | Sht NB - Install Motorized Smoke & Fire Damper | 48 | 22FEB06A | 20JAN07A | 100 | 80 | 0 | | -207 | | | | | | | | |
| 207006 | Sht NB - Comp Air Pipes/Condts to E/P1 to E/P5 | 36 | 12APR06A | 22FEB07 | 98 | 5 | 2 | -162 | -219 | | | | | | | | |
| 207005 | Sht NB - Comp Air Pipes/Condts to E/P10 to E/P6 | 36 | 20JUN06A | 03FEB07A | 100 | 0 | 0 | | -170 | | | | | | | | |
| 207007 | Sht NB - Cabling, wiring and termination | 24 | 20JUN06A | 05MAR07 | 95 | 0 | 3 | -162 | -168 | | | | | | | | |
| 207008 | Sht NB - MVAC Testing and T&C | 12 | 06MAR07 | 19MAR07 | 0 | 0 | 12 | -162 | -168 | | | | | | | | |
| Plumbing | l and Drainage | | | | 1 1 | | 1 | 1 | | | | | | | | | |
| 214030 | Sht NB - Pipe Testing & T&C | 12 | 15MAY06A | 22FEB07 | 90 | 0 | 2 | -159 | -201 | | | | | | | | |
| | · | | | | . 1 | | | ı | | | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | | MAR | APR | MAY | JUN |
|--------------|--------------------------------------------------|-----------|----------------|----------|---------|----------|------|-------|----------|-----|-----------|-----------|------------|----------|-----------|-------------------------|-----|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | | Float | | 39 | 40 | 41 | 0 26 5 | 42 | 43 | 44 30 7 14 21 28 | 45 |
| | and Drainage | 12 0.1 | olait | | [00p.i] | ,0 00mp | 2 4. | | | | 0 13 22 | 29 3 12 1 | 9 20 2 | 12 19 20 | 2 9 10 23 | <u>30 µ 14 µ21 µ20</u> | |
| | Sht NB - Pipe Connectn, pumps, tanks to SP / NP | 18 | 23FEB07 | 15MAR07 | 0 | 0 | 18 | -159 | -231 | | | | | | | | |
| | | | | | | - | | | | | | | | | | | |
| Fire Protec | tion System | | 1 | | | | | | | | | | | | | | |
| 221054 | Sht NB - Install FS Conduits for Niches | 30 2 | 22MAR06A | 22FEB07 | 98 | 20 | 2 | -175 | -217 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 221057 | Sht NB - Hose Reel Cabinets & Equipts | 40 (| 08MAY06A | 08MAR07 | 98 | 0 | 2 | -175 | -183 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 221052 | Sht NB - Install brckt for detection sys @ C/L | 30 2 | 200CT06A | 27JAN07A | 100 | 0 | 0 | | -192 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 221053 | Sht NB - Install detection system @ Ceiling Lvl | 24 | 250CT06A | 27JAN07A | 100 | 0 | 0 | | -168 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 221059 | Sht NB - FS wiring & termination | 24 (| 09NOV06A | 10MAR07 | 98 | 0 | 2 | -175 | -159 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 221061 | Sht NB - FS Testing and T&C | 12 | 12MAR07 | 03APR07 | 20 | 0 | 20 | -175 | -167 | | | | | | - | | |
| | | | | | | | | | | | | | | | | | |
| | Vorks Below OHVD | | | | 1 1 | | | | | | | | _ | | | | |
| 235165 | Sht NB - Cabling, Wiring and Termination | 36 3 | 30MAY06A | 24FEB07 | 98 | 0 | 4 | -167 | -162 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 235163 | Stn NB Access to Civil Contractr for Rd Pavement | 0 | 21FEB07 | | 0 | 0 | 0 | -163 | -182 | | | | | | | | |
| | | | | | | | | | | | | | | _ | | | |
| 235166 | Sht NB - Lighting Test and T&C | 12 | 26FEB07 | 10MAR07 | 0 | 0 | 12 | -167 | -162 | | | | | - | | | |
| | | | | | | | | | | | | | | | | | |
| 235167 | Stn NB Access to Civil Contractor for Top Layer | 0 | | 10MAR07 | 0 | 0 | 0 | -167 | -162 | | | | | - | | | |
| | | | | | | | | | | | | | | | | | |
| SHT SO | UTHBOUND TUNNEL | | | | | | | | | | | | | | | | |
| (E & M) E | BUILDING SERVICES | | | | | | | | | | | | | | | | |
| | nnel Ventilation System Above OHVD | - I - I - | | | | | - | | | | | | | | | | |
| 242270 | Sht SB - Install Motorized Smoke & Fire Damper | 48 (| 02MAR06A | 20JAN07A | 100 | 74 | 0 | | -204 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 242272 | Sht SB - Comp Air Pipes/Condts to E/P1 to E/P5 | 36 | 08MAY06A | 03FEB07A | 100 | 0 | 0 | | -156 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 242273 | Sht SB - Cabling, wiring and termination | 24 | 20JUN06A | 01MAR07 | 70 | 0 | 8 | -162 | -151 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 242274 | Sht SB - MVAC Testing and T&C | 12 | 02MAR07 | 15MAR07 | 0 | 0 | 12 | -159 | -151 | | | | - - | | | | |
| | | | | | | | | | | | | | | | | | |
| | Ind Drainage | 40 | 00 11 11 100 1 | 0055505 | | | 6 | 4.50 | | | | | | | | | |
| 249393 | Sht SB - Pipe Testing and T&C | 12 | 22JUN06A | 22FEB07 | 90 | 0 | 2 | -159 | -177 | | | | | | | | |
| 0.4000- | | | 0055505 | 4514554 | | | 4.0 | 4.50 | 0.7 | | | | | _ | | | |
| 249392 | Sht SB - Pipe Connectn, pumps, tanks to SP / NP | 18 | 23FEB07 | 15MAR07 | 0 | 0 | 18 | -159 | -207 | | | | | | | | |
| Eiro Droto - | tion System | | | | | | | | | | | | | | | | |
| | Sht SB - Hose Reel Cabinets & Equipts | 40 | 30JUN06A | 26FEB07 | 98 | 0 | 5 | -159 | -120 | | | | | | | | |
| 200010 | on ou - nose reel cabinets à Equipts | 40 | JUJUNUUA | ZUFEDUI | 90 | 0 | 5 | -159 | -120 | | | | | | | | |
| 256514 | Sht SB - Install brckt for detection sys @ C/L | 30 | 04SEP06A | 27JAN07A | 100 | 0 | 0 | | -192 | | | | | | | | |
| 200014 | Uni UD - Install Dickt for detection sys . O/L | 30 | | | 100 | 0 | U | | -192 | | | | | | | | |
| 256515 | Sht SB - Install detection system @ Ceiling Lvl | 24 | 01OCT06A | 27JAN07A | 100 | 0 | 0 | | -168 | | | | | | | | |
| 230315 | | 24 | OTOCTOOR | | 100 | 0 | U | | -100 | | | | | | | | |
| | | | | | 1 | | | | | | | | | | | I | 4 |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | | MAR | APR | MAY | JUN |
|--------------|--------------------------------------------------|------|-----------|-------------|--------|----------|-----|-------|----------|----------------|--------------------|-----|--------|----------|-----|-----|-----------|
| ID | Description | Dur | • | Finish | Compl. | % Comp | | Float | | 39 11_18_25 | 40 1 8 15 22 29 | 41 | 9 26 5 | 42 | 43 | 44 | 28 4 11 1 |
| Fire Protec | tion System | | | | | | | | | 10 23 | | | | 12 13 20 | | | |
| | Sht SB - FS Wiring & Termination | 24 | 10NOV06A | 01MAR07 | 90 | 0 | 3 | -159 | -97 | | | | - | | | | |
| | | | | | - | | | | | - | | | | | | | |
| 256521 | Sht SB - FS Testing and T&C | 12 | 02MAR07 | 15MAR07 | 0 | 0 | 12 | -159 | -97 | | | | | | | | |
| Electrical V | Vorks Below OHVD | | | | | | | | | | | | | | | | |
| | Sht SB - Cabling, Wiring and Termination | 36 | 010CT06A | 01MAR07 | 80 | 0 | 8 | -171 | -120 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 270801 | Stn SB Access to Civil Contractr for Rd Pavement | 0 | 21FEB07 | | 0 | 0 | 0 | -163 | -178 | | | | | | | | |
| | | | | | | | | | | - | | | | | | | |
| 270804 | Sht SB - Lighting Test and T&C | 12 | 02MAR07 | 15MAR07 | 0 | 0 | 12 | -171 | -120 | | | | | _ | | | |
| 270805 | Stn SB Access to Civil Contractor for Top Layer | 0 | | 15MAR07 | 0 | 0 | 0 | -171 | -120 | - | | | | • | | | |
| 270000 | our ob Access to own contractor for Top Layer | Ŭ | | TOMATOT | U | 0 | | | -120 | | | | | • | | | |
| SHT CR | OSS PASSAGES (CP1 to CP10) | | | | | | | | | | | | | | | | |
| | BUILDING SERVICES | | | | | | | | | | | | | | | | |
| Electrical V | | | | | | | | | | | | | | | | | |
| 277959 | (CP1-CP10) - MCCB / MCB Bd,CMCS,Busbar,Switches | 72 | 13JUN06A | 26FEB07 | 95 | 0 | 5 | -174 | -129 | - | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 277960 | (CP1-CP10) - Conduit, light Fixture, Swt & Test | 36 | 15AUG06A | 26FEB07 | 40 | 0 | 5 | -171 | -165 | | | I | | | | | |
| 277061 | (CP1-CP10) - HV & LV Cables Termination & Test | 10 | 15NOV06A | 12MAR07 | 50 | 0 | 4 | -171 | -115 | | | | | - | | | |
| 211901 | (CFT-CFT0) - HV & LV Cables Termination & Test | 40 | ISINOVUUA | 12IVIARU7 | 50 | 0 | 4 | -171 | -115 | | | | | | | | |
| 277962 | (CP1-CP10) - Switchboard, CMCS, Eqpt, Testing | 48 | 21FEB07 | 15MAR07 | 0 | 0 | 20 | -174 | -118 | 1 | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| SHT N | ORTH PORTAL BUILDING | | | | | | | | | | | | | | | | |
| PROCU | REMENT - MATERIAL | | | | | | | | | | | | | | | | |
| ABWF V | VORKS | | | | | | | | | | | | | | | | |
| | SHT NPB - Initial delivery of slate claddings | 0 | 21FEB07* | | 0 | 0 | 0 | -153 | -192 | - | | | | | | | |
| | , , | | | | | | | | | | | | | | | | |
| 2104 | SHT NPB - Initial deliv fall arrest roofing syst | 0 | 21FEB07* | | 0 | 0 | 0 | -117 | -185 | | | 4 | | | | | |
| | | _ | | | | | | | | - | | | | | | | |
| 2106 | SHT NPB - Initial deliv alum. composite cladding | 0 | 21FEB07* | | 0 | 0 | 0 | -129 | -157 | | | | | | | | |
| CONST | RUCTION | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | CCESS to SHT North Portal Bldg | 40 | 0455007 | 0014007 | | ^ | 40 | 045 | 000 | - | | Ļ | | 1 | | | |
| EM/286 | TCSS Containment in 1/F | 12 | 21FEB07 | 06MAR07 | 0 | 0 | 12 | 215 | -223 | | | ľ | | 1 | | | |
| EM7289 | TCSS Containment in Lower Plenum | 18 | 21FEB07 | 13MAR07 | 0 | 0 | 18 | 209 | -218 | - | | Ļ | | | | | |
| | | | 211 2007 | 10101/11/07 | | 0 | | 200 | 210 | | | Ī | | _ | | | |
| EM7292 | TCSS Containment in 2/F | 18 | 21FEB07 | 13MAR07 | 0 | 0 | 18 | 209 | -223 | 1 | | ¢ | | | | | |
| | | | | | | | | | | | | | | | | | |
| EM7295 | TCSS Containment in 3/F and above | 18 | 21FEB07 | 13MAR07 | 0 | 0 | 18 | 209 | -218 | | | ĥ | | | | | |
| EN7000 | | 40 | 00144 D07 | | | ^ | 40 | 007 | 000 | - | | | | _ | | | |
| EM7283 | TCSS Containment in G/F | 12 | 02MAR07 | 15MAR07 | 0 | 0 | 12 | -267 | -226 | | | | - | | | | |
| | | | | | | | I | | | | | | | | | | |

| Act. | Activity | Orig Early | Early | % | Target 1 | Rem | Total | Variance | DEC | JAN | FEB | MAR | APR | MAY | JUN |
|-----------|-------------------------------------------------|-------------|----------|--------|----------|------|-------|----------|----------------|--------------------|---------------|-----------------|--------------------|-----|----------------|
| ID | Description | Dur Start | Finish | Compl. | % Comp | | Float | | 39 11 18 25 | 40 1 8 15 22 29 | 41 5 12 19 | 42 26 5 12 1 | 43 2 9 16 23 30 | 44 | 45 8 4 11 1 |
| TCSS A | ccess to SHT North Portal Bldg | | | | | | | | | | | | | | |
| EM7290 | TCSS ACCESS - GF (Room G02-G03, G04-G08) | 0 | 01MAR07 | 0 | C | 0 0 | -263 | -226 | | | | • | | | |
| EM7293 | TCSS ACCESS - GF (Room G09,G15) | 0 | 15MAR07 | 0 | C | 0 0 | -267 | -226 | | | | • | | | |
| CIVIL & | ABWF WORKS | | - | | | | | | | | | | | | |
| AB7040 | 11U/G Drainages and Utilities under bldg | 24 20JUL06A | 26FEB07 | 80 | C | 5 | 217 | -220 | | | | | | | |
| AB7060 | Backfill, G/F Slabs and Walls | 24 04SEP06A | 03MAR07 | 80 | C |) 5 | 217 | -201 | | | | | | | |
| ABWF W | /orks | | | 1 | | 1 | 1 | | | | | | | | |
| ABWF at C |)F | | | | | | | | | | | | | | |
| AB7080 | Initial Finishes to G/F | 18 25APR06A | 01MAR07 | 95 | 7 | 7 8 | -267 | -226 | | | | | | | |
| AB7330 | G/F paint Touch Up & Doors | 12 22JAN07A | 29MAR07 | 20 | C | 0 10 | -101 | -108 | | | | | | | |
| ABWF at 1 | F & LP | 1 1 | | 1 1 | | 1 | 1 | | | | | | | | |
| AB7120 | Initial Finishes to Lower Plenum | 12 22APR06A | 01MAR07 | 95 | C | 8 | -161 | -226 | | | | - | | | |
| AB7320 | 1F & LP Paint Touch Up & Doors | 12 18JAN07A | 21MAR07 | 80 | C | 3 | -94 | -101 | - | | | | | | |
| ABWF at 2 | F | | | | | 1 | | | | | | | | | |
| | 2/F Paint Touch Up & Doors | 12 18JAN07A | 21MAR07 | 80 | C |) 3 | -94 | -101 | - | | | | | | |
| ABWF at 3 | F | | 1 | | | | 1 1 | | | | | | | | |
| AB7350 | 3/F Paint Touch Up & Doors | 12 18JAN07A | 21MAR07 | 80 | C | 3 | -94 | -101 | | | | | | | |
| ABWF at 4 | F | | 1 | | | | | | | | | | | | |
| AB7180 | Initial Finishes to 4/F and above | 24 02MAY06A | 01MAR07 | 90 | C | 8 (| 219 | -214 | | î | | | | | |
| AB7360 | 4/F and above Paint Touch Up & Doors | 12 01FEB07A | 29MAR07 | 20 | C | 0 10 | -101 | -108 | | | | | | | |
| Roofing & | External Facade | | | | | | | | | | | | | | |
| B70205 | Sht NPB - Ext. Wall Waterproof Render | 21 04MAY06A | 23FEB07 | 95 | C |) 3 | -132 | -212 | | | | | | | |
| AB7290 | Sht NPB - Install Aluminum louvres & doors | 75 06MAY06A | 13MAR07 | 75 | C | 0 18 | -117 | -181 | | | | | | | |
| AB7280 | Sht NPB - Alum. composite cladding to ext walls | 60 16OCT06A | 27MAR07 | 50 | C | 30 | -129 | -127 | | | _ | | | | |
| AB7270 | Sht NPB - Roof Waterproofing & Test | 12 22DEC06A | 02MAR07 | 15 | C | 9 | -152 | -221 | | | | | | | |
| AB7300 | Sht NPB - 25thk Roof Screed & Roofing Tiles | 18 25JAN07A | 02APR07 | 20 | C | 0 14 | -152 | -217 | - | | | | | | |
| AB7260 | Sht NPB - External Wall Painting | 30 01FEB07A | 30MAR07 | 20 | C | 24 | -132 | -206 | | | | | | | |
| AB7220 | Sht NPB - Expanded metal cladding to Ext Walls | 30 21FEB07 | 27MAR07 | 0 | C | 0 30 | -129 | -167 | - | | • | | | | |
| | | | <u> </u> | | | | | | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC 39 | JAN 40 | FEB 41 | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|---------------------------------------|--------------------------------------------------|------|----------|-----------|--------|----------|-----|-------|--------------|-----------|-------------------------------------|------------|---------------|-----------|--------------------|-----------|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | 11 18 25 | 1 ₁ 8 ₁ 15 22 | 29 5 12 19 | 26 5 12 19 26 | 2 9 16 23 | 14 21 ² | 28 4 11 1 |
| | External Facade | 00 | 0455007 | 0040007 | | | 00 | 450 | 100 | - | | | | | | |
| AB7310 | Sht NPB - Slate Cladding above NB/SB Carriageway | 36 | 21FEB07 | 03APR07 | 0 | 0 | 36 | -153 | -192 | | | | | | | |
| AB7250 | Sht NPB - GMS, S/S Channel, Balustrade & Railing | 18 | 04APR07 | 28APR07 | 0 | 0 | 18 | -153 | -192 | - | | | | | | |
| 1.07200 | | | 04/11/07 | 20/11/10/ | Ŭ | 0 | | 100 | 102 | | | | | | | |
| AB7255 | Sht NPB - Removed External Scaffolding | 12 | 30APR07 | 14MAY07 | 0 | 0 | 12 | -153 | -151 | 1 | | | | | | |
| | | | | | | | | | | | | | | | | |
| Sht No | rth Portal Bldg BUILDING SERVICES | | | | | | | | | | | | | | | |
| E & M | WORKS | | | | | | | | | | | | | | | |
| | h Portal Bldg (G/F) - E & M Works | | 1 | | | | 1 | | 1 | | | | | | | |
| EM7280 | E&M Access to G/F | 0 | 02MAR07 | | 0 | 0 | 0 | -267 | -226 | | | | • | | | |
| -147004 | | 40 | 0014007 | 00140 007 | - | | 40 | 405 | 000 | - | | | | | | |
| EM7281 | Installation of FS Pumps & Pipework at GF | 18 | 02MAR07 | 22MAR07 | 0 | 0 | 18 | -165 | -226 | | | | | | | |
| SHT Nort | h Portal Bldg (2F/Silencer) - E & M Work | | | | 1 | | 1 | 1 | 1 | | | + | | | | |
| | BS Works for TVS Plenums | 30 | 26JUN06A | 24FEB07 | 90 | 0 | 4 | -161 | -192 | | | | | | | |
| | | | | | | | | | | | | | | | | |
| EM7520 | E&M Works in Corridors 2/F | 24 | 01AUG06A | 22FEB07 | 95 | 0 | 2 | -162 | -189 | | | | | | | |
| | | _ | | | | | | | | | | | | | | |
| EM7480 | Genset Installation | 30 | 01SEP06A | 23FEB07 | 90 | 0 | 3 | 212 | -172 | | | | | | | |
| | │ h Portal Bldg (3F/Fan Rm) - E & M Work | | | | | | | | | | | | | | | |
| | BS Works for LV Sw, MCC, UPS, LCC | 12 | 17JUL06A | 21FEB07 | 98 | 0 | 1 | -174 | -207 | | | ╧╼═╌╋ | | | | |
| | | 12 | 17002007 | ZIIEDOI | | 0 | ' | | 201 | | | | | | | |
| EM7540 | E&M Works in Corridors 3/F | 24 | 01AUG06A | 28FEB07 | 95 | 0 | 3 | -167 | -189 | | | | | | | |
| | | | | | | | | | | | | | | | | |
| EM7580 | Termination of overall Elect HV & LV Sys | 29 | 100CT06A | 15MAR07 | 50 | 0 | 5 | -174 | -118 | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | nd Commissioning HV Sw + Tx Termination + T&C | 30 | 16NOV06A | 26FEB07 | 50 | 0 | 3 | -161 | -156 | | | | | | | |
| EIVI7 340 | | 30 | TONOVUOA | 2055001 | 50 | 0 | 3 | -101 | -150 | | | | - | | | |
| EM7400 | LV Sw, MCC, UPS, LCC Termination + T&C | 30 | 22DEC06A | 17MAR07 | 50 | 0 | 5 | 205 | -168 | | | | | | | |
| | | | | | | Ŭ | | | | | | | | | | |
| EM7440 | 110V Charger Rm Installation + T&C | 12 | 22DEC06A | 22FEB07 | 50 | 0 | 2 | -161 | -196 | | | | | | | |
| | - | | | | | | | | | | | | | | | |
| EM7500 | Genset Termination + T&C | 12 | 21FEB07 | 09MAR07 | 0 | 0 | 12 | 212 | -172 | | | | | | | |
| | | _ | | | | | | | | 4 | | | | | | |
| EM7640 | Integrated E&M System T&C | 52 | 16APR07 | 16JUN07 | 0 | 0 | 52 | -181 | -116 | | | | | — | | |
| Statutory | Inspection & Issued Certificates | | | | | | | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | Room Available for CLP Equipment Installation | 0 | 21FEB07* | | 0 | 0 | 0 | -136 | 0 | | | | | | | |
| | | ľ | | | | Ũ | | | | | | | | | | |
| EM7660 | Submit WR1 to CLP (SHT NP Bldg) | 6 | 22FEB07 | 15MAR07 | 0 | 0 | 6 | -174 | -118 | | | | | | | |
| | | | | | | | | | | | | | | | | |
| EM7680 | CLP insp. | 6 | 16MAR07 | 22MAR07 | 0 | 0 | 6 | -174 | -106 | | | | | | | |
| | | | | 0014150- | | - | | 4-1 | 400 | - | | | | | | |
| EM7700 | CLP connection/ready for energization | 0 | | 22MAR07 | 0 | 0 | 0 | -174 | -106 | | | | - | | | |
| | | | | | | | | | | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | Rem | Total | Variance | DEC 39 | JAN 40 | FEB | | MAR 42 | APR 43 | MAY 44 | JUN 45 |
|---------|----------------------------------------------------|-------|----------|---------|--------|----------|------|-------|--------------|-----------|-----------|----------|----------|-----------|-----------|------------|-----------|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | | | | 9 26 5 | | | 30 7 14 21 | |
| | / Inspection & Issued Certificates | 2 | | | | | | 474 | 102 | | | | | | | | |
| | 0 Perm't power energ. (From SHT NPB) | 3 | 23MAR07 | 26MAR07 | 0 | (|) 3 | -174 | -103 | | | | | | | | |
| SHT R | C ENCLOSURE & T3 UNDERPASS | | | | | | | | | | | | | | | | |
| | FACE DATES | | | | | | | | | | | | | | | | |
| | C FULL ENCLOSURE / T3 UNDERPASS | | | | | | | | | | | | | | | | |
| | LKJV - Posession of T3 Underpass | 0 | 21FEB07* | | 0 | (| 0 0 | -82 | -219 | - | | | | | | | |
| | | | | | | | | | | - | | | | | | | |
| EM403 | 0 Integrated T&C | 30 | 16APR07 | 21MAY07 | 0 | (| 30 | -147 | -74 | | | | | | | | |
| CONS | TRUCTION WORKS | | | | | | | | | | | | | | | | |
| | C FULL ENCLOSURE / T3 UNDERPASS | | | | | | | | | | | | | | | | |
| Koisk S | 1 at Shatin North Control Point | | | | | | | | | | | | | | | | |
| EM395 | 0 Kiosk S1 - Structure & Fittings | 24 | 03OCT06A | 27FEB07 | 60 | (|) 6 | -74 | -221 | | | | | | | | |
| EM395 | 2 Kiosk S1 - Install E&M Works | 18 | 06FEB07A | 13MAR07 | 10 | (|) 15 | -74 | -215 | | | | | | | | |
| EM396 | 0 Wighbridge S1 - Install | 12 | 21FEB07 | 06MAR07 | 0 | (|) 12 | -92 | -239 | - | | | | | | | |
| EM397 | 0 Weighbridge S1 - Test and T&C | 30 | 07MAR07 | 14APR07 | 0 | (| 0 30 | -92 | -239 | - | | | | | | | |
| EM395 | 4 Kiosk S1 - E&M Testing and T&C | 6 | 14MAR07 | 20MAR07 | 0 | (| 0 6 | -74 | -215 | - | | | | | | | |
| RC Ful | I Enclosure - LV Switch Room | | | | | | | | | | | | | | | | |
| | 0 E&M Access to Southern LV Switch Room | 0 | 06FEB07A | | 100 | (| 0 0 | | -229 | | | ♦ | | | | | |
| 28007 | 2 LV SW Rm - Cable Containment & Equipt Supports | 24 | 21FEB07 | 20MAR07 | 0 | (| 24 | -181 | -239 | - | | | | | | | |
| 28007 | 4 LV SW Rm - SWGR, MCCB/ MCB Board, FS Panels | 24 | 28FEB07 | 27MAR07 | 0 | (| 24 | 185 | -209 | - | | | _ | | | | |
| 28007 | 6 LV SW Rm - Elect Lightings & Conduits | 18 | 07MAR07 | 03APR07 | 0 | (| 0 18 | -181 | -233 | - | | | | | | | |
| 28007 | 9 LV SW Rm - MCCB,MCB,LV Sw,FS panels Term & Test | 18 | 14MAR07 | 14APR07 | 0 | (|) 18 | 185 | -203 | - | | | | | | | |
| 28008 | 0 LV SW Rm - Connect HV / LV Cables from SHT NPB | 24 | 14MAR07 | 14APR07 | 0 | (| 24 | 185 | -191 | | | | | | | | |
| 28007 | 8 LV SW Rm - Lightings wiring, term & test | 6 | 04APR07 | 14APR07 | 0 | (| 0 6 | -181 | -233 | - | | | | | | | |
| STN R | C FULL ENCLOSURE (North Bound) - E&M WORKS | | | | | | | | | | | | | | | | |
| | Tunnel Ventillation System | 1.6.5 | 1055555 | | | | | | | | | | | | | | |
| 28000 | 0 RCFE NB - Ductworks Supports / Containment @ C/L | 36 | 18FEB06A | 21FEB07 | 98 | 30 | 0 1 | -157 | -223 | | | | | | | | |
| 28000 | 6 RCFE NB - Cabling, wiring and termination | 24 | 25NOV06A | 06MAR07 | 80 | (|) 5 | -129 | -162 | | | | | | | | |
| 28000 | 8 RCFE NB - MVAC Testing and T&C | 12 | 27MAR07 | 13APR07 | 0 | (|) 12 | -146 | -103 | | | | | | | | |

| Act. | Activity | Orig | Early | Early | % | Target 1 | | Total | | DEC 39 | JAN 40 | FEB 41 | MAR 42 | 1 | APR 43 | MAY 44 | JUN 45 |
|-----------|----------------------------------------------------|------|----------|---------|--------|----------|-----|-------|--------------|-----------|-----------|-----------|-----------|----------|-----------|--------------|-----------|
| ID | Description | Dur | Start | Finish | Compl. | % Comp | Dur | Float | Early Finish | | | | | 9 26 2 9 | |) 7 14 21 21 | |
| Fire Prot | ection System | | | | _ | | | | | | | | | | | | |
| 28002 | 6 RCFE NB - FS Conduit, Hose Reel Cabinets & Eqpt. | 16 | 31JUL06A | 22FEB07 | 70 | 0 | 2 | -147 | -165 | | | | | | | | |
| 28002 | 9 RCFE NB - Install Smoke detector @ N1-N3 | 10 | 23FEB07 | 06MAR07 | 0 | 0 | 10 | -135 | -165 | | | | | | | | |
| 28003 | 0 RCFE NB - FS Wiring & Termination | 24 | 28FEB07 | 27MAR07 | 0 | 0 | 24 | -147 | -165 | | | | - | | | | |
| 28003 | 2 RCFE NB - FS Testing and T&C | 12 | 28MAR07 | 14APR07 | 0 | 0 | 12 | -147 | -104 | | | | | | | | |
| Electrica | Worko | | | | 1 1 | | 1 | | | | | | | | | | |
| I | | 40 | | 0455007 | 00 | 0 | | 404 | 405 | | | | - | | | | |
| | 8 RCFE NB - Earthing, Lighting, Equipt. @ C/L | 48 | | 24FEB07 | 90 | | | -131 | -135 | | | | | | | | |
| 28004 | 6 RCFE NB - Conduits Works @ Ceiling Level | 36 | 11DEC06A | 26FEB07 | 90 | 0 | 5 | -132 | -148 | | | | | | | | |
| 28003 | 4 RCFE NB - E&M Access to Southern LV Sw Room | 0 | 06FEB07A | | 100 | 0 | 0 | | -193 | | | ♦ | | | | | |
| 28003 | 8 RCFE NB - HV & LV Cabling Works @ C Trough | 36 | 21FEB07 | 03APR07 | 0 | 0 | 36 | -180 | -203 | | | | | | | | |
| 28004 | 0 RCFE NB - Install Power Distn Panels & Test | 30 | 13MAR07 | 27APR07 | 0 | 0 | 30 | -180 | -190 | - | | | | | | | |
| 28005 | 4 RCFE NB - Tunnel Signage, Wiring, Term & Test | 40 | 28APR07 | 15JUN07 | 0 | 0 | 40 | -180 | -166 | | | | | | | | |
| STN R | C FULL ENCLOSURE (South Bound) - E&M WORKS | | | | | | 1 | | | | | | | | | | |
| | Tunnel Ventillation System | | | | | | | | | | | | | | | | |
| | 8 RCFE SB - Cabling, wiring and termination | 24 | 21FEB07 | 20MAR07 | 0 | 0 | 24 | -141 | -174 | - | | | | | | | |
| | | | | | | - | | | | - | | | | | _ | | |
| 28009 | 0 RCFE SB - MVAC Testing and T&C | 12 | 27MAR07 | 13APR07 | 0 | 0 | 12 | -146 | -103 | | | | | | | | |
| Fire Prot | ection System | | | | | | | | | | | | | | | | |
| 28009 | 6 RCFE SB - FS Conduit, Hose Reel Cabinets & Eqpt. | 16 | 01NOV06A | 22FEB07 | 90 | 0 | 2 | -147 | -202 | | | | | | | | |
| 28010 | 0 RCFE SB - Install Smoke detector @ S1-S4 | 10 | 23FEB07 | 06MAR07 | 0 | 0 | 10 | -135 | -202 | | | | | | | | |
| 28010 | 2 RCFE SB - FS Wiring & Termination | 24 | 28FEB07 | 27MAR07 | 0 | 0 | 24 | -147 | -202 | | | | | | | | |
| 28010 | 4 RCFE SB - FS Testing and T&C | 12 | 28MAR07 | 14APR07 | 0 | 0 | 12 | -147 | -104 | | | | | | | | |
| Electrica | l I Works | | | | 1 1 | | 1 | | | | | | | | | | |
| | RCFE SB - E&M Access to Southern LV Sw Room | 0 | 21FEB07* | | 0 | 0 | 0 | -180 | -203 | | | • | | | | | |
| 28011 | 2 RCFE SB - HV & LV Cabling Works @ C Trough | 36 | 21FEB07 | 03APR07 | 0 | 0 | 36 | -180 | -203 | | | • | | | | | |
| 28011 | 8 RCFE SB - Conduits Works @ Ceiling Level | 36 | 21FEB07 | 03APR07 | 0 | 0 | 36 | -163 | -179 | | | • | | | | | |
| 28012 | 0 RCFE SB - Earthing, Lighting, Equipt. @ C/L | 48 | 21FEB07 | 26FEB07 | 90 | 0 | 5 | -132 | -136 | | | | | | | | |
| 28011 | 4 RCFE SB - Install Power Distn Panels & Test | 30 | 13MAR07 | 27APR07 | 0 | 0 | 30 | -180 | -190 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| Act. ID | Activity Description | Orig Dur | Early Start | Early Finish | % Compl. | Target 1 % Comp | | Total Float | | DEC 39 11 18 25 | JAN 40 15 22 | 29.5 | FEB 41 12 .19 | 26.5 | MAR 42 | a 26 2 | 4 | PR 3 16 23 3 | MAY 44 | JUN 45 28 4 11 |
|--------------|------------------------------------|-------------|----------------|-----------------|-------------|--------------------|----|----------------|------|-----------------------|--------------------|------|---------------------|------|-----------|---------------|----------|--------------------|-----------------------|----------------------|
| Electrical W | • | 40 | 28APR07 | 15JUN07 | 0 | 0 | | -180 | -166 | | 13 22 | 29 0 | _12 19 | | _12 13 | | <u> </u> | | 90 <i>1</i> 14 21 | |
| T3 UND | ERPASS 2 at T3 Underpass Portal | | | | | | 1 | 1 1 | | | | | | | | | | | | |
| EM3980 | Kiosk S2 - Structure & Fittings | 24 | 11SEP06A | 08MAR07 | 80 | 0 | 14 | -82 | -209 | | | - | | | | | | | | |
| | Kiosk S2 - Install E&M Works | 18 | | 22MAR07 | 10 | 0 | 15 | -82 | -203 | _ | | | | | | | | | | |
| EM4002 | Kiosk S2 - E&M Testing and T&C | 6 | 23MAR07 | 29MAR07 | 0 | 0 | 6 | -82 | -203 | | | | | | | | | | | |

Delcan-Imtech-GTECH Joint Venture Contract No. HY/2003/05 Route 8 - Traffic Control and Surveillance System

5-week Rolling Programme of Site Works

| Rev: | : 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|------------|---------------|-------------------------------------------|----------------------------------------------------------------|---------------------------------------|--------|----------|----|-----|-----|----------|-----|-----|----------|-----------|-------|------|----------|------|----|-------|----|----------|-------|------|-------|-----------------|---------------|-----|
| Item | Civil Area | Portion | Work Area | Activity | [8]Type of major equipmen | t | Fenb 07 | | + | | | | | | | | | Ма | r-07 | | | | | | | | | | |
| No. | | | | | / plant to be used | S S | M T | W | TF | S S | М | ΤW | / T | F S | S | ΜT | W | Т | FS | S | ΜT | W | Т | F S | S | ΜT | W | Τſ | - 5 |
| | | | | | | 24 2 | 5 26 27 | 28 | 1 2 | 3 4 | 5 | 6 7 | 8 | 9 10 | 11 | 12 13 | 3 14 | 15 1 | 6 17 | 18 | 19 20 | 21 | 22 | 23 24 | 1 25 | 26 27 | 28 2 | 29 3 | 03 |
| 1 | Works Area | A | DIGJV Site Office | Pesticide spraying | N.A. | | N | | R | | | | | | | | | | | | | | | | | | | | |
| 2 | Works Area | A | Subcontractor warehouse | Material preparation for cable containment / Cable laying | N.A. | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Works Area | A | DIGJV Site Office | Assemble of control cabinet | N.A. | N | N | Ν | N | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Road T3 | G | Road T3 | Routine Checkings | Van | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Road T3 | G | Road T3 / Road Gantry | [3]Installation of Field equipment (Gantry refer: ADS1- | Special design lorry | | | | | | | | | | | | | | | | | | | | | | +-+ | | - |
| 0 | rtodd 10 | 0 | riodd ro'r riodd Cantry | T3,FADS1-T3 & DS7-SHT) | opecial design long | R | RR | R | RR | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | - | | | _ | _ | ++ | | + |
| 6 | SHT | H1A, H1B, H1C | SHT (SB,NB, NPB, SPB) | Routine Checkings | Van | | | | | _ | | | | | | | | | | | | | | | | | | - | + |
| 7 | SHT | H1B & H1C | SHT(N/B, then S/B) | TCSS Traffic field equipment installation | Scissor lift | | | | DD | | | _ | | | | | | | _ | | | | | | | | + | | — |
| 8 | SHT | H1A, H1B, H1C | SHT (S/B & N/B) | Cable laying | Special design lorry | ╉╌╋ | N | N | | | | | | | | | | | _ | | | | | | | | + | _ | + |
| o 9 | SHT | H1A, H1B, H1C | SHT (5/B & N/B) SHT NPB, G/F - 1/F | [1] & [3]Installation of cable containment | Metal scaffolding | | | IN | | _ | | - | | | | | | | | | _ | - | | | | _ | ++ | | + |
| 9 10 | SHT | H1A H1A | SHT NPB, G/F - 1/F SHT SPB, G/F - 1/F | [1] & [3]Installation of cable containment | Metal scaffolding | | | | D | _ | | | _ | | | | - | | | | | - | | | - | | ++ | | — |
| 11 | SHT | | | Wiring of control cabinet | · · · · · · · · · · · · · · · · · · · | | | | Л | _ | | | _ | | | | | | | | | - | | | - | | ++ | | — |
| | SHT | H1C H1A | SHT - CP, LV switch room | | Van Van | | | | | _ | | | _ | | | | | | | | | | | | | | ++ | \rightarrow | + |
| 12 | | | SHT - SPB & NPB | Antenna mounting bracket | | | RR | B | | _ | | | | | | _ | - | | _ | | | | | | | | ++ | \rightarrow | + |
| 13 | SHT | H1A | SHT - SPB & NPB (L/P & U/P) | Dismantle of cable conduit | Van | | RR | R | RR | | | | | | | | | | _ | | | _ | | _ | | | | | + |
| 14 | SHT SHT | H1B & H1C | SHT - N/B & S/B | Cable termination | Scissor lift | ╉╋ | | NI | | _ | ╉┼┼ | + | + | | | | | | | | | | | | | | - | 4 | 4 |
| 15 | 241 | H1A | SHT - NPB (G/F - U/P) | FRP joint site inpsection | Van | ╉╋ | | IN | | | ╉┼┼ | + | + | | - | _ | + | | _ | | _ | + | \vdash | | | | ╋╋╋ | + | + |
| 10 | 0.17 | 110 | CUT. Onen read Cartier | Deutine Checkings | 1/ | | | | | | | | | | | | | | | | _ | | | | | | ┢╾╾┢ | <u> </u> | |
| 16 | SHT | H2 | SHT - Open road Section | Routine Checkings | Van | | | | | | | | | | | | | | | | | | | | | | \blacksquare | | 4 |
| 17 | SHT | H2 | SHT Open road section | Cable laying | special design lorry | | | | _ | | | | | | | | | | | | | | | | | | 4 | | 4 |
| 18 | SHT | H2 | SHT Open road section | [3]Remedial work of cable containment | special design lorry | | | | _ | | | | | | | | | | | | | | | | | | $ \rightarrow $ | | _ |
| 19 | SHT | H2 | SHT Open road section | Fibre cable splicing and termination | Van | R | | | | | | | | | | | | | | | | | | | | | \downarrow | | _ |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | SHT | H3 | SHT - RCFE | Routine Checkings | Van | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | SHT | H3 | SHT - RCFE (S/B first, then N/B) | & [3]Installation of cable containment | Special design lorry | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | SHT | H3 | SHT - RCFE | Cable laying | Special design lorry | | R R | R | R R | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | ENT | 11, 12 & 13 | ENT Tunnel (SB, NB, NPB, SPB, ADB, VB, | Routine checkings | Van | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Toll Plaza & Butterfly Valley) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | ENT | 12 | ENT Tunnel (S/B & N/B) | [3] Cable laying | Special design lorry | | R | | R | | | | | | | | | | | | | | | | | | | | |
| 25 | ENT | 12 | ENT Tunnel (S/B & N/B) | [3]TCSS Traffic field equipment | Scissor lift | | RR | R | R R | | | | | | | | | | | | | | | | | | | | |
| 26 | ENT | 12 | ENT - CP, LV switch room | [2][3] Cable containment | Van | | R R | R | R R | | | | | | | | | | | | | | | | | | | | |
| 27 | ENT | I1 & I3 | ENT - NPB / SPB (1/F & R/F) | Cable Containment | Metal scaffolding | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | ENT | 11 & 13 | ENT - NPB/SPB (G/F, 2/F & R/F) | Outdoor's cable containment | Metal scaffolding | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | ENT | 11 & 13 | ENT - SPB/SPB | Antenna mounting bracket | Van | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | ENT | I1 & I3 | ENT -SPB/NPB (L/P & U/P) | Dismantle of cable conduit | Van | | R R | R | R R | | | | | | | | | | | | | | | | | | | | Τ |
| 31 | ENT | 13 | ENT - ADB (Control Rm, Computer Rm, | Cable containment | Van | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Telecom Rm. & Dark Rm, 2/F and R/F) | | | R | | IN | N N | | | | | | | | | | | | | | | | | | | | |
| 32 | ENT | 13 | ENT - Workshop Block | Cable Containment | Van | | RR | | | | | | | | | | | | | | | | | | | | | | |
| 33 | ENT | 12 | ENT - Vent. Building (ELV Equip. Rm) | Cable Containment | Van | | R | | | | | | | | | | | | | | | | | | | | | | |
| 34 | ENT | 12 | ENT - S/B & N/B | Cable Containment | Scissor lift | | N N | Ν | | | | | | | | | | | | | | | | | | | | | |
| 35 | ENT | 12 | ENT - S/B & N/B | Cable testing | Scissor lift | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | ENT | 11 | ENT -Butterfly Valley (Gantry GT104 & ADS | | Special design lorry | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1) | | 1 0 9 | N | N | | | | | | | | | | | | | | | | | | | | | | |
| 37 | ENT | 13 | ENT - Toll plaza, Subway | [3] Cable laying | Special design lorry | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | ENT | 13 | ENT - ADB, G/F - 2/F | [3] Cable wiring | Metal scaffolding | | N N | Ν | NN | | | | | | | | | | | | | | | | | | | | |
| | | | , - | | 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | LCKV | J1 | LCKV | Routine checkings | Van | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2011 | • | Eont | | Van | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | NWT | B & C | NWT (E/B, W/B & WEB) | Routine checkings | Van | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | NWT | B | NWT - E/B | [3]Cable containment installation | Scissor lift | | RR | R | | | | | | | | | | | | | | | | | | | | - | + |
| 42 | NWT | B | NWT - W/B | [3]Cable containment installation | Scissor lift | | RR | | | | | | | | | | | | | | -+ | + | | | | | ++ | + | + |
| 42 | NWT | B | NWT. E/B & W/B | [3] cable laving | Special design lorry | | RR | | R | | | | | | | _ | + | \vdash | | | | + | \vdash | | | | ++ | + | + |
| 43 | NWT | B | NWT, E/B & W/B | [3]TCSS Traffic field equipment installation | Scissor lift | ╡╴┣╴ | | | RR | | | | | | | | | | | | | | | | | | | | + |
| 44 | NWT | B | NWT, E/B & W/B NWT - CP, TCSS Room | Cable containment installation | Van | ╡╴┣╴ | RR | | R | | | | | | | | | | | | | | | | | | - | - | - |
| 45 | NWT | С | NWT, WEB (control room) | Video wall & console installation | Van | | | | RR | | | | | | | | | | | | | + | \vdash | | | | ++ | + | + |
| 40 | NWT | В | NWT, E/B & W/B | [2]Cable termination & testing | Scissor lift | ╡╴┣╴ | | | | | ╉┼┼ | + | + | \vdash | | | | | | | | | | | | | | | + |
| 47 | NWT | B | NWT, E/B & W/B | [2] & [8]Cable bracket for leaky coaxial cable | Scissor lift | ╋ | | | | | | | | | | | | | | | | | | | | | — | 4 | 4 |
| 40 | INVVI | D | INVVI, E/D & VV/D | | SUSSUI IIIL | ┨──┨── | | | | | | | | | | | | | | | _ | + | \vdash | | | _ | ++ | + | + |
| | | | | | 1 | | 1 | 1 | | | 1 | 1 | 1 | | | | | | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 1 | | |

Legend :

1 of 1

= Work Done = Public Holiday R - Re-scheduled N - New activity A - Awaiting of site access

Distribution: Arup-Johnny Mac, Hara,Alex C, Franco L, Hamlyn K, Joseph C, KT Chan, Patrick L, Philip C, PF Li, Sharon H, Tony C, Wilson W, Winnie M, Donald L, Johnny L, Kenny C

= Planned activity

Remark: The schedule only shows the anticipated works planned and shall be subject to changes which will be reported by daily labour forecast on ad-hoc bases.

[2] Works Subject to Traffic Tube arrangement [3] Works subject to condition of site access & civil provision.

[4] Works subject to SCURVY to relocate their containers in N/B

[5] Works subject to coordination with other services

[6] Works depend on ENT's contractor to complete their raised floor installation

[7] Works depend on Civil Contractor to rectify their provision [8] Works subject to the site access of the major equipment.



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Record Date: 02-03-2007

[1] Works depends on spatial co-ordination among related Main Contractor and TCSS.

APPENDIX C MONITORING REQUIREMENTS

| Type of Monitoring | Parameter | Frequency | Location | Measurement Conditions |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Air Quality | 1-hour TSP | 3 times every 6 days | AM1 ⁽³⁾ (Yew Chung Internation School / PLK Choi Kai Yau School) | AM1 – Rooftop ⁽³⁾ AM3 – On ground AM4 – Ground floor close to |
| | 24-hour TSP | Once every 6 days | AM3 ⁽⁴⁾ (Garden Villa) AM4 (Government Quarters) | the refuse collection station of Government Quarters |
| | L _{eq} , L ₉₀ & L ₁₀ at 30 minute intervals during (0700 to 1900 on normal weekdays) | Once per week | | NM1 – Rooftop (Façade measurement)⁽³⁾ |
| Noise | L_{eq} , L_{90} & L_{10} at 5 minute intervals during (1900 to 2300) ⁽¹⁾ | Once per week (include 3 consecutive 5-min measurements) | NM1 ⁽³⁾ (Yew Chung Internation School / PLK Choi Kai Yau School) | NM5 – Ground Floor ⁽²⁾ - (Façade measurement) NM6 – Rooftop of Refuse |
| | L_{eq} , L_{90} & L_{10} at 5 minute intervals during (2300 to 0700 of next day) ⁽¹⁾ | Once per week (include 3 consecutive 5-min measurements) | NM5 (Villa Carlton) NM6 (Government Quarters) NM7 (Garden Villa) | NM0 – Rootop of Refuse Collection Station (Free field measurement) NM7 – Rooftop (Façade |
| | L_{eq} , L_{90} & L_{10} at 5 minute intervals during (0700 to 1900 on holidays) ⁽¹⁾ | Once per week (include 3 consecutive 5-min measurements) | | measurement) |

Appendix C - Environmental Impact Monitoring Requirements for Eagle's Nest Tunnel and Associated Works

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

⁽²⁾ – The measurement was taken at 2.3 m above ground floor of Villa Carlton, where has a line of sight of the construction site in the opposite.

⁽³⁾ – Yew Chung International School / PLK Choi Kai Yau School (Station AM1 and NM1) had ceased operated and been demolished since February 2007. The monitoring at AM1 and NM1 has been suspended since February 2007, as verified by IEC on 7th February 2007.

⁽⁴⁾ – Station AM3 was relocated from Garden Villa to the nearby slope no. 07SW-D/FR4 and the monitoring was resumed on 14 February 2005.

APPENDIX D ENVIRONMENTAL QUALITY PERFORMANCE (ACTION/LIMIT) LEVELS

Appendix D - Action and Limit Levels (ENT)

1-Hour TSP

| Location | Action Level, μg/m ³ | Limit Level, µg/m ³ |
|----------|---------------------------------|--------------------------------|
| AM1 | 296 | |
| AM3 | 350 | 500 |
| AM4 | 294 | |

24-Hour TSP

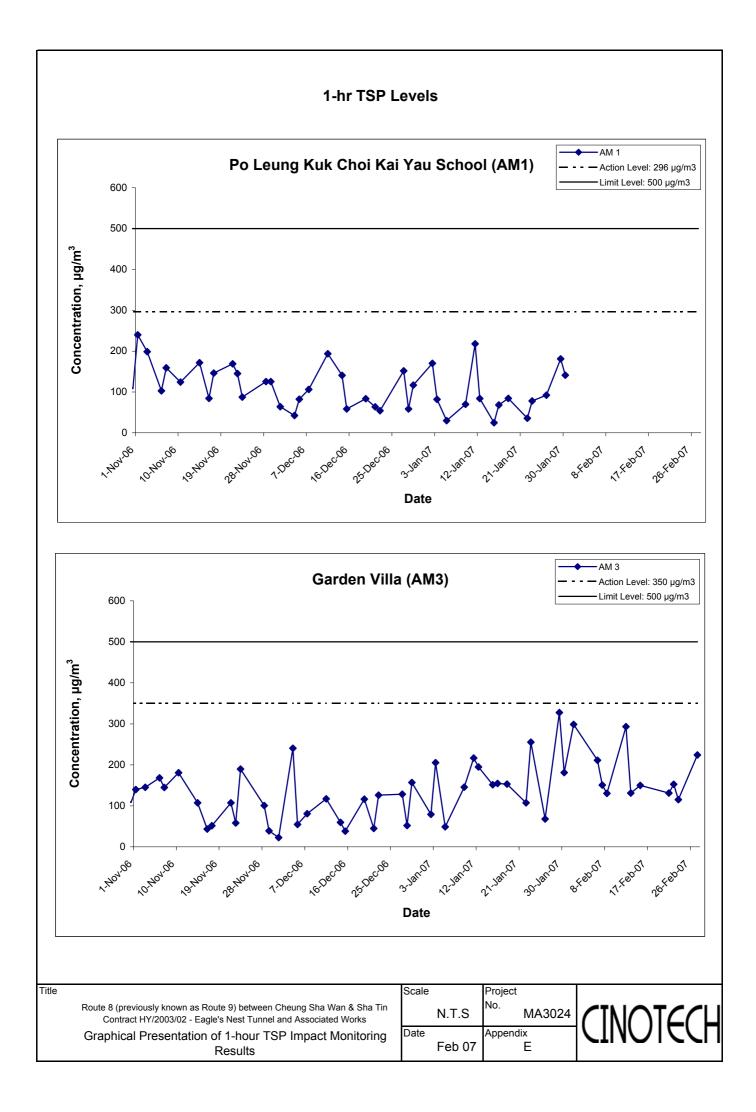
| Location | Action Level, μg/m ³ | Limit Level, µg/m ³ |
|----------|---------------------------------|--------------------------------|
| AM1 | 168 | |
| AM3 | 200 | 260 |
| AM4 | 170 | |

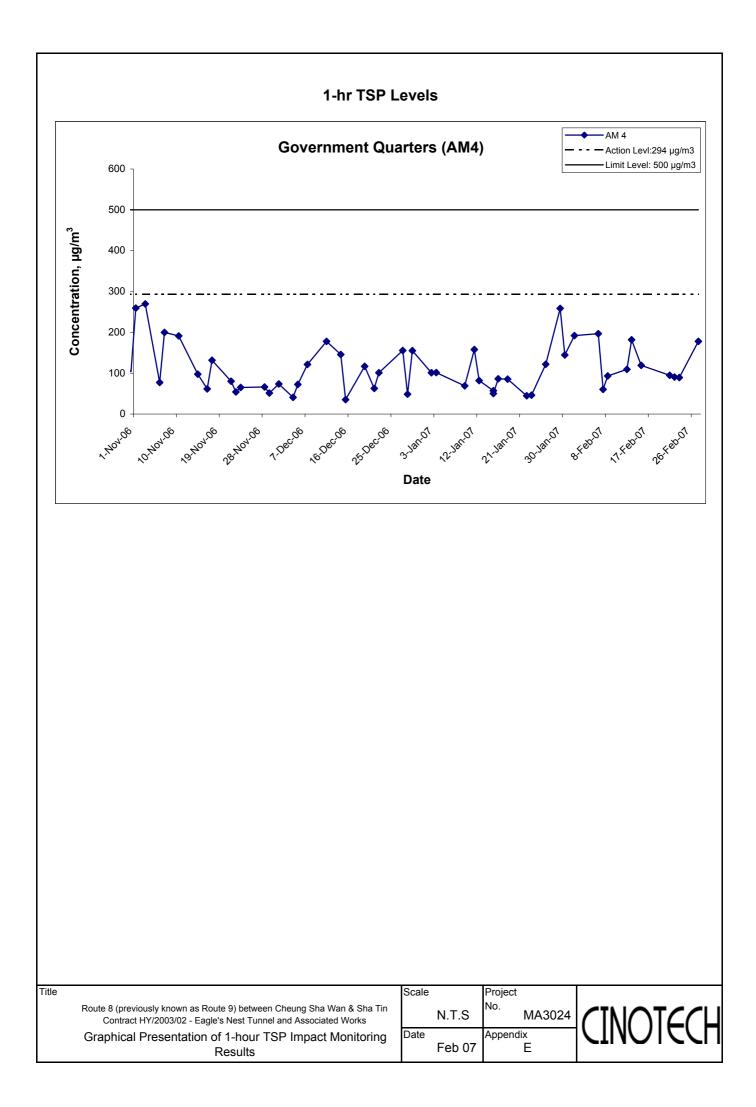
Construction Noise

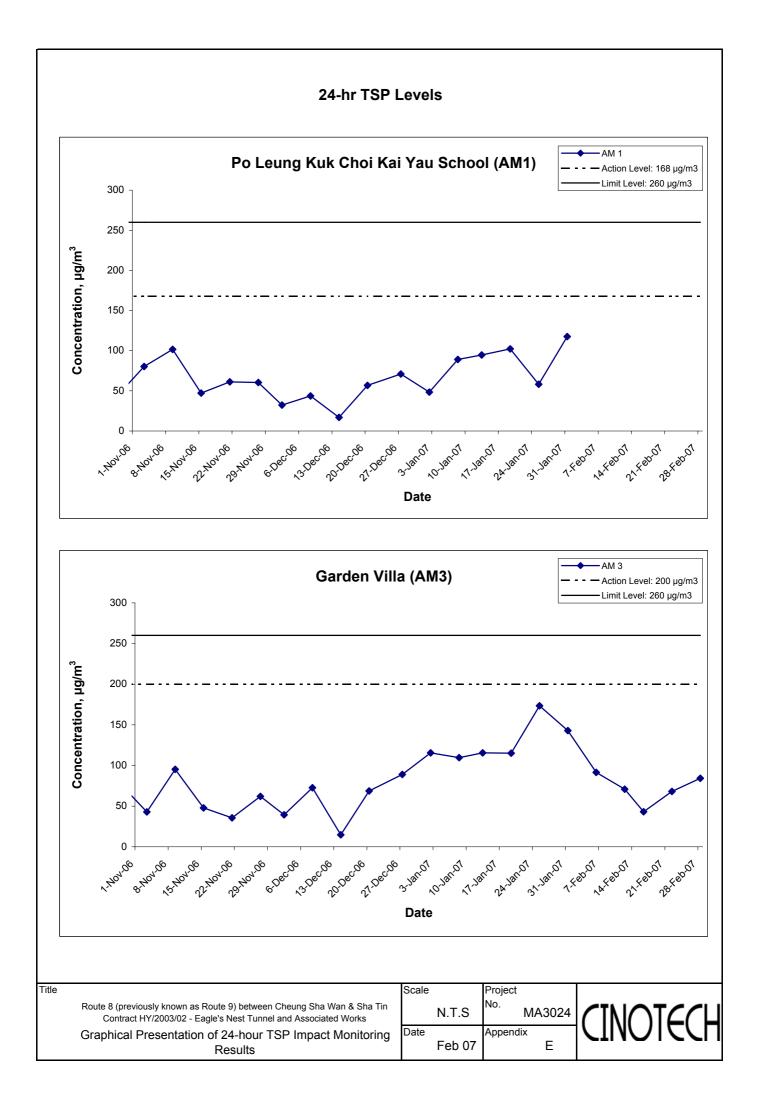
| Period | Action Level | Limit Level, dB(A) | | | | | | | | | |
|-----------------------------------------------------------------------|-------------------------------------------|--------------------|-----|-----|-----|--|--|--|--|--|--|
| I CI IUU | for all stations | NM1 | NM5 | NM6 | NM7 | | | | | | |
| 0700-1900 hrs on normal weekdays | | 70/65* | 75 | 75 | 75 | | | | | | |
| 0700-2300 hrs on holidays & 1900- 2300 hrs on all other days | When one documented complaint is received | - | 70 | 65 | 60 | | | | | | |
| 2300-0700 hrs of next day | | - | 55 | 50 | 45 | | | | | | |

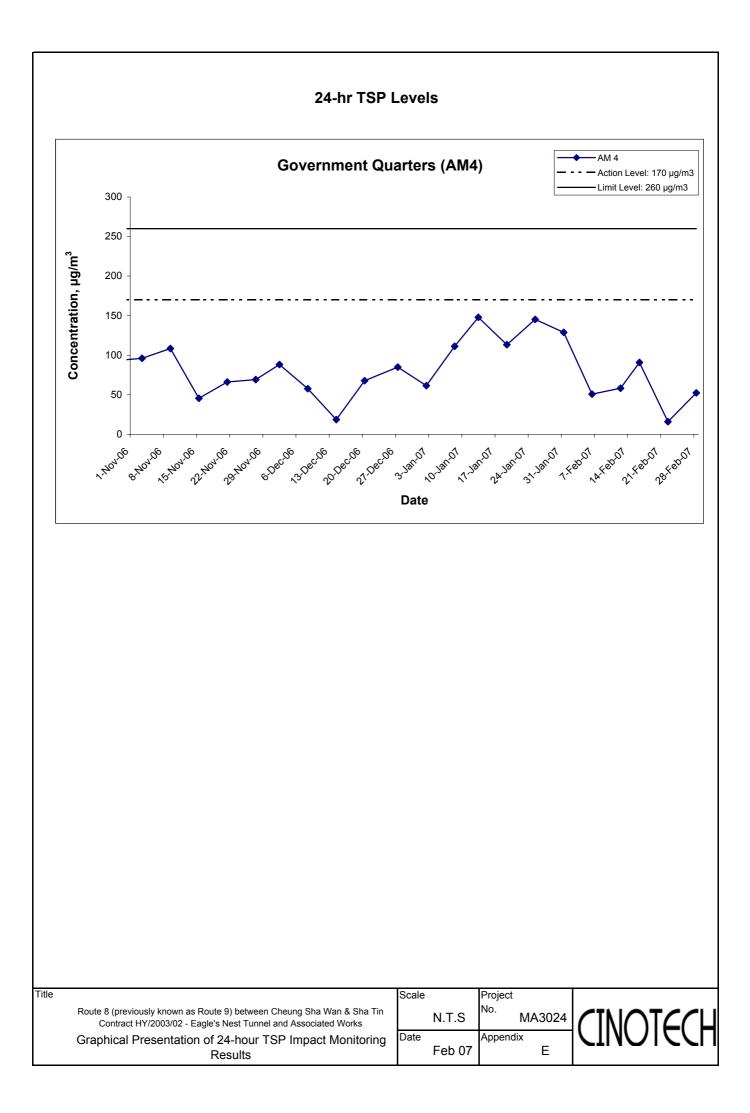
(*) Since NM1 is an educational institution, the noise Limit Level (0700-1900 hrs on normal days) is taken as 70 dB(A). The Limit Level will be reduce to 65 dB(A) during school examination periods.

APPENDIX E GRAPHICAL PRESENTATION OF AIR QUALITY MONITORING RESULTS

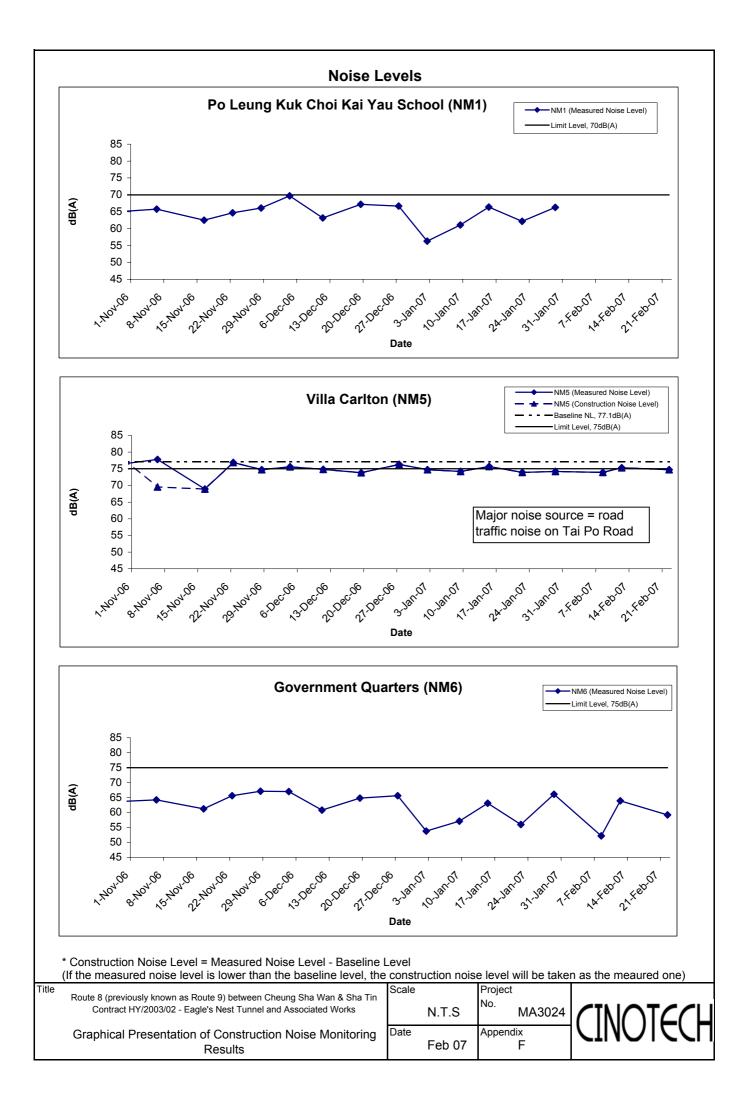


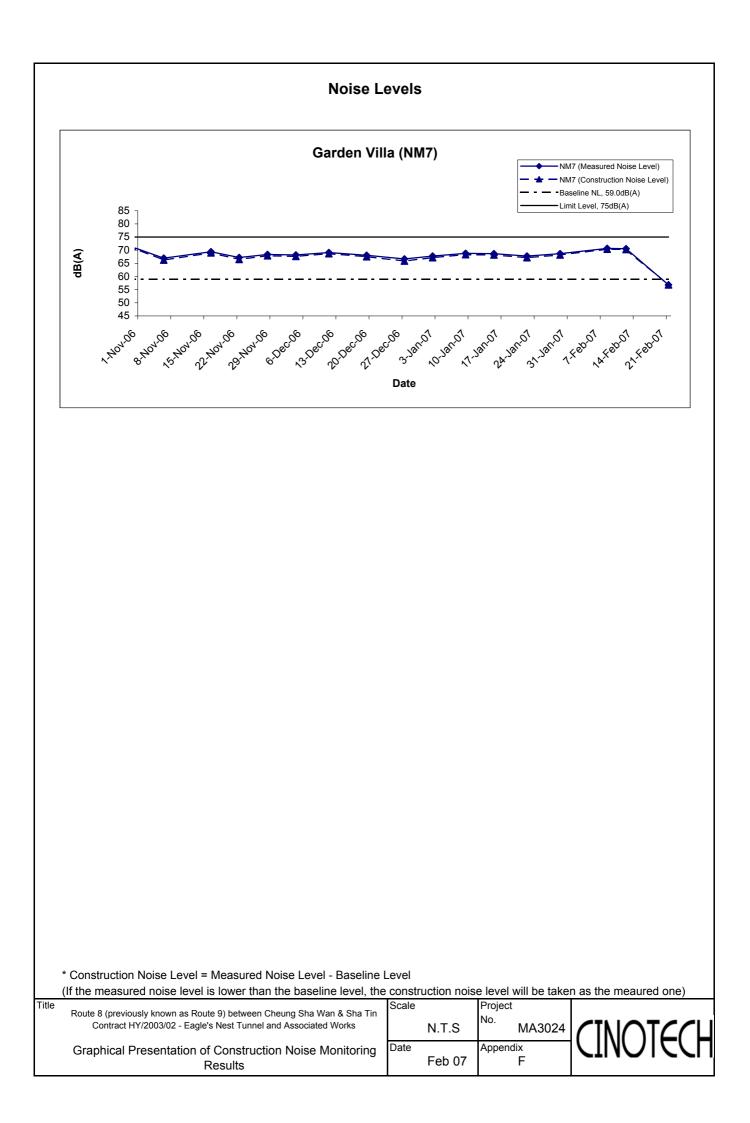


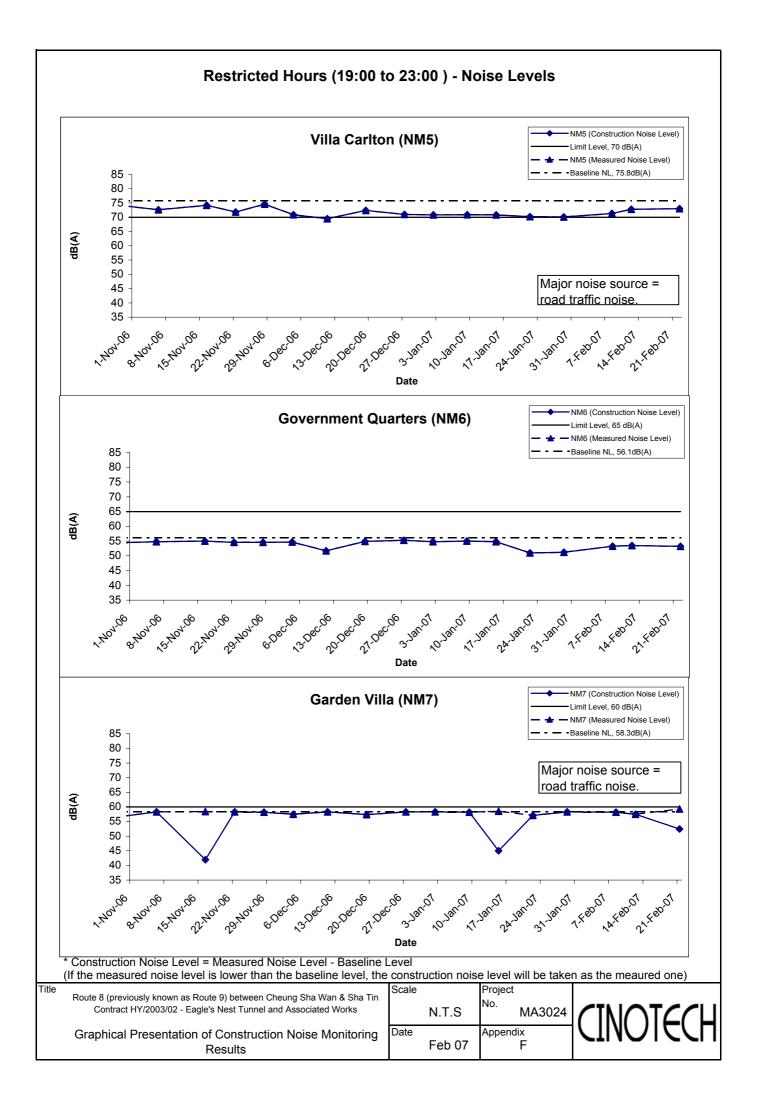


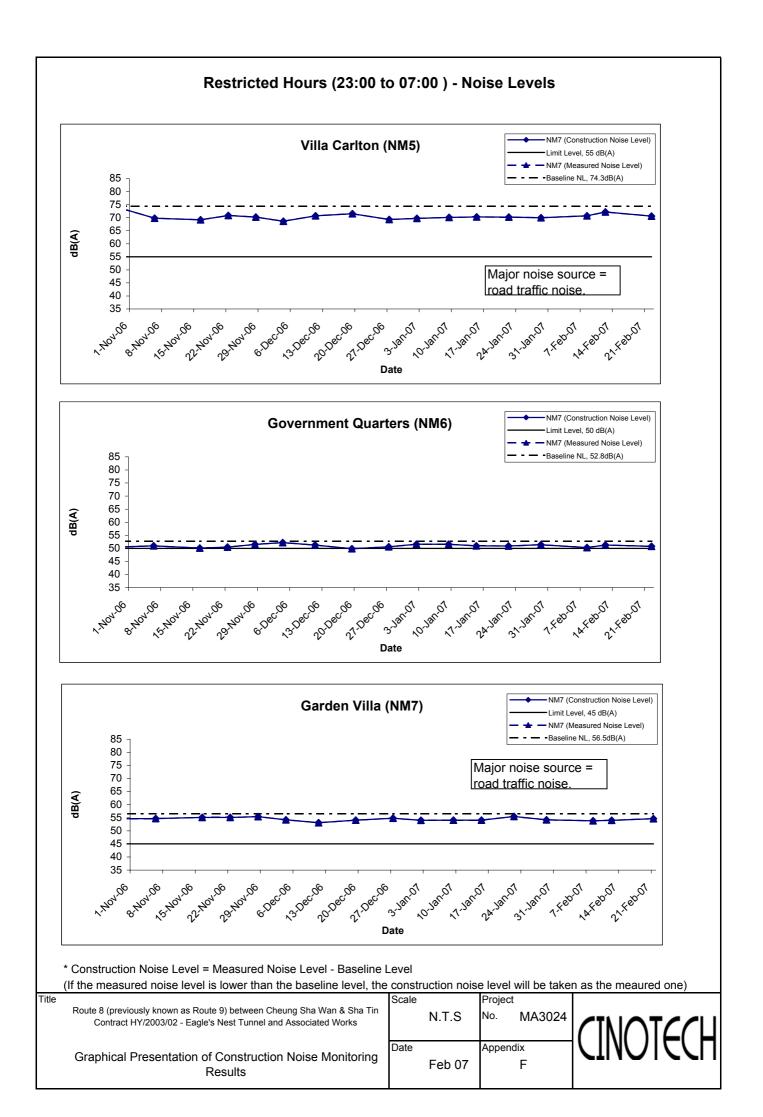


APPENDIX F GRAPHICAL PRESENTATION OF NOISE MONITORING RESULTS









APPENDIX G IMPLEMENTATION SCEDULE OF ENVIRONMENTAL MITIGATION MEASURES (EMIS)

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

Appendix G - Summary of Environmental Mitigation Implementation Schedule

| Types of Impacts | Mitigation Measures | Status |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| | Construct temporary and movable noise barriers | ^ |
| Water Quality | Construction Runoff and Drainage | |
| | • Use of sediment traps and the adequate maintenance of drainage systems to prevent flooding and overflow. | ^ |
| | • Boundaries of critical areas of earthworks should be marked and surrounded by dykes or embankments for flood protection. Temporary ditches should be provided to facilities runoff discharge into the appropriate watercourses, via a silt retention pond. Permanent drainage channels should incorporate sediment basins or traps and baffles to enhance deposition rates. | ^ |
| | • All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge should be adequately designed for the controlled release of storm flows. All sediment traps should be regularly cleaned and maintained. The temporarily diverted drainage should be reinstated to its original condition when the construction works has finished or the temporary diversion is no longer required | ۸ |
| | • 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. | ۸ |
| | • Oil interceptors should be provided in the drainage system and regularly emptied to prevent the release of oils and grease into the storm water drainage system after accidental spillage. The interceptor should have a bypass to prevent flushing during periods of heavy rain. | ^ |
| | • Catchpits and perimeter channels shall be constructed in advance of site formation works and earthworks. | ^ |
| | • Silt removal facilities, channels and manholes shall be suitably maintained with the deposited silt and grit being removed at least once a week, and at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times. | ^ |
| | • Earthworks final surfaces shall be well compacted and the subsequent permanent work or surface protection shall be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate intercepting channels shall be provided along the site boundary or at the locations agreed with the ET Leader. Rainwater pumped out from trenches or foundation excavations shall be discharged into silt removal facilities before discharge into storm drains. | ٨ |
| | All generators, fuel and oil storage shall be within bunded areas. Drainage from the areas shall be connected to storm drains via a petrol interceptor. | ^ |
| | Tunnelling Work | |
| | • Temporary open storage of excavated materials should be covered with tarpaulin or similar fabric during rainstorms. Any washout of construction or excavated materials form the drill and blast tunnelling work should be diverted to the drainage system via appropriate sediment traps. | ^ |
| | • 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. | ^ |

| Types of Impacts | Mitigation Measures | Status | | | | | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|--|--|--|--|
| | • Spend grouts used in diaphragm wall construction should be collected in a separate slurry collection system, reconditioned and reused wherever practicable. The disposal of used grouting materials will only be permitted if it is treated to the TM standards before discharge to the storm drains or disposal to landfill. | | | | | | |
| | 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 | | | | | | |

| Types of Impacts | Mitigation Measures | Status | | | | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|--|--|--|
| | • 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. | N/A | | | | |
| | Construction and Demolition (C&D) Waste | | | | | |
| | • Careful design, planning and good site management shall be adopted to minimise over-ordering and generation of waste materials such as concrete grouts. | ^ | | | | |
| | • The handling and disposal of bentonite slurries shall be undertaken in accordance with Practice Note for Professional Persons – Construction Site Drainage (ProPECC PN 1/94) on construction site drainage. | N/A | | | | |
| | • Construction and demolition (C&D) material shall be segregated to inert and non-inert parts. The inert portion shall re-used at areas of reclamation or land formation, or to public filling area shall such allocation is deemed necessary. The non-inert portion shall be disposed of to landfill. | ^ | | | | |
| | Chemical Waste | | | | | |
| | • Chemical waste that is produce during construction shall be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes. | ^ | | | | |
| | Containers used for the storage of chemical wastes should: Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; Have a capacity of less than 450 litres unless the specifications have been approved by the EPD; 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. | ^ | | | | |

| Types of Impacts | Mitigation Measures | Status |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| | • Reusable rather than disposable dishware shall be used if feasible. | N/A |
| | • A sediment barrier shall be erected to minimize stream sedimentation at downstream of the project boundary of the Toll Plaza. | N/A |
| | • Conduct a tree survey before commencement of the construction work. | ^ |
| Ecology | • All measures recommended in the approved landscape proposals under Condition 2.4 in EP above shall be fully implemented in accordance with the details and time schedule set out in the submission. | N/A |
| | • Loss of the adjacent woodland due to temporary land take shall be returned to the original status immediately. | N/A |
| | • Wild and uncontrolled fire shall be strictly prohibited | ^ |
| | • Fences shall be erected along the boundary of the construction sites at the Toll Plaza before commencement of works, to prevent tipping, vehicle movements, and encroachment of personnel onto adjacent wooded areas. | N/A |
| Landscape 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. | N/A |
| | • 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 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. | N/A |
| | Measurement of vibration would also be carried out on a need basis during the piling work | N/A |

Remarks:

Compliance of mitigation measure; Not Applicable; \wedge N/A

Non-compliance of mitigation measure; Non-compliance but rectified by the contractor

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APPENDIX H SUMMARY OF ENVIRONMENTAL LICENCES AND PERMITS

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

| Permit No. | Valid | Period | Details | Status |
|-----------------------------|-------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| | From | То | Detunis | Status |
| Environmental Perr | | | | |
| EP-103/2001/C | 22/07/05 | N/A | <u>Construction and operation of</u> (a) All civil works (including highways, traffic, geotechnical, drainage, structural, architectural and landscaping works) for the Lai Chi Kok Viaduct, the interchange with Ching Cheung Road, the main road within Butterfly Valley and the Eagle's Nest Tunnel; (b) All E&M works (including ventilation, Traffic Control & Surveillance System (TCSS), toll collection system and lighting) for the whole Route 9 between Cheung Sha Wan and Sha Tin; I 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 Cher | nical Waste | Producer | | |
| WPN 5213-761-L2595-01 | 26/01/04 | N/A | Regulation for disposal of spent oil and waste batteries arising from construction activities in all project areas. | Valid |
| Water Discharge Li | cence | | | |
| EP482/261/0327/I | 03/05/04 | 31/05/09 | Discharge of industrial trade effluent and effluent arising from construction activities at the construction site at Ventilation Adit on Tai Po Road (behind Shell Filling Station) opposite Pinehill Development Highways. | Valid |
| EP482/261/0326/I | 01/04/04 | 30/04/09 | Discharge of industrial trade effluent and effluent arising from construction activities at the construction site at Mui Kong Tsuen, Butterfly Valley, Lai Chi Kok, Kowloon. | Valid |
| No. 3156 | 23/02/04 | 22/02/09 | Discharge of industrial trade effluent and all other wastewater arising from the works areas at North Portal of Route 9 – Eagle's Nest Tunnel and Associated Works (Contract HY/2003/02). | Valid |
| Construction Noise | Permit (CN | P) | | |
| GW-RW0392-06 | 6/8/06 | 5/2/07 | <i>Location:</i> Tai Po Road Shell Petrol Filling Station and opposite to Villa Carlton <i>Time Period:</i> General holidays including Sundays between 0700-2300 and any day not being a general holiday between 1900-2300. | Expired |
| GW-RW0422-06 | 4/8/06 | 3/2/07 | <i>Location:</i> Butterfly Valley <i>Time Period:</i> General holidays including Sundays between 0700-2300 and any day not being a general holiday between 1900-2300. | Expired |
| GW-RN0473-06 | 25/9/06 | 24/3/07 | <i>Location:</i> Tunnel North Portal near Tai Po Road and Keng Hau Road <i>Time period:</i> General holiday including Sundays between 0700 and 2300 and any day not being a general holiday including Sundays between 1900 and 2300. | Valid |

| Permit No. | Valid | Period | Details | Status |
|--------------|----------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Permit No. | From | То | Details | Status |
| GW-RN0486-06 | 25/9/06 | 24/3/07 | <i>Location:</i> ENT-North Portal <i>Time period:</i> Any day between 2300 and 0700 on next day. | Valid |
| GW-RN0487-06 | 10/10/06 | 9/4/07 | <i>Location:</i> ENT-North Portal <i>Time Period:</i> General holidays including Sundays between 0700-2300 and any day not being a general holiday between 1900-2300. | Valid |
| GW-RN0488-06 | 10/10/06 | 9/4/07 | <i>Location:</i> ENT-South Portal <i>Time Period:</i> Any day between 2300 and 0700 on next day. | Valid |
| GW-RN0489-06 | 10/10/06 | 9/4/07 | <i>Location:</i> ENT-South Portal <i>Time Period:</i> General holidays including Sundays between 0700-2300 and any day not being a general holiday between 1900-2300. | Valid |
| GW-RN0492-06 | 11/11/06 | 10/5/07 | <i>Location:</i> Administration Building <i>Time Period:</i> General holidays including Sundays between 0700-2300 and any day not being a general holiday between 1900-2300. | Valid |
| GW-RW0536-06 | 20/9/06 | 19/3/07 | <i>Location:</i> Butterfly Valley <i>Time Period:</i> General holidays including Sundays between 0700-2300 and any day not being a general holiday between 1900-2300. | Valid |
| GW-RN0564-06 | 7/12/06 | 6/6/07 | <i>Location:</i> SHT – South Portal Tunnel near Garden Villa <i>Time Period:</i> Any day between 2300-0700 on next day. | Valid |
| GW-RN0575-06 | 7/12/06 | 6/6/07 | <i>Location:</i> SHT – South Portal Tunnel near Tai Po Road and Keng Hau Road <i>Time Period:</i> Any day between 2300-0700 on next day. | Valid |
| GW-RN0600-06 | 18/12/06 | 17/6/07 | <i>Location:</i> SHT - South Portal near Garden Villa <i>Time Period:</i> General holidays including Sundays between 0000-0700 and any day not being a general holiday between 1900-2400. | Valid |
| GW-RW0016-07 | 4/2/07 | 3/8/07 | <i>Location:</i> Butterfly Valley <i>Time Period:</i> 0000-2400 (general holiday including Sundays) and 0000-0700 & 1900-2400 (any day not being a general holiday). | Valid |
| GW-RW0017-07 | 6/2/07 | 5/8/07 | <i>Location:</i> Construction site adjacent to Tai Po Road Shell Petrol Filling Station and opposite to Villa Carlton <i>Time Period:</i> 0000-2400 (general holiday including Sundays) and 0000-0700 & 1900-2400 (any day not being a general holiday). | Valid |

APPENDIX I COMPLAINT LOG

Appendix I - Complaint Log

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 40426 | Butterfly Valley | 26 April 2004 | A public noise complaint was recently received by EPD. The complaint was related to the noise generated from the Route 8 – ENT site near Butterfly Valley at the night time on 21 April 2004. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 23 April 2004. | <u>Noise at night time</u> The information provided by the RSS indicated that no works were undertaken by the Contractor during the concerned period. The concerned noise might probably be due to a burglary case occurred at same night. <u>Noise during day-time</u> It is believed that the day-time noise complaint was due to the site formation works of the Project. Considering the powered mechanical equipment used at the Butterfly Valley and the echo effect of the valley, ET believe that the day-time construction noise from the site at Butterfly Valley might cause nuisance to the nearby resident to some extent, though there was no noise level exceedance at the Government Quarters during our routine monitoring in last three months. The Contractor agreed to implement mitigation measures, including good site practices, selecting quieter plant and working methods and reduction in numbers of noisy plant operating currently, in order to mitigate noise impacts at the NSRs. | Closed |
| 40914 | Garden Villa | 13-Sep-04 (by EPD) 14-Sep-04 (by ET Leader) | Environmental Protection Department (EPD) received a public noise complaint on 13 September 2004 about construction noise generated from the Route 8 – Eagle's Nest Tunnel and Associated Works (R8-ENT) Project, nearby by Garden Villa at Tai Po Road, Sha Tin. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 14 September 2004. The complaint was about general construction noise generated from a construction site nearby Garden Villa at Tai Po Road, Sha Tin. As informed by EPD, | <u>Environmental Permits</u> A Construction Noise Permit (No. GW-RN0405-04) was obtained by the Contractor for the use of powered mechanical equipment (PME) in the concerned works area and use of TAR no.1 during restricted hours. <u>Blasting Works</u> According to the information provided by the Resident Site Staff (RSS), for carrying out blasting works, a blasting permit should be issued by the Mines Division of Civil Engineering and Development Department (CEDD), but not under the jurisdiction of EPD. The CNP issued by EPD only specified the use of PME but not the blasting works during restricted hours. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| | | | the complainant was particularly concerned of two issues: The complainant was informed by the Contractor (Leighton – Kumagai Joint Venture) that blasting works would be conducted during restricted hours. He worried about the noise nuisance would be induced by the blasting works. Noise nuisance from some site vehicles traveling on the Temporary Access Road (TAR no.1) near Garden Villa was noted by the complainant during restricted hours. | As advised by the RSS, the Contractor did intend to apply for a permit to the Mines Division of CEDD for blasting works during restricted hours. However, up to the time of preparation of this report, the Contractor still had not obtained the approval from the Mines Division and therefore, no blasting works were performed by the Contractor during restricted hours. <u>Use of TAR no.1</u> According to Condition 3d of the above-mentioned CNP, there was restriction on the use of site vehicles traveling on TAR no.1. The usage of site vehicles on TAR no.1 in a 2-week period before the date of complaint, i.e. 30 th August to 12 th September 2004 showed that the only vehicle type using TAR no.1 for the concerned period was concrete truck and the number of vehicle pass was limited to 4 times per hour, which was in compliance with the above CNP's conditions. Regular noise monitoring was undertaken by ET at Garden Villa on 30 th August and 6 th September 2004 during restricted hours (1900 – 2300 hours). The monitoring results were 58.7 dB(A) and 58.6 dB(A), respectively, which were below the noise limit level of 60 dB(A). However, it should be noted that site vehicles were not used by the Contractor on TAR no.1 during restricted hours on these two monitoring day. Based on the information obtained, the validity for the noise complaint in associated with night-time blasting works could not be concluded under ET's investigation, since no blasting works had been performed by the Contractor during restricted hours at the time of the report preparation. Also, it should be highlighted that for carrying out blasting works, permission should be obtained by Mines Division of CEDD, but not under the control of EPD. For the use of TAR no.1, the RSS's records showed that the number of vehicle pass in the period between 30 th August and 12 th September 2004 was complied with the CNP's conditions. It should be noted that only a maximum of 3 concrete trucks | |

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| | | | Environmental Protection Department | passing the site entrance was recorded. Therefore, it was considered that the nuisance noted by the complainant was not due to the site vehicles adopted by the Contractor (LKJV). Nevertheless, the Contractor was reminded to ensure the compliance of the CNP conditions and adopt good site practice to minimize the construction noise. According to the information provided by the RSS, no | |
| 41021 | Garden Villa | 09-Oct-04 (by EPD) 21-Oct-04 (by ET Leader) | (EPD) received a public noise complaint on 9 October 2004 about construction noise generated from the Route 8 – Eagle's Nest Tunnel and Associated Works (R8-ENT) Project, nearby by Garden Villa at Tai Po Road, Sha Tin. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 21 October 2004. The complaint was about nighttime construction noise generated from a construction site nearby Garden Villa at Tai Po Road, Sha Tin. As informed by EPD, the complainant was particularly concerned of two issues: Construction works undertaken by the Contractor (Leighton–Kumagai Joint Venture) were noted after 2300 hour. Some workers were noted leaving the site through Temporary Access Road (TAR) no.1 at around 2 am, causing nuisance to the residents in Garden Villa. | construction activity was undertaken in the nighttime period (2300 – 0700 hours) at the concerned site area. LKJV did admit that some vehicles had been operating at midnight for transporting LKJV's survey workers from the site. Inconsiderate behaviors were noted causing nuisance to Garden Villa residents: Driving the vehicles too fast, which generated excessive engine noise; Noise inside the vehicles (such as staff talking or radios) escaping through the open vehicle windows; and Vehicle beeping horn to request the guards to open the gate. In order to rectify the situation, LKJV had notified the relevant staff with the receipt of the complaint and urged them to take appropriate measures when using TAR1 at night: to drive slowly in order to reduce the engine noise, especially when approaching Garden Villa; to roll up the vehicle windows to contain any noise from talking or radios; and | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 41023 | Government Quarters (Butterfly Valley) | 20-Oct-04 (by MHJV) 23-Oct-04 (by ET Leader) | A public complaint was received by the Engineer's Representative (ER) of Route 8 – Eagle's Nest Tunnel and Associated Works (R8-ENT) Project on 20 th October 2004. The complaint was raised by a resident of the Government Quarters at Caldecott Road, concerning dust generation as a result of the construction activities at Butterfly Valley. The ER subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 23 rd October 2004. | The complaint was considered valid based on: ER's site observations; ET's weekly site audit; and 1-hr TSP exceedance record. Also, the sources of dust generation were identified as 2 portions of the haul roads, one at Slope BV-S2 and one linking between South Portal Tunnel to Mui Kong Tsuen, were found to be dry. Dust impact due to the haulage of excavated materials at the South Portal. Enhanced dust suppression measures had been implemented by the Contractor: added rockfill to the haul road between South Portal Tunnel and the Gully fill area; maintained watering to haul road at Slope BV-S2; requested the fill material supplier to ensure the material was in a damp condition before leaving quarry; provided for material not dampened at the Quarry to be directed to the wheel wash for water spray before entering the site; when cleaning drill holes along slope BV-S4 to ensure adequate water was available for flushing to suppress dust emission; AND provided damper stockpiles of cleared material at BV-S2 before loading. Based on ER's site observations, most of the above mitigation measures have been implementing by the Contractor. Also, an additional water browser was delivered to site on 29th Oct 04. No significant fugitive dust emission has been found. During ET's site inspections on 27th Oct and 3rd Nov 2004, the situation was found improved. No deficiency relating to air quality impact was noted by ET during the two audit sessions. The results of air quality monitoring (1-hr and 24-hr TSP) in the period between 21st Oct and 2nd Nov 2004 were all found to be complied with the Action / Limit Levels. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 41124 | Government Quarters (Butterfly Valley) | 21-Nov-04 (by LKJV) 24-Nov-04 (by ET Leader) | A public complaint was received by the Contractor of Route 8 – Eagle's Nest Tunnel and Associated Works (R8- ENT) Project on 21 st November 2004 (Sunday). The complaint was concerned about excessive noise generation from construction machinery at Butterfly Valley on the same day. The Engineer's Representative (ER) subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 24 th November 2004. | According to the ER, the only construction activity at Butterfly Valley undertaken on 21 st Nov 04 was formation of access road near Slope BV-S2. The activity only involved operations of 1 no. of excavator and 1 no. of dump truck with grab, which complied with the condition stipulated in a valid CNP GW-RW0484-04, which was hold by the Contractor. Routine noise monitoring was conducted on 21 st and 28 th Nov 2004 at NM6. All the measured noise levels (48.5 to 56.4 dB(A)) were well below the noise limit level. In addition, the measurement results were within the baseline noise level. Therefore, the complaint was considered to be invalid. Nevertheless, the Contractor was reminded to ensure the compliance of the conditions stipulated in CNP. The Contractor was also recommended to adopt good site practice in order to minimize the construction noise. | Closed |
| 41201 | Government Quarters (Butterfly Valley) | 01-Dec-04 (by MHJV & ET Leader) | A public complaint was received by the Engineer's Representative (ER) of Route 8 – Eagle's Nest Tunnel and Associated Works (R8-ENT) Project on 1 st December 2004. The complaint was raised by a resident of the Government Quarters at Caldecott Road, concerning dust generation at Butterfly Valley. The Environmental Team (ET) of the Project was informed with the complaint on the same day. The resident complained that a large portion of the excavated slopes was not properly covered, which caused dust nuisance to her. | The complaint was considered valid based on: ER's site observations; ET's weekly site audit Upon receipt of the complaint, a series dust control measures had been implemented by the Contractor, such as covering of the exposed slopes with appropriate sheeting, regular watering to the haul roads and excavated slope faces, etc. During the ET's weekly site audit on 08-Dec-04 together with the representative of HyD, IEC, ER and the Contractor, the above mitigation measures were observed. The idle slopes at BVS2 had been covered by tarpaulin sheeting and erosion mat. The left exposed slope surfaces at BVS2 were under excavation, thus being unable to be covered. According to the ER, the complainant has expressed his satisfaction to the site condition on 07-Dec-04, after the implementation of dust mitigation measures by the | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| | | | | Contractor. However, owing to the prevailing of the dry season, the Contractor was reminded to ensure the dust control measures are effectively implemented. | |
| 50125 | Garden Villa (North Portal) | 21-Jan-05 (by EPD) 25-Jan-05 (by ET Leader) | Environmental Protection Department (EPD) received a public noise complaint on 21 January 2005 about construction noise and dust generated from the Route 8 – Eagle's Nest Tunnel and Associated Works (R8-ENT) Project, nearby by Garden Villa at Tai Po Road, Sha Tin. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 25 January 2005. The complaint was about construction noise and dust generated from a construction site nearby Garden Villa at Tai Po Road, Sha Tin. The complainant was particularly concerned of two issues: Noise from tunnel blasting work carrying out at around 7:30am and 10:00pm; and Dump trucks without covering of canvas when leaving the construction site. | Noise from blasting For carrying out the blasting, the Contractor had obtained the permit from relevant authority. The ET's noise monitoring results did not show any exceedance for the measurement taken when blasting was in place. It should be highlighted that for carrying out blasting works, permission should be obtained by Mines Division of CEDD, but not under the control of EPD. In order to minimize the nuisance from the works, the Contractor was recommended: To inform the residents around the area about the time of blasting in advance; and To re-schedule the blasting time table, if possible, in order to avoid nuisance. Uncovered dump trucks In order to evaluate the situation, two inspections were carried out by the ET at Garden Villa on 27-Jan and 28-Jan-05 to identify the dump trucks leaving the site with uncovered load. On 27-Jan-05, 3 nos. of trucks, which were working for ENT Project, was noted by-passing Garden Villa without proper cover. Enhanced control (penalty system) was implemented by the Contractor after the inspection on 27-Jan. During the inspection on 28-Jan-05, 24 nos. of dump trucks for ENT Project were found leaving the site. No non-compliance was noted for the trucks working for ENT Project. LKJV was reminded to keep closely monitoring on the condition and the effectiveness of the proposed control measures. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 50308 | Garden Villa (North Portal) | 05-Mar-05 (by EPD) 08-Mar-05 (by ET Leader) | EPD received a public complaint on 5 March 2005 about construction noise and dust generated from the construction sites of Route 8 – Eagle's Nest Tunnel and Associated Works (R8-ENT) and Route 8 - Sha Tin Heights Tunnel and Approaches (R8-SHT), nearby by Garden Villa at Tai Po Road, Sha Tin. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 8 March 2005. The complaint was about construction noise and dust generated from the construction sites nearby Garden Villa at Tai Po Road, Sha Tin. The complainant was particularly concerned of the following issues: Nighttime & Sunday construction noise Noise from tunnel blasting at early morning and nighttime Dust from construction activities | Nighttime & Sunday construction noise no exceedance for noise monitoring restricted hour works were found complied with the CNPs records of vehicular trips on TAR1 did not show non-compliance of CNP conditions Noise from tunnel blasting at early morning and nighttime no exceedance for noise monitoring valid blasting permit had been obtained from CEDD blasting work is not under the jurisdiction of EPD Dust from construction activities dump trucks with uncovered / inadequately covered materials were observed leaving site no exceedance for TSP monitoring enhanced dust suppression measures had been implemented by the Contractor Conclusions The complaint against the dust issue (uncovered / inadequately covered dump trucks) was considered justifiable The Contractor was reminded to review the current checking system. Continuous spot checks would be performed by ET and RSS. | Closed |
| 50330 | Garden Villa (TAR1) | 30-Mar-05 (by EPD & ET Leader) | Environmental Protection Department (EPD) received a public complaint on 30 th March 2005 about construction noise from the sites of Route 8 – Eagle's Nest Tunnel and Associated Works (R8-ENT) near Garden Villa at Tai Po Road, Sha Tin. The complaint, which was lodged by a resident of Garden Villa on 29 th March 2005, was about the noise generated by heavy vehicles traveling in and out of the construction site near Garden Villa. According to the complaint, the noise was made from 7am onwards. | The site of concern was likely to be the Temporary Access Road no.1 (TAR1) connecting Tai Po Road and the construction sites of R8-ENT and Route 8 - Sha Tin Heights Tunnel and Approaches (R8-SHT). The time period of concern was within normal working hours (7am to 7pm) on a weekday not being holidays. According to the EM&A Manual, the criterion of construction noise in term of L_{eq} -30min within this period is 75 dB(A) for domestic premises. Since the commencement of the Project, no exceedance of daytime noise criterion of 75 dB(A) was recorded at Station AM3 (Garden Villa). During the 2-hour measurement period of the ad-hoc monitoring (0700-0900 hrs), all the measured noise levels (L_{eq} -30min) were below the daytime noise | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| | | | | criterion of 75 dB(A). Based on the results of routine noise monitoring and the adhoc measurement on 1st April 2005 at Garden Villa, no exceedance of daytime noise criterion of 75 dB(A) was recorded. The complaint lodged is therefore considered not justifiable. In order to minimize the nuisance generated by the vehicle use at Garden Villa, the Contractor has proposed to limit the frequency of trucks existing from TAR1 at a rate of one truck per minute during the time period of concern (7am to 8:30am). | |
| 50415 | Government Quarters | 09-Apr-05 (by EPD) 15-Apr-05 (by ET Leader) | The complaint, which was lodged by a resident of 7/F, 38B, 8-10 Caldecott Road (Governmental Quarters) on 9 th April 2005, was about the noise generated by the construction works at the Butterfly Valley during daytime. The complainant mentioned that the instant noise level taken by himself was 78 to 82 dB(A). EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 15^{th} April 2005. The time period of concern was within normal working hours (7am to 7pm) on a weekday not being public holidays. According to the EM&A Manual, the criterion of construction noise in term of L_{eq} -30min within this period is 75 dB(A) for domestic premises. | Governmental Quarters (Station NM6) is one of the designated noise monitoring stations in the EM&A programme. Routine monitoring is undertaken on a weekly basis in accordance with the EM&A Manual. Since the commencement of the Project, no exceedance of daytime noise criterion of 75 dB(A) was recorded at this station. Ad-hoc measurement was conducted at the complainant's premises on 22 Apr 05. The measured noise level was 69.0 dB(A), which was well below the daytime noise criterion of 75 dB(A). Based on the results of routine noise monitoring and the adhoc measurements conducted in the complainant premises, no exceedance of daytime noise criterion of 75 dB(A) was recorded. The complaint lodged is therefore considered not justifiable. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 50419 | Government Quarters | 15-Apr-05 (by EPD) 19-Apr-05 (by ET Leader) | The complaint was lodged by a resident of 8-10 Caldecott Road (Government Quarters) on 15 th April 2005 to EPD as well as the Chief Resident Engineer of the Project. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 19 th April 2005. The complainant mentioned that they had experienced quite a lot of noise emanating from the tunnel drilling area after 11pm over several nights and most particularly at the night of 14 th April 2005 and at 4am on 15 th April 2005. | The site of concern was likely to be the South Portal. For carrying out construction works at this area during restricted hours, two Construction Noise Permits (CNPs no. GW- RW0085-05 and GW-RW0086-06) were obtained by the Contractor in accordance with the requirements stipulated in Noise Control Ordinance. According to the information provided by the Resident Site Staff and the Contractor, the construction activities undertaken in the period between 11 th and 15 th April 2005 from 1900 to 0700 hours included drilling, breaking, trimming, set up of rock drill, installation of arch-rib and grouting. The powered mechanical equipment (PME) involved in the above works included backhoe, rock drill, loader, dumper, shot-crete machine, group pump, mobile platform and grout machine, which were covered by the CNPs. According to the routine monitoring results, for the time period between 2300-0700 hours, the measured noise levels exceeded the corresponding noise Limit Level of 50dB(A). However, the measured levels were found within the range of baseline level and below the average baseline level. Based on the routine noise monitoring results at Station NM6, the measured noise levels for the period between 2300-0700 hours were below the baseline noise level, which was comparable to the ambient level. According to the RSS's record, the PME items operated during the concerned period were found covered by the 2 CNPs hold by the Contractor. Based on the available information, there is not enough evidence to prove whether the complaint against nighttime construction noise generated in the concerned period (11 th to 15 th April 2005) is justifiable or not. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 50512 | Yew Chung International School | 12-May-05 | On 11 May 05, a notice was sent to Yew Chung International School (YCIS) by the Contractor, providing their tentative blasting schedule on 12 May 05. It was shown that one of the blasting operations was scheduled at 09:30am, at when an examination was being held in YCIS. Upon receipt of the notice, a representative of YCIS lodged a complaint to the Contractor via the Project's hotline at 07:40 on 12 May 2005. The complainant expressed her objection to the blasting operation taken at 09:30am when the examination was taken place. The Contractor then agreed on one occasion only to delay the tunnel blast planned for 9:30am until 9:50am (i.e. 5 min after the examination). The complainant satisfied but did expect no future blasting during the examination period. According to the Engineer's Representative, the Contractor did not wish to make any commitment to ensure no blasting would be taken within the examination period. | A 1-day continuous noise measurement was conducted by the Environmental Team at Station NM1 on 26 May 05. According to the ER's record, two blasting operations were taken in the vicinity of YCIS on 26 May 05. One surface blast was taken at Butterfly Valley at 15:42 and one tunnel blasting was taken at South Portal at 16:56. The measurement results showed that the noise impact in term of Leq-5min and Leq-30min arising from the blasting operations was insignificant. No exceedance of construction noise criterion for examination period was recorded (Leq- 30min < 65dB(A)). The complaint lodged was therefore considered not justifiable. However, in order to minimize the potential nuisance arising from the blasting noise and the siren sounds prior to blasting, the Contractor was recommended to consider scheduling the blasting operations beyond the examination periods. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 50610 | Government Quarters | 10-Jun-05 | On 10 June 2005, the Resident Site Staff (Maunsell-Hyder Joint Venture) received a complaint from a resident of the Government Quarters at Caldecott Road. The complaint was concerned about the construction dust generation as a result of the construction activities of the Project at Butterfly Valley. The complainant had not specified which construction activities had contributed to the dust generation. | Site Observations According to the RSS's preliminary investigation, it was considered that soil nailing at Slope BV-S2 was the dominant dust source and was likely to be the activity of concern. The dust suppression measures taken were found inadequate to control the dust dispersion from the works. Noticeable dust dispersion from the soil nailing work could be observed. <i>Corrective Actions</i> After the Contractor was notified by the RSS of the complaint, immediate action was taken by the Contractor on the same day (10 June 2005). The dust mitigation measures for the soil nailing were enhanced. An additional thicker cover was used. Also, continuous water spray was applied to suppress the dust emission. <i>Environmental Outcome</i> The RSS made a response to the complainant on 10 June 2005. The complainant was informed of the rectification actions taken by the Contractor. No further adverse comment was received from the complainant. <i>Conclusions</i> Based on the RSS's information, 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 immediately and the situation was found improved. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 50712 | A scattered house near South Portal and Tai Po Road Water Treatment Works Staff Quarters | 12-Jul-05 | On 12 July 2005, a resident, whose house is located near South Portal and Tai Po Road Water Treatment Works Staff Quarters, lodged a complaint to the Contractor via the Project's hotline at 11:40am. The complainant expressed his concern on the nuisance caused by the blasting works at early morning (before 07:00 hours) and late night (after 23:00 hours). | Site Activity According to the information provided by the RSS, tunnel blasting works have been taken place in the concerned period in north bound tunnel from the Ventilation Adit towards the direction of the South Portal. Environmental Requirements In the EP, the EM&A Manual of the Project and the NCO, no requirement is specified for the control of blasting operation and the associated environmental impact, such as blasting noise. It should be highlighted that for carrying out blasting works, permission should be obtained by Mines Division of CEDD, but not under the jurisdiction of EPD. For carrying out the above-mentioned blasting operations, the Contractor has obtained a valid blasting permit from CEDD under the Dangerous Goods Ordinance (Cap. 295). Under this permit, the Contractor is allowed to carry out 24-hour blasting works within the designated area. Contractor's Actions Though the blasting noise is not under the control of any environmental related regulation and the Contractor is allowed to carry out 24-hour blasting, the Contractor would try to keep the blasts of concern undertaken between 07:00 to 23:00 hours. This arrangement could effectively reduce the potential nuisance to the residents within the more sensitive time period (23:00 to 07:00 on next day). Conclusions The subjected blasting operations were carried out by the Contractor under a valid blasting permit. The complaint lodged is therefore considered not justifiable. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 50809 | Government Quarters (8-10 Caldecott Road) | 09-Aug-05 | On 9 August 2005, a resident of 8-10 Caldecott Road (Government Quarters) lodged a complaint to the Contractor via the Project's hotline at 14:30. The complainant expressed her concern on the nuisance caused by the blasting works undertaken at Butterfly Valley. Noise impact arising from the blasting works was one of the issues raised by the complainant. | Ad-hoc Noise Measurement An ad-hoc noise measurement was carried out on the roof of Government Quarters during a surface blast on 16 August 2005. According to the record of the RSS and the site observation, a surface blasting was undertaken at Butterfly Valley at around 15:38 on the monitoring day. The results show that the measured noise level in term of Leq- 30min, i.e. 69.1 dB(A) during the surface blasting was well below the daytime construction noise criterion of 75 dB(A). <i>Conclusion and Recommendation</i> According to the results of ad-hoc noise measurement taken at Government Quarters on 16 August 2005, the measured noise levels (Leq-30min) did not exceed the noise criterion of 75 dB(A). In addition, the subjected blasting operations were carried out by the Contractor under a valid blasting permit. For the concern of noise impact, the complaint was considered not justifiable. | Closed |
| 50830 | Government Quarters (8-10 Caldecott Road) | 30-Aug-05 | The RSS received a public complaint from a resident of Government Quarters addressing two noise issues: 1. Noise nuisance caused by drilling works at Butterfly Valley; 2. Noise nuisance due to blasting 0045 hrs of 28 August 2005. | Noise MeasurementNo exceedance was recorded for the routine noise monitoring at NM6 (Government Quarters). Ad-hoc noise measurement was conducted on 1 and 2 Sept 05. All measured noise levels complied with the noise criteria.ConclusionThe complaint was considered not justifiable. However, the Contractor had taken proactive actions in order to minimize the nuisance of the residents, (1) to stop the rock breaking works at BVS2 and (2) to install temporary noise barriers for drilling works. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 50928 | Government Quarters (8-10 Caldecott Road) | 28-Sept-05 | A resident of Government Quarters complaint about a blast undertaken at 0215hr on 28 Sept 05. | Environmental Monitoring After receiving the complaint, the ET carried out a continuous noise measurement at Station NM6 (Government Quarters) from 29 to 30 September 2005. All the measured noise levels in term of Leq-5min are close to the baseline noise level. The noise levels after correction of baseline levels were all below the noise criterion of 50 dB(A). Conclusion The subjected blasting operations were carried out by the Contractor under a valid blasting permit. In addition, no noise exceedance was recorded for the ad-hoc noise monitoring. The complaint lodged is therefore considered not justifiable. | Closed |
| 51025 | Caldecott Hill (2 Caldecott Road) | 25-Oct-05 | A public complaint was received by the MWPMO of Highways Department on 25 October 2005. The complaint was subsequently refereed to the RSS and Environmental Team of Route 8 – Eagle's Nest Tunnel and Associated Works (R8- ENT) Project. The complaint was lodged by the management company of Caldecott Hill (No.2 Caldecott Road). It was about dust generation when construction vehicles, particularly dump trucks and concrete trucks, traveling along the Water Treatment Works (WTW) access road and its junction with Caldecott Road. According to the photos provided by the complainant, noticeable dust generation was observed during construction vehicles movement on the roads of concern. | Site Observations Ad-hoc site inspections were carried out on 25 and 26 Oct 05. On 26 Oct 05, the WTW access road was observed dry. Deposition of dusty materials was noted. Significant dust generation was identified during vehicle movement. <i>Contractor's Actions</i> Mitigation actions were taken by the Contractor: One labour was appointed to water spray the concerned road junction and clear up of dusty materials deposited on the WTW access road. Regular watering on access road by hose pipe was performed to keep the road wet. All vehicles would be wheel-washed and loads of dusty materials would be covered before leaving the site. <i>Conclusions</i> Based on the site observations, this complaint was considered to be valid and related to the Project works. However, enhanced dust mitigation measures were taken by the Contractor and the situation was found improved. | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| 51031 | Po Leung Kuk Choi Kai Yau School | 31-Oct-05 | The resident site staff (MHJV) of R8-ENT received a complaint from the Principal of PLKCKY School. She commented that the blasting noise (nighttime and daytime) at Butterfly Valley became louder than before. | An ad-hoc noise measurement was taken by ET on 5 Nov 05 to evaluate the noise impact due to daytime surface blasting at the BV. The measurement results revealed that there has been no exceedance of noise level criteria. The complaint was therefore considered not justifiable. | Closed |
| 51101 | Butterfly Valley (Government Quarters) | 1-Nov-05 | On 1 Nov 05, the Resident Site Staff received a complaint from a resident of the Government Quarters. On 2 Nov 05, a complaint of similar natures and same location was received by the Environmental Protection Department. The complainant was concerned about the following environmental issues: 1. Noise nuisance due to tunnel blasting works undertaken at midnights and in early mornings (3am to 5am); 2. Noise nuisance due to operation of a generator after 11pm; 3. Construction dust and daytime noise due to processing and stockpiling of crushed rocks at Butterfly Valley; 4. Noise nuisance due to works outside tunnel in the early morning of 2 Nov 05. | Item 1: Noise nuisance due to tunnel blastingFor carrying out the above-mentioned blasting operations, theContractor has obtained a valid blasting permit from CEDD.Under this permit, the Contractor is allowed to carry out 24-hour blasting works. As advised by the Contractor, all theblasting operations had been completed by 12 Nov 05.Item 2: Noise due to operation of a generator after 11pmAccording to the Construction Noise Permit issued by EPD,one generator was allowed to be operated after 11pm at SouthPortal area outside the tunnel. In view of the provision ofacoustic enclosure and the separation distance from thegenerator to Government Quarters (around 300m), the noiseimpact arising from this generator onto the residents of theQuarters was believed to be insignificant. During the ET'sinvestigation on 11 Nov 05, no engine-like noise generatedfrom the construction site could be identified.Item 3: Dust and noise due to handling of crushed rocksNo noise exceedance was recorded. During the weekly siteinspections, deficiencies regarding inadequate dust mitigationmeasures for the crushed rock processing and stockpiling wereoccasionally observed. Dry / uncovered stockpiles and dustemissions from crushed rocks handling were sometimes noted.Item 4: Noise from works out of tunnel in morning of 2 Nov 05According to the RSS's site records, there has been no activityoutside the tunnel in the early morning of 2 November 2005.Work was undertaken deep inside the tunnel during theconcerned period. The mentioned noise musance might not be< | Closed |

| Log Ref. | Location of Concern | Received Date | Details of Complaint | Investigation/Mitigation Action | Status |
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| | | | | <u>Conclusion</u> Based on the information obtained, environmental monitoring results and site observations, this complaint was considered not justifiable, except for the concern of dust nuisance due to crushed rock processing. | |
| 51205 | Caldecott Road junction | 5-Dec-05 | The complaint was lodged by the management company of Villa Carlton. The complainant mentioned that several complaints from the occupants of Villa Carlton were received, against the dust emission when they drove to Kowloon via the Caldecott Road Junction. She also considered that the amount of water spraying by the Contractor was insufficient to suppress dust emission at Caldecott Road Junction. | <u>Complaint Record</u> A similar complaint (Log no. 51025) was received on 25 Oct 05 from Caldecott Hill. Significant dust emission was noted when construction vehicles traveling along the WTW access road and its junction with Caldecott Road. With implementation of enhanced dust mitigation measures, the situation was found improved and satisfactory. <u>Site Observations</u> Since Nov 05, in order to observe the Contractor's actions taken for the above-mentioned complaint, the area of interest was included during the weekly environmental audit. No deficiency had been noted at this area during the audit. After receiving this new complaint (Log no.51205), several ad-hoc site inspections were carried out on 6, 8 and 14 Dec 05. In addition, the RSS of the Project had carried out daily checking of the condition of the Caldecott Road Junction. Sufficient dust mitigation measures had been implemented by the Contractor. The condition was found satisfactory. Therefore, this complaint was considered not justifiable. However, it is noted that the Contractor had stepped up dust mitigation measures to further improve the condition at Caldecott Road junction. | Closed |

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| 60204 Garde | den Villa | 4-Jan-06 (by ETL) | A public complaint was received by the Environmental Protection Department on 3 January 2006. The complaint was subsequently referred to the Environmental Team of Route 8 – Eagle's Nest Tunnel and Associated Works (R8-ENT) Project on 4 January 2006. According to EPD's information, the complaint was lodged by a complainant, who walked along Tai Po Road on 1-2 January 2006. The following information was given by EPD for our investigation: Time of concern: 1-2 January 2006 (Daytime) Suspected site area of concern: ENT's Toll Plaza and Administration Building. Dust and noise nuisance was noted by the complainant when he passed Garden Villa. Noise from wood saw and crane or alike was noted. | A. Construction Noise Impact According to the Contractor's information, construction activities were carried out on 1 and 2 Jan 06, including: Erection and dismantling of formwork Fixing water pipe All the equipment operated by the Contractor on 1-2 Jan 06 complied with the permissible equipment stated in the CNP. On 1 Jan 06, noise monitoring was carried out. All the results complied with the noise criterion. B. Construction Dust Impact Erection and dismantling of formwork and fixing water pipe were considered not dust emissive in nature. For stockpiles of materials in Toll Plaza area, dust mitigation measures had been implementing by the Contractor. The condition in term of dust control was found satisfactory during the audit sessions on 4 and 11 Jan 06. Since December 2005, all TSP monitoring results complied with the Action / Limit Level. Conclusion Based on the information given, site observations and environmental monitoring results, this complaint was considered not justifiable. Nevertheless, the Contractor was reminded to adopt good site practice to minimize the environmental impacts at the nearby sensitive receivers | Closed |

APPENDIX J SUMMARY OF EXCEEDANCES

Summary of exceedances recorded in the reporting quarter

- a) Exceedance Report for 1-hr TSP (NIL)
- b) Exceedance Report for 24-hr TSP (NIL)
- c) Exceedance Report for Construction Noise (NIL)