Civil Engineering and Development Department

Trunk Road T2

Monthly Environmental Monitoring and Audit Report (under EP-451/2013)

April 2021

(Version 1.0)

Approved By	
	(Environmental Team Leader:
	Mr. KS Lee)

REMARKS:

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

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

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Ref.: CEDKTDT2EM00_0_0185L.21

14 May 2021

By Post and Email

Hyder-Meinhardt Joint Venture 17/F, Two Harbour Square 180 Wai Yip Street, Kwun Tong Kowloon, Hong Kong

Attention: Mr. Edwin Ching

Dear Mr. Ching,

Re: Agreement No. EDO 01/2019 Independent Environmental Checker for Contract No. ED/2018/04 – Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron

Monthly EM&A Report (April 2021) for EP-451/2013

Reference is made to the Environmental Team's submission of the Monthly EM&A Report for April 2021 (Version 1.0) certified by the ET Leader and provided to us via email on 14 May 2021.

We are pleased to inform you that we have no adverse comment on the captioned submission. We write to verify the captioned submission in accordance with Condition 3.4 of EP-451/2013.

Thank you for your attention. Please do not hesitate to contact our Ms. Rachel Wong at 3465 2815 or the undersigned should you have any queries.

Yours sincerely,

For and on behalf of

Ramboll Hong Kong Limited

Y H Hui Independent Environmental Checker

C.C.	CEDD	Attn.:	Mr. Tommy Wong	Fax: 2739 0076
	BTP	Attn.:	Mr. Ivan Chau	By email
	Cinotech	Attn.:	Mr. K. S. Lee	Fax: 3107 1388

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TABLE OF CONTENTS

		Page
ЕХ	XECUTIVE SUMMARY	1
	Introduction Summary of Main Works Undertaken and Key Measures Implemented	
	Summary of Exceedances, Investigation and Follow-up Complaint Handling, Prosecution and Public Engagement	
	Reporting Changes	
	Future Key Issues Review of Status and Location of Monitoring Stations	
1	INTRODUCTION	
	Background	5
	Purpose of the Report	
	Project Organizations	6
	Construction Activities undertaken during the Reporting Month	
	Summary of EM&A Requirements	
	Status of Environmental Licensing and Permitting	
2	AIR QUALITY	
	Monitoring Requirement	
	Monitoring Locations	
	Monitoring Parameters and Frequency	
	Monitoring Equipment	
	Monitoring Methodology Results and Observations	
	Comparison of EM&A Result with EIA Prediction	
3	NOISE	
	Monitoring Requirements	
	Monitoring Locations	
	Monitoring Parameters, Frequency and Duration	
	Monitoring Equipment	
	Monitoring Methodology and QA/QC Procedure	
	Maintenance and Calibration	
	Results and Observations Comparison of EM&A Result with EIA Prediction	
4	WATER QUALITY	
4	Monitoring Requirement.	
5	MARINE ECOLOGY	
6	FISHERIES	20
7	LANDSCAPE AND VISUAL	21
8	CULTURAL HERITAGE	24
9	WASTE MANAGEMENT	24

ENVIRONMENTAL AUDIT	
Site Audits	
Implementation Status of Environmental Mitigation Measures	
Implementation Status of Event and Action Plans	
ENVIRONMENTAL NON-CONFORMANCE	
FUTURE KEY ISSUES	27
Monitoring Schedule	
CONCLUSIONS AND RECOMMENDATIONS	
Conclusions	
	ENVIRONMENTAL AUDIT

LIST OF TABLES

Table I	Summary of Complaint/Summons/Prosecution in the Reporting Month
Table II	Summary Table for Site Activities in the next Reporting Period
Table III	Summary Table for Review of Status and Location of Monitoring Stations
Table 1.1	Key Project Contacts
Table 1.3	Summary of Environmental License and Permit
Table 2.1	Air Quality Monitoring Locations
Table 2.2	Frequency and Parameters of Air Quality Monitoring
Table 2.3	Air Quality Monitoring Equipment
Table 2.4	Major Dust Source during Air Quality Monitoring
Table 2.5	Comparison of 1-hr TSP Monitoring Data with Predictions in EIA Report (not used)
Table 2.6	Comparison of 24-hr TSP Monitoring Data with Predictions in EIA Report
Table 3.1	Noise Monitoring Stations
Table 3.2	Frequency and Parameters of Noise Monitoring
Table 3.3	Noise Monitoring Equipment
Table 3.4	Major Noise Source during Noise Monitoring
Table 3.5	Baseline Noise Level and Noise Limit Level for Monitoring Stations
Table 3.6	Comparison of Noise Monitoring Data with Predictions in EIA Report
Table 3.7	Additional Noise Monitoring Results
Table 7.1	Construction Phase Landscape and Visual Mitigation Measures
Table 7.2	Construction Phase Audit Checklist for Landscape and Visual Mitigation Measures
Table 10.1	Observations and Recommendations of Site Audit
Table 10.2	Status of Required Submission under Environmental Permit

LIST OF FIGURES

Figure 1.1	Layout Plan of	of the Project Site
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- Figure 1.2
- Project Organisation for Environmental Monitoring and Audit Locations of Air Quality and Construction Noise Monitoring Stations Figure 2

LIST OF APPENDICES

- Appendix A Action and Limit Levels
- Appendix B Environmental Monitoring Schedules
- Appendix C Copies of Calibration Certificates for Air Quality Monitoring
- Appendix D Weather Information
- Appendix E 1-hour TSP Monitoring Results and Graphical Presentations (not used)
- Appendix F 24-hour TSP Monitoring Results and Graphical Presentations
- Appendix G Copies of Calibration Certificates for Noise Monitoring
- Appendix H Noise Monitoring Results and Graphical Presentations
- Appendix I Site Audit Summary
- Appendix J Event and Action Plans
- Appendix K Environmental Mitigation Implementation Schedule (EMIS)
- Appendix L Summaries of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution
- Appendix M Summary of Exceedance
- Appendix N Tentative Construction Programme
- Appendix O Waste Generated in the Reporting Month

EXECUTIVE SUMMARY

Introduction

1. This is the 14th Environmental Monitoring and Audit (EM&A) Report prepared by the Environmental Team (ET), Cinotech Consultants Ltd., for "Trunk Road T2". This report summarized the monitoring results and audits findings of the EM&A programme under the issued Environmental Permit (EP) No. EP-451/2013 and in accordance with the EM&A Manual (AEIAR-174/2013) during the reporting month of April 2021.

Summary of Main Works Undertaken and Key Measures Implemented

2. The main works undertaken during the reporting period are as follows:

Kai Tak:

- Depressed Road Capping Beam
- Depressed Road Excavation
- Depressed Road Strut Installation
- Depressed Road RC Structure
- Depressed Road Retaining Wall
- Depressed Road Drainage Installation
- SUS Bulkhead Removal
- SUS Remedial Works
- West Ventilation Building Sheet Pile
- West Ventilation Building King Post Installation
- West Ventilation Building Wells Installation
- Launching Shaft Excavation
- C&C Bulk Excavation
- 132kV substation E&M Works
- Road S20 / AMAWBC Road & Drain
- CUE Section 6A RC Structure
- Section 6A Junction & Entrance Sheet Pile
- Road L10 (North) ELS
- Road L18 Sheet Pile
- District Cooling System (DCS) Section 6B
- Foot Bridge (FT-02) H Pile Installation
- Hoi Bun Road Junction Improvement
- Mortar Plant Civil Works
- Mortal Plant Assembly
- Amenities Assembly
- Segment Yard Civil Works
- STP Trenches
- STP Civil Works
- STP Drainage Works
- STP Tanks Erection

3. Implementation of the key mitigation measures during the reporting period are as follows:

Air Quality

- Water spraying regularly on construction site area to avoid dust generation.
- Excavated dusty materials were covered by impervious sheets.

Noise

- Air compressor was operated with door closed and have valid noise labels.
- Use of Quality Powered Mechanical Equipment (QPME)
- Erecting noise barriers on site to minimize noise impact generated from breaking activities.
- Wrapping up the breaker with acoustic insulation sheets.

Water Quality

• WetSep was constructed to treat the surface runoff prior to discharge.

Landscape and Visual

• Tree protection zone were fenced off to protect the existing tree.

Summary of Exceedances, Investigation and Follow-up

4. Exceedance of Action/Limit levels during the reporting month (April 2021) and the investigation results and/or follow-up actions:

Air Quality Monitoring

- No Action Level exceedance for 24-hour TSP was recorded.
- No Limit Level exceedance for 24-hour TSP was recorded.

Construction Noise Monitoring

- No Limit Level exceedance for day time construction noise was recorded in this reporting month.
- No Action Level exceedance was recorded in this reporting month.

Landscape and Visual Monitoring and Audit

• No non-compliance of the landscape and visual impact was recorded in the reporting month. The implementation of landscape and visual and mitigation measures was checked by a Registered Landscape Architect (RLA) during the environmental site inspections.

•

Complaint Handling, Prosecution and Public Engagement

Table I Summary of Complaint/Summons/Prosecution in the Reporting Month

E	Even	t Details	Follow-up/	Status/
Event	Number	Brief Description	Remedial Actions	Remarks
Complaints Received	0	-	-	-
Notification of Summons and Prosecutions Received	0	-	-	-
Public Engagement Activities	0	-	-	-

Reporting Changes

5. No reporting change in the reporting period.

Future Key Issues

6. The key works or activities will be anticipated in the next reporting period are as follows:

Table II Summary Table for Site Activities in the next Reporting Period

Site Activities (May 2021)	Key Environmental Issues
 Depressed Road – South Apron Adit Wall Depressed Road – DCS Pipes Installation West Ventilation Building – Steel Deck Erection Launching Shaft – VSL Ground Beam Launching Shaft – VSL Gantry Crane Setup S5 Steel Strut S6 Steel Strut Section 6A Junction RC Structure Road L10 (North) Excavation District Cooling System (DCS) Section 7B Workshop Assembly STP Assembly 	(A) / (B) / (C) / (D)

Note:

(A) Dust generation from haul road, stockpile of dusty materials, exposed site area, excavation works and rock breaking activities;

(B) Noisy construction activity such as rock-breaking activities and piling works;

(C) Runoff from exposed slope or site area; and

(D) Wastewater and runoff discharge from site.

Review of Status and Location of Monitoring Stations

7. According to the EM&A Manual (AEIAR-174/2013), the number and location of the monitoring stations and parameters should be reviewed in every six months, or on as -needed basis, in order to cater for any changes in the surrounding environmental and the nature of works in progress. The latest review was conducted in between February and March 2021 and the review of status and location of monitoring stations are summarized as follow:

Monitoring Station ID	Review Status	Follow-up Action/ Recommendation
	ET has reviewed the status and location	
	of KTD 2c. To conclude, the location of	The relocation of KTD 2c to the
	the present station cannot accurately	nearest NSR/ASR is proposed
KTD 2c	represent how the sensitive	until the SR is built. The
KID 20	receivers (SR) are being affected by the	proposal has been submitted to
	construction activities, as the	EPD in March 2021 for their
	construction of such SR is still in	approval.
	progress.	
KER1	ET has reviewed the status and location	
KEKI	of KER1, KTD 1, CKL1 and CKL2. To	
	conclude, the environmental monitoring	
KTD 1	conducted at KER1, KTD 1, CKL 1 and N/A	
	CKL 2 are appropriate, and the	11/21
CKL 1	monitoring results reflect how the	
	sensitive receiver(s) is/are impacted by	
CKL 2	the construction activities of the Project.	

Table III Summary Table for Review of Status and Location of Monitoring Stations

N/A: Not Applicable

1 INTRODUCTION

Background

- 1.1 In 2009, Civil Engineering and Development Department (CEDD) commissioned a Kai Tak Development (KTD) – Trunk Road T2 and Infrastructure at South Apron Investigation. The assignment covers the provision of the Trunk Road T2 and its connections with the Central Kowloon Route (CKR) at the north apron area and the Tseung Kwan O – Lam Tin Tunnel (TKOLTT) to the south in the Cha Kwo Ling area.
- 1.2 The Trunk Road T2 Project is one of the designated Projects under Schedule 2 of the EIAO proposed in the KTD. CEDD submitted the Project Profile (No. PP-379/2009) on 24 March 2009 for application for an EIA study brief for the Trunk Road T2 Project under the EIAO. Accordingly, an EIA Study Brief (ESB-203/2009) for the Trunk Road T2 Project was issued on 30 April 2009. The Environmental Impact Assessment (EIA) Report for the Trunk Road T2 Project was approved under the Environmental Impact Assessment Ordinance (EIAO) on 19 September 2013. The corresponding Environmental Permit (EP) was issued on 19 September 2013 (EP no.: EP-451/2013).
- 1.3 The Contract No. ED/2018/04 is the main contract of Trunk Road T2 ("T2 Main Works") which comprises mainly the design and construction of a dual two-lane trunk road of approximately 3.0km long with about 2.7km of the trunk road in form of tunnel; ventilation and administration buildings, environmental protection and mitigation works and etc. The EM&A programme at Kai Tak area under this Contract is governed by the EP-451/2013 and EM&A Manual (AEIAR-174/2013). The work areas of the T2 Main Works are shown in Figure 1 and the works to be executed under this Contract and corresponding EP is summarized as follows:

Environmental Permit	Works Description
EP-451/2013 – Trunk Road T2	<u>Trunk Road T2</u>
	• Construction of highway and sub-sea tunnel connecting between
	Central Kowloon Route and Cha Kwo Ling Tunnel
	Western & Eastern Ventilation Buildings

Monitoring Works in Kai Tak under EP-451/2013

Under Contract No. KL/2014/03 - Kai Tak Development - Stage 3 Infrastructure Works for 1.4 Development at the Southern Part of the Former Runway ("T2 Advance Works"), the baseline monitoring works in Kai Tak under the EM&A Manual (AEIAR-174/2013) were conducted by the Environmental Team (ET) for the Contract No. KL/2014/03 at the approved relocated monitoring locations (EPD reference: EP2/K19/A/21 pt.5), namely KTD1a, KTD2a & KER1a. During the impact monitoring period, monitoring locations KTD 2a and KER 1a were relocated to new locations, i.e. KTD 2b and KER 1b (EPD reference: () in EP2/K19/A/21 pt. 6 and () in EP2/K19/A/21 pt. 5) respectively. Location KTD2b was then further relocated to location KTD2c, the proposal of such relocation was submitted to EPD on 24 March 2020 and was approved by EPD on 6 April 2020 (EPD reference: () in EP2/K19/A/21 pt.7). The aforementioned relocation was effective from 9 April 2020. Since the major part of work under Contract No. KL/2014/03 has been completed and monitoring works conducted by the ET of Contract No. KL/2014/03 was determined to be ceased, the impact monitoring within the Kai Tak area was then handed over to the ET of Contract No. ED/2018/04 on 1 August 2020. The monitoring location has been reviewed and updated to obtain the data with higher representative

based on several conditions, such as distance between monitoring location and the sensitive receiver, non-project related interference, obstruction to the construction works on site and the power supply problem. The monitoring location KTD1a and KER1b has been updated to the monitoring location KTD1 and KER1 on 3 August 2020, where are the original location as proposed in the EM&A manual (AEIAR-174/2013). And the monitoring location KTD2c was remained unchanged after the aforementioned review. The impact monitoring for the three stations KTD1, KTD2c and KER1 are currently conducted by the ET of T2 Main Works

Monitoring Works in Cha Kwo Ling under EP-451/2013

- 1.5 The environmental impact of the remaining works in Cha Kwo Ling, under EP-451/2013, shall be monitored at the two proposed stations, namely CKL1, CKL2, in accordance to the EM&A Manual (AEIAR-174/2013). The impact monitoring for the two proposed stations shall be conducted by the ET of T2 Main Works.
- 1.6 Cinotech Consultants Ltd. was designated as the Environmental Team (ET) to undertake the EM&A works for "Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron" (hereinafter called the "Project").

Purpose of the Report

1.7 This is the 14th Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period in April 2021.

Project Organizations

- 1.8 Different Parties with different levels of involvement in the Project organization include:
 - Permit Holder Civil Engineering and Development Department (CEDD)
 - Supervisor Representative Hyder-Meinhardt Joint Venture (HMJV)
 - Environmental Team (ET) Cinotech Consultants Limited (Cinotech)
 - Independent Environmental Checker (IEC) Ramboll Hong Kong Limited (Ramboll)
 - Contractor Bouygues Travaux Publics (BTP)

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

Party	Role	Contact Person	Phone No.
CEDD	Permit Holder Mr. Wong Chi Wai, Tommy		3842 7111
HMJV	Supervisor Representative Mr. Joe Nam		5183 0830
Cinotech Environmenta	Environmentel Teem	Mr. KS Lee (ETL)	2151 2091
		Ms. Karina Chan	2157 3880
Ramboll	Independent Environmental Checker	Mr. Manson Yeung (until 11 April 2021)	3465 2888
		Mr. YH Hui (from 12 April 2021)	3465 2850

Table 1.1Key Project Contacts

Party	Role	Contact Person	Phone No.
BTP	Contractor	Mr. Bryan Lee	5588 3891

1.10 The Organizational Structure for Environmental Management is shown in Figure 1.2.

Construction Activities undertaken during the Reporting Month

1.11 The major site activities undertaken in the reporting month included:

Kai Tak:

- Depressed Road Capping Beam
- Depressed Road Excavation
- Depressed Road Strut Installation
- Depressed Road RC Structure
- Depressed Road Retaining Wall
- Depressed Road Drainage Installation
- SUS Bulkhead Removal
- SUS Remedial Works
- West Ventilation Building Sheet Pile
- West Ventilation Building King Post Installation
- West Ventilation Building Wells Installation
- Launching Shaft Excavation
- C&C Bulk Excavation
- 132kV substation E&M Works
- Road S20 / AMAWBC Road & Drain
- CUE Section 6A RC Structure
- Section 6A Junction & Entrance Sheet Pile
- Road L10 (North) ELS
- Road L18 Sheet Pile
- District Cooling System (DCS) Section 6B
- Foot Bridge (FT-02) H Pile Installation
- Hoi Bun Road Junction Improvement
- Mortar Plant Civil Works
- Mortal Plant Assembly
- Amenities Assembly
- Segment Yard Civil Works
- STP Trenches
- STP Civil Works
- STP Drainage Works
- STP Tanks Erection

Summary of EM&A Requirements

- 1.12 The EM&A programme requires construction noise, air quality monitoring and environmental site audit, etc. The EM&A requirements for each parameter are described in the following sections, including:
 - All monitoring parameters;
 - Action and Limit levels for all environmental parameters;

- Event Action Plans;
- Environmental mitigation measures, as recommended in the Project EIA Report.
- 1.13 The advice on the implementation status of environmental protection and pollution control/mitigation measures is summarized in **Section 10** of this report.
- 1.14 This report presents the monitoring results, observations, locations, equipment, period, methodology and QA/QC procedures of the monitoring parameters of the required environmental monitoring works and audit works for the Project in April 2021.

Status of Environmental Licensing and Permitting

1.15 All permits/licenses obtained for the Project are summarized in Table 1.3.

D 4/14 N	Valid	<u> </u>	
Permit / License No.	From	То	Status
Environmental Permit (EP)	·		
EP-451/2013	19 Sep 2013	N/A	Valid
Notification pursuant to Air Pollution (Const	truction Dust) F	Regulation	
Ref. No.: 451120	20 Nov 2019	N/A	Valid
Billing Account for Construction Waste Disp	osal		
A/C No.: 7036016	09 Dec 2019	N/A	Valid
Billing Account for Vessel Disposal			
A/C No.:7037747 (Application No.: CEDD01091)	19 Jan 2021	19 Apr 2021	Expired on 19 April 2021
A/C No.:7037747 (Application No.: CEDD01100) 21 A		22 Jul 2021	Valid
Construction Noise Permit			
CNP No. (For Portion Depressed Road): GW-RE0050-21	25 Jan 2021	15 Jun 2021	Valid
CNP No. (For Launching Shaft and Barging Point): GW-RE1106-20	29 Dec 2020	28 Apr 2021	Expired on 28 April 2021
CNP No.(For Junction of Hoi Bun Road, Wang Chiu Road and Cheung Yip Street): GW-RE0168-21	28 Feb 2021	22 Aug 2021	Valid
CNP No. (For Site Office and Support Area): GW-RE1126-20	14 Jan 2021	14 Jun 2021	Valid
CNP No. (For Portion Depressed Road): PP- RE0004-21	5 Feb 2021	3 Aug 2021	Valid
CNP No. (For Junction of Hoi Bun Road, Wang Chiu Road and Cheung Yip Street): GW-RE0267-21	22 Mar 2021	29 Apr 2021	Expired on 29 April 2021

Table 1.3Summary of Environmental License and Permit

Permit / License No.	Valid	Status			
rerinit / License No.	From	То	Status		
CNP No. (For Launching Shaft and Barging Point): GW-RE0342-21	28 Apr 2021	27 Oct 2021	Valid		
Wastewater Discharge License	Wastewater Discharge License				
WT00036183-2020 (For Depressed Road Area)	28 Jul 2020	31 Jul 2025	Valid		
WT00036228-2020 (For Launching Shaft)	28 Jul 2020	31 Jul 2025	Valid		
Chemical Waste Producer License					
WPN: 5213-286-B2557-03	09 Mar 2020	N/A	Valid		

2 AIR QUALITY

Monitoring Requirement

2.1 According to the EM&A Manual (AEIAR-174/2013), 24-hour Total Suspended Particulates (TSP) monitoring was conducted to monitor the air quality for this Project. For regular impact monitoring, a sampling frequency of at least once in every six days at all of the monitoring stations for 24-hour TSP monitoring. In case of complaints, 1-hour TSP monitoring should be conducted at least three times in every six days when the highest dust impacts are likely to occur. Appendix A shows the established Action/Limit Levels for the environmental monitoring works.

Monitoring Locations

- 2.2 Five designated monitoring stations were selected for air quality monitoring programme. Table2.1 describes the air quality monitoring locations, which are also depicted in Figure 2.
- 2.3 The monitoring location at Kai Tak area has been reviewed and updated to obtain the data with higher representative based on several conditions, such as distance between monitoring location and the sensitive receiver, non-project related interference, obstruction to the construction works on site and the power supply problem. The monitoring location KTD1a and KER1b has been updated to KTD1 and KER1 respectively, where are the original location as proposed in the EM&A manual (AEIAR-174/2013). And the monitoring location KTD2c was remained unchanged after the aforementioned review.

Monitoring Stations	Location			
KTD1	Centre of Excellence in Paediatrics (Children's Hospital)			
KTD2c	G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station)			
KER1	Future Residential Development at Kerry Godown			
CKL1	Flat 121 Cha Kwo Ling Village			
CKL2	Flat 103 Cha Kwo Ling Village			

Table 2.1 Air Quality Monitoring Locations

Monitoring Parameters and Frequency

2.4 **Table 2.2** summarizes the monitoring parameters, monitoring period and frequencies of impact air quality monitoring. The monitoring schedule is shown in **Appendix B**.

Table 2.2 Frequency and Farameters of Air Quanty Monitoring						
Monitoring Stations	Parameter	Period	Frequency			
KTD1, KTD2c, KER1, CKL1 & CKL2	1-hour TSP	0700 - 1900	3 times per 6 days (as required in case of complaints)			
KTD1, KTD2c, KER1, CKL1 & CKL2	24-hour TSP	24 hours	Once every 6 days			

Table 2.2 Frequency and Parameters of Air Quality Monitoring

Monitoring Equipment

- 2.5 High Volume Samplers (HVS) in compliance with the specification stipulated in the EM&A Manual (AEIAR-174/2013), Section 2.2.1.4, were used to carry out 24-hour TSP monitoring. Direct reading dust meter were also used to measure 1-hour average TSP levels. The 1-hour sampling was determined by HVS to check the validity and accuracy of the results measured by direct reading method.
- 2.6 Wind data monitoring equipment was set at rooftop (about 41/F) of Yau Lai Estate Bik Lai House, Lam Tin for logging wind speed and wind direction such that the wind sensors were clear of obstructions or turbulence caused by building. The wind data monitoring equipment was recalibrated at least once every six months and the wind directions were divided into 16 sectors of 22.5 degrees each. Wind data is attached in **Appendix D**.
- 2.7 **Table 2.3** summarizes the equipment used for air quality monitoring. Copies of calibration certificates are attached in **Appendix C**.

Equipment	Model	Quantity
HVS Sampler	TISCH Model: TE-5170 (Serial no. 0723,	5
H V S Sampler	1956, 10595, 1316, 5280)	5
Calibrator	TISCH Model: TE-5025A (Serial no. 3864)	1
Wind Anemometer	Davis Weather Monitor II, Model no. 7440	1
wind Anemometer	(Serial no. MC01010A44)	1

Table 2.3Air Quality Monitoring Equipment

Monitoring Methodology

1-hour TSP Monitoring

Measuring Procedures

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

(Sibata Model No.: LD-3B/LD-5R)

- The 1-hour dust meter is placed at least 1.3 meters above ground.
- Set POWER to "ON" and make sure that the battery level was not flash or in low level.
- Allow the instrument to stand for about 3 minutes and then the cap of the air sampling inlet has been released.
- Push the knob at MEASURE position.

- Set time/mode setting to [BG] by pushing the time setting switch. Then, start the background measurement by pushing the start/stop switch once. It will take 6 sec. to complete the background measurement.
- Push the time setting switch to change the time setting display to [MANUAL] at the bottom left of the liquid crystal display. Finally, push the start/stop switch to stop the measuring after 1 hour sampling.
- Information such as sampling date, time, count value and site condition were recorded during the monitoring period.

Maintenance/Calibration

- 2.9 The following maintenance/calibration is required for the 1-hour dust meter:
 - Check and calibrate the meter by HVS to check the validity and accuracy of the results measured by direct reading method at 2-month intervals throughout all stages of the air quality monitoring.

24-hour TSP Monitoring

Instrumentation

- 2.10 High volume samplers (HVS) (TISCH Model: TE-5170) complete with appropriate sampling inlets was employed for 24-hour TSP monitoring. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complied with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50). Moreover, the HVS also met all the requirements in Section 2.2 of the Annex II Specification.
- 2.11 The positioning of the HVS samplers are as follows:
 - A horizontal platform with appropriate support to secure the samplers against gusty wind shall be provided;
 - No two samplers shall be placed less than 2 meter apart;
 - The distance between the sampler and an obstacle, such as buildings, must be at least twice the height that the obstacle protrudes above the sampler;
 - A minimum of 2 metres of separation from walls, parapets and penthouses is required for rooftop samplers;
 - A minimum of 2 metres of separation from any supporting structure, measured horizontally is required;
 - No furnace or incinerator flue is nearby;
 - Airflow around the sampler is unrestricted;
 - The sampler is more than 20 metres from the dripline;
 - Any wire fence and gate, to protect the sampler, shall not cause any obstruction during monitoring;
 - Permission must be obtained to set up the samplers and to obtain access to the monitoring stations; and
 - A secured supply of electricity is needed to operate the samplers.

Operating/analytical procedures for the operation of HVS

- 2.12 Operating/analytical procedures for the air quality monitoring are highlighted as follows:
 - Prior to the commencement of the dust sampling, the flow rate of the high volume sampler was properly set (between 0.6 m³/min. and 1.7 m³/min.) in accordance with the EM&A manual (AEIAR-174/2013). The flow rate shall be indicated on the flow rate chart.
 - For TSP sampling, fiberglass filters with a collection efficiency of > 99% for particles of $0.3 \mu m$ diameter were used.
 - The power supply was checked to ensure the sampler worked properly. On sampling, the sampler was operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air monitoring station.
 - The filter holding frame was then removed by loosening the four nuts and a weighted and conditioned filter was carefully centered with the stamped number upwards, on a supporting screen.
 - The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.
 - The shelter lid was closed and secured with the aluminum strip.
 - The timer was then programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).
 - After sampling, the filter was removed and sent to the HOKLAS laboratory (High Precision Chemical Testing Ltd.) for weighing. The elapsed time was also recorded.
 - Before weighing, all filters were equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than ±3°C; the relative humidity (RH) should be < 50% and not vary by more than ±5%. A convenient working RH is 40%.

Maintenance/Calibration

- 2.13 The following maintenance/calibration is required for the HVS:
 - The high volume motors and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.
 - High volume samplers were calibrated at bi-monthly intervals using TE-5025A Calibration Kit throughout all stages of the air quality monitoring.

Results and Observations

- 2.14 Impact air quality monitoring was conducted at five monitoring stations as scheduled. The monitoring schedule is shown in **Appendix B**.
- 2.15 No Action and Limit Level exceedance was recorded for 24-hour TSP monitoring in the reporting month. Details of the exceedance are presented in **Appendix M**.
- 2.16 The air temperature, relative humidity, and the precipitation data were obtained from daily extracts of Hong Kong Observatory Climate Information Service. This weather information for the reporting month is summarized in **Appendix D**.
- 2.17 The monitoring data and graphical presentations of 24-hour TSP monitoring results are shown in **Appendix F**.
- 2.18 According to field observations observed in the reporting period, the major dust source identified at the designated air quality monitoring stations are as follows:

Monitoring Stations	Major Dust Source
KTD 1 - Centre of Excellence in	• Project related construction activities (i.e., Loading
Paediatrics (Children's Hospital)	and unloading of C&D wastes, sheet piling,
KTD 2c - G/IC Zone next to Kwun Tong	crushing of material);
Bypass (Next to the Kowloon Bay Sewage	• Vehicle movement in the site;
Interception Station	• Construction activities at the nearby construction
	sites of New Acute Hospital; and,
KER 1 – Future Residential Development	• Road traffic along Shing Fung Road, Shing Cheong
at Kerry Godown	Road, Cheung Yip Street, Kai Hing Road and
	Kwun Tong Bypass.
CKL1 - Flat 121 Cha Kwo Ling Village	Road Traffic along Cha Kwo Ling Road
CKL2 - Flat 103 Cha Kwo Ling Village	Road Traffic along Cha Kwo Ling Road

Table 2.4 Major Dust Source during Air Quality Monitoring

Comparison of EM&A Result with EIA Prediction

2.19 The air monitoring data was compared with the predictions in Table 4.14 of EIA Report, AEIAR-174/2013 (as approved in 2013) as summarised in **Table 2.6** for 24-hour TSP.

Table 2.6	Comparison of	24-hr TSP M	onitoring Data	with Predictions	in EIA Report

Monitoring Stations	ASR ID	Predicted Maximum 24-hr TSP Concentration in EIA Report (AEIAR- 174/2013), μg/m ³	Maximum 24-hr TSP Concentration in the Reporting Month (April 2021), µg/m ³
KTD 1 - Centre of Excellence in Paediatrics (Children's Hospital)	KTD3	126	173.0

Monitoring Stations	ASR ID	Predicted Maximum 24-hr TSP Concentration in EIA Report (AEIAR- 174/2013), μg/m ³	Maximum 24-hr TSP Concentration in the Reporting Month (April 2021), µg/m ³
KTD 2c - G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station	N/A ⁽¹⁾	N/A ⁽¹⁾	141.3
KER 1 – Future Residential Development at Kerry Godown	KTD6	169	127.2
CKL1 - Flat 121 Cha Kwo Ling Village	N/A ⁽¹⁾	N/A ⁽¹⁾	171.0
CKL2 - Flat 103 Cha Kwo Ling Village	N/A ⁽¹⁾	N/A ⁽¹⁾	160.3

Remarks:

(1) No 24-hr TSP concentration was predicted in EIA Report (AEIAR-174/2013)

2.20 In the reporting month the 24-hour TSP concentration at KER1 was lower than the prediction in the EIA Report, AEIAR-174/2013 (as approved in 2013). However, the 24-hour TSP concentration at KTD1 was higher than the prediction in the aforementioned EIA Report, which may due to the fluctuation of road traffic along Shing Cheong Road. No Action and Limit level exceedance for 24-hour TSP was recorded in the reporting period.

3 NOISE

Monitoring Requirements

3.1 According to the EM&A Manual (AEIAR-174/2013), construction noise monitoring was conducted to monitor the construction noise arising from the construction activities. The regular monitoring frequency for each monitoring station shall be on a weekly basis and conduct one set of measurements between 0700 and 1900 hours on normal weekdays. **Appendix A** shows the established Action and Limit Levels for the environmental monitoring works.

Monitoring Locations

- 3.2 Noise monitoring was conducted at five designated monitoring stations, namely KTD1, KTD2c, KER1, CKL1 and CKL2 in the reporting period. **Table 3.1** and **Figure 2** show the locations of these stations.
- 3.3 The monitoring location at Kai Tak area has been reviewed and updated to obtain the data with higher representative based on several conditions, such as distance between monitoring location and the sensitive receiver, non-project related interference, obstruction to the construction works on site and the power supply problem. The monitoring location KTD1a and KER1b has been updated to KTD1 and KER1 respectively, where are the original location as proposed in the EM&A manual (AEIAR-174/2013). And the monitoring location KTD2c was remained unchanged after the aforementioned review.

Monitoring Stations	Location		
KTD1	Centre of Excellence in Paediatrics (Children's Hospital)		
KTD2c	G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage		
KIDZC	Interception Station)		
KER1	Future Residential Development at Kerry Godown		
CKL1	Flat 121 Cha Kwo Ling Village		
CKL2	Flat 103 Cha Kwo Ling Village		

 Table 3.1
 Noise Monitoring Stations

Monitoring Parameters, Frequency and Duration

3.4 **Table 3.2** summarizes the monitoring parameters, frequency and total duration of monitoring. The noise monitoring schedule is shown in **Appendix B**.

1 abic 5.2	5.2 Frequency and rarameters of Noise Monitoring				
Monitoring Stations	Time Period	Duration	Frequency	Parameter	Measurement
KTD1					Façade Measurement
KTD2c				L ₁₀ (30 min.) dB(A)	Free Field Measurement
KER1	0700-1900 hrs on normal weekdays	30 minutes	Once per week	L ₉₀ (30 min.) dB(A)	Free Field Measurement
CKL1	weekdays			$L_{eq}(30 \text{ min.})$	Free Field Measurement
CKL2				dB(A)	Free Field Measurement

Table 3.2 Frequency and Parameters of Noise Monitoring

Monitoring Equipment

3.5 Integrating Sound Level Meter was used for impact noise monitoring. The meters were Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level (L_{eq}) and percentile sound pressure level (L_x) that also complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications. **Table 3.3** summarizes the noise monitoring equipment being used within the reporting period. Copies of calibration certificates are attached in **Appendix G**.

Equipment	Model	Quantity
Interneting Sound Loval Motor	SVAN 957 (Serial no. 23851)	1
Integrating Sound Level Meter	BSWA 308 (Serial no. 570183)	1
Calibrator	ST-120 (Serial no. 181001608,	2
Calibrator	181001636)	

Monitoring Methodology and QA/QC Procedure

- 3.6 The monitoring procedures are as follows:
 - The monitoring station was normally be at a point 1m from the exterior of the sensitive receivers building façade and be at a position 1.2m above the ground.
 - For free field measurement, the meter was positioned away from any nearby reflective surfaces. All records for free field noise levels were adjusted with a correction of +3 dB(A).
 - The battery condition was checked to ensure the correct functioning of the meter.
 - Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
 - Frequency weighting: A
 - Time weighting: Fast
 - Time measurement: 30 minutes
 - Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1.0 dB, the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.

- The wind speed was frequently checked with the portable wind meter.
- At the end of the monitoring period, the L_{eq}, L₉₀ and L₁₀ were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- Noise monitoring would be cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s. Supplementary monitoring would be provided to ensure sufficient data would be obtained.

Maintenance and Calibration

- 3.7 The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.
- 3.8 The sound level meter and calibrator were checked and calibrated at yearly intervals.
- 3.9 Immediately prior to and following each noise measurement the accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements were accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

Results and Observations

- 3.10 Impact noise monitoring was conducted at five monitoring stations as scheduled. The monitoring schedule is shown in **Appendix B**. No Action/ Limit Level exceedance was recorded for day time construction noise monitoring in the reporting month.
- 3.11 Noise monitoring results and graphical presentations are shown in Appendix H.
- 3.12 According to field observations observed in the reporting period, the major noise sources identified at the noise monitoring stations are shown in **Table 3.4**.

Monitoring Stations	Major Noise Source
	• Project related construction activities (Loading and unloading of
	C&D waste, travel of vehicles, use of PME and other plants, and
	other construction activities);
KTD 1	• Vehicle movement in the site;
	 Road traffic along Shing Fung Road; and,
	 Non-project related construction activities at the nearby
	construction site of New Acute Hospital.
	• Project related construction activities (Loading and unloading of
	C&D waste, travel of vehicles, use of PME and other plants, and
	other construction activities);
KTD 2c	• Vehicle movement in the site;
	 Road traffic alongKwun Tong By-pass; and,
	 Non-project related construction activities at the nearby
	construction site of New Acute Hospital
	 Road traffic along Kai Hing Road.
KER 1	• Project related construction activities (Travel of vehicles, use of
	PME and other plants, and other construction activities)
CKL1	Road traffic along Cha Kwo Ling Road.
CKL2	Road traffic along Cha Kwo Ling Road

Table 3.4Other Noise Source Identified during Noise Monitoring

3.13 The baseline noise level and the Noise Limit Level at each designated noise monitoring station are presented in **Table 3.5**.

Monitoring Stations	Baseline Noise Level, dB (A) (at 0700 – 1900 hrs on normal weekdays)	Noise Limit Level, dB (A) (at 0700 – 1900 hrs on normal weekdays)
KTD1	78	
KTD2c	64	
KER1	65	75
CKL1	72.4	
CKL2	71.4	

Table 3.5Baseline Noise Level and Noise Limit Level for Monitoring Stations

Comparison of EM&A Result with EIA Prediction

3.14 The noise monitoring data was compared with the predictions in Table 5.13 of EIA Report (AEIAR-174/2013) as summarised in **Table 3.6**.

Monitoring Stations	NSR ID	Maximum Predicted Mitigated Construction Noise Levels in EIA Report (AEIAR- 174/2013), dB(A)	Maximum Construction Noise Levels in the Reporting Month (April 2021), Leq (30min) dB(A)
KTD 1 - Centre of Excellence in Paediatrics	KTD1	74	70.9
(Children's Hospital)	KIDI	/4	/0.9
KTD 2c - G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station	N/A ⁽¹⁾	N/A ⁽¹⁾	72.6
KER 1 – Future Residential Development at Kerry Godown	KER1	75	72.8
CKL1 - Flat 121 Cha Kwo Ling Village	CKL4	71	70.4
CKL2 - Flat 103 Cha Kwo Ling Village	CKL5	69	73.5

 Table 3.6
 Maximum Predicted Mitigated Construction Noise Levels in EIA Report

Remarks:

(1) No Maximum Predicted Mitigated Construction Noise Levels was predicted in EIA Report (AEIAR-174/2013)

3.15 The results at CKL2 were higher than the maximum predicted mitigated construction noise level in the EIA Report, AEIAR-174/2013 (as approved in 2013), this may be due to fluctuations of traffic flow along Cha Kwo Ling Road throughout the day. Besides, the result at KTD1, KER1 and CKL1 were lower than the maximum predicted mitigated construction noise level in the EIA Report. No Action/ Limit Level exceedance were recorded in the reporting period.

4 WATER QUALITY

Monitoring Requirement

- 4.1 According to Section 4.3.1.1 of EM&A Manual (AEIAR-174/2013), no water quality monitoring is required during the construction phase.
- 4.2 According to Section 4.3.1.5 of EM&A Manual (AEIAR-174/2013), compliance site audits are to be undertaken by the Engineer and ET and escorted by the Contractor to ensure that a valid discharge license has been issued by the EPD prior to the discharge of the effluent from the construction activities of the Project site. Monitoring of the quality of the treated effluent from the works areas should be carried out in accordance with the Water Pollution Control Ordinance (WPCO) license. The audit results reflect whether the effluent quality is in compliance with the discharge license requirements, the summaries of site audits are attached in **Appendix I**.
- 4.3 In the event of non-compliance the responsibilities of the relevant parties is detailed in the Event / Action plan attached in **Appendix J**.

5 MARINE ECOLOGY

- 5.1 According to Section 5.3.1.1 of EM&A Manual (AEIAR-174/2013), ET will be required to undertake audit of good site practice for habitat protection as detailed below. The summaries of site audits are attached in **Appendix I**.
 - Avoid damage and disturbance to the remaining and surrounding natural habitat;
 - Ensure placement of equipment is within designated areas within the existing disturbed land;
 - Ensure construction activities are restricted to within the proposed works boundary;
 - Ensure spoil heaps are be covered at all times;
 - Ensure that disturbed areas are reinstated immediately after completion of the works; and
 - Ensure enhancement planting works undertaken.

6 FISHERIES

- 6.1 According to Section 6.3.1.2 of EM&A Manual (AEIAR-174/2013), no specific fisheries monitoring and audit programme is required during the construction phase.
- 6.2 The implementation of the water quality mitigation measures stated in the Water Quality Impact Assessment (Refer to Section 6 of the EIA Report (AEIAR-174/2013)) will be audited as part of the EM&A procedures during the construction period and the details are presented in Section 4.2 of this Report. The summaries of site audits are attached in Appendix I.

7 LANDSCAPE AND VISUAL

7.1 According to the EM&A Manual (AEIAR-174/2013), a series of mitigation measures were recommended to ameliorate the landscape and visual impacts of the Project. The mitigation measures for construction stage are summarized in Table 7.1 below and provided in Appendix K:

ID No.	Landscape and Visual Mitigation Measure
CM1	All works shall be carefully designed to minimize impacts on existing landscape resources and visually sensitive receivers. Existing trees within works area shall be retained and protected.
CM2	Existing trees of good quality and condition that are unavoidably affected by the works should be transplanted.
CM3	Not used.
CM4	Not used.
CM5	Large temporary stockpiles of excavated material shall be covered with unobtrusive sheeting to prevent dust and dirt spreading to adjacent landscape areas and vegetation, and to create a neat and tidy visual appearance.
CM6	Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance
CM7	Erection of decorative screen hoarding should be designed to be compatible with the existing urban context.
CM8	All lighting in construction site shall be carefully controlled to minimize light pollution and night-time glare to nearby residences and GIC user. The contractor shall consider other security measures, which shall minimize the visual impacts.

 Table 7.1
 Construction Phase Landscape and Visual Mitigation Measures

- 7.2 A specialist Landscape Sub-Contractor should be employed by the Contractor for the implementation of landscape construction works and subsequent maintenance operations during the establishment period. It is proposed that the planting works will be on-site and the planting should be completed during the construction contract. The monitoring of the planting establishment should be undertaken for a 12 month period which could extend throughout the Contractor's one-year maintenance period, which will be within the first operational year of the Project.
- 7.3 All measures undertaken by both the Contractor and the specialist Landscape Sub-Contractor during the construction phase and first year of the operational phase shall be audited by a Registered Landscape Architect (RLA), as a member of the Environmental Team (ET), on a regular basis to ensure compliance with the intended aims of the measures. To fulfil the aforementioned requirements, on-site landscape and visual mitigation measures were audited by

RLA in the reporting month.

- 7.4 According to Section 7.3.1.2 of the EM&A Manual (AEIAR-174/2013), site audits shall be undertaken at least once every two weeks throughout the construction period to monitor and audit the timely implementation of landscape and visual mitigation measures within the site boundaries of this Project.
- 7.5 The broad scope of the audit is detailed below but should also be undertaken with reference to the more specific checklist provided in **Table 7.2**. The summaries of site audits are attached in **Appendix I**:
 - The extent of the agreed works areas should be regularly checked during the construction phase. Any trespass by the Contractor outside the limit of the works, including any damage to existing trees and soft landscape areas shall be prohibited;
 - the progress of the engineering works should be regularly reviewed on site to identify the earliest practical opportunities for the landscape works to be undertaken;
 - all existing trees and vegetation within the study area which are not directly affected by the works are retained and protected;
 - the methods of protecting existing vegetation proposed by the Contractor are acceptable and enforced;
 - preparation, lifting transport and re-planting operations for any transplanted trees;
 - all landscaping works are carried out in accordance with the specifications;
 - the planting of new trees, shrubs, groundcover, climbers, ferns, grasses and other plans, together with the replanting of any transplanted trees are carried out properly and within the right season; and
 - all necessary horticultural operations and replacement planting are undertaken throughout the Establishment Period to ensure the healthy establishment and growth of both transplanted trees and all newly established plants.

Table 7.2Construction Phase Audit Checklist for Landscape and Visual Mitigation
Measures

Area of Works	Items to be Monitored
Advance planting	Monitoring of implementation and maintenance of planting, and against possible incursion, physical damage, fire, pollution, surface erosion, etc.

Area of Works	Items to be Monitored
Protection of all trees and existing soft landscape areas to be retained	Identification and demarcation of trees / vegetation to be retained, erection of physical protection (e.g. fencing), monitoring against possible incursion, physical damage, fire, pollution, surface erosion, etc.
Clearance of existing vegetation	Identification and demarcation of trees / vegetation to be cleared, checking of extent of works to minimise damage, monitoring of adjacent areas against possible incursion, physical damage, fire, pollution, surface erosion, etc.
Pruning of trees	Identification and demarcation of trees / vegetation to be pruned, monitoring of extent of pruning to minimise damage, timing of operations, implementation of all stages of preparatory and pruning works, and maintenance of pruned vegetation, etc.
Plant supply	Monitoring of operations relating to the supply of specialist plant material (including the collecting, germination and growth of plants from seed) to ensure that plants will be available in time to be used within the construction works.
Soiling, planting, etc.	Monitoring of implementation and maintenance of soiling and planting works and against possible incursion, physical damage, fire, pollution, surface erosion, etc.
Site fencing and hoarding	Implementation and maintenance, to ensure compliance with agreed designs and check that it matches the surrounding environment and does not cause visual intrusion.
Architectural treatment of engineering works.	Implementation and maintenance of mitigation measures, to ensure compliance with agreed designs as applicable.
Establishment Works	Monitoring of implementation of maintenance operations during Establishment Period.

- 7.6 In the event of non-compliance the responsibilities of the relevant parties is detailed in the Event / Action plan attached in **Appendix J**.
- 7.7 In the reporting month, no non-compliance of the landscape and visual mitigation measures was recorded by RLA.

8 CULTURAL HERITAGE

- 8.1 According to Section 8.3.1.1 of EM&A Manual (AEIAR-174/2013), as a precautionary measure, it is recommended that if any antiquity or supposed antiquity is discovered during the course of the excavation works undertaken by the Contractor, the discovery shall be reported to the AMO immediately and all necessary measures taken to preserve it.
- 8.2 According to Section 8.3.1.2 of EM&A Manual (AEIAR-174/2013), no EM&A is required during the construction and operational phase.

9 WASTE MANAGEMENT

- 9.1 According to Section 9.3.1.1 of EM&A Manual (AEIAR-174/2013), the effective management of waste arisings during the construction phase will be monitored through the site audit programme. Regular audits and site inspections should be carried out by the Engineer, ET and Contractor to ensure that the recommended good site practices and other mitigation measures are implemented by the Contractor. The summaries of site audits are attached in **Appendix I**.
- 9.2 According to Sections 9.3.1.3 and 9.3.1.4 of EM&A Manual (AEIAR-174/2013), documents including licenses, permits, disposal and recycling records should be reviewed and audited during site audits for the compliance with the legislation and contract requirements to ensure proper records are being maintained and procedures undertaken in accordance with the Waste Management Plan.
- 9.3 With reference to the relevant handing records of this Project, the quantities of different types of waste generated in the reporting month are summarized and presented in the **Appendix O**.

10 ENVIRONMENTAL AUDIT

Site Audits

- 10.1 Site audits were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site. The summaries of site audits are attached in **Appendix I**.
- 10.2 Site audits were conducted on 01, 08, 15, 23 and 29 April 2021 in the reporting month. Site inspection of the IEC was conducted on 15 April 2021. No non-compliance was observed during the site audit.

Implementation Status of Environmental Mitigation Measures

- 10.3 According to Environmental Permits, the approved EIA Reports (Register No.: AEIAR-174/2013 and AEIAR-173/2013), and the EM&A Manuals of the Project (AEIAR-174/2013 and AEIAR-173/2013), the mitigation measures detailed in the documents are recommended to be implemented during the construction phase. An Environmental Mitigation Implementation Schedule (EMIS) is provided in **Appendix K**.
- 10.4 The ET weekly site inspections were carried out during the reporting month and the observations and recommendations are summarized in **Table 10.1**. Refer to **Appendix I** for the site inspection summary reports in the reporting month.

Parameters	Date	Observations and Recommendations	Follow-up
Air Quality	N/A	There was no observation in the reporting period.	N/A
Noise	N/A	There was no observation in the reporting period.	N/A
Water Quality	01 Apr 2021	Surface runoff should be treated before discharge outside the site.	Contractor has immediately discussed with the on-site inspector and update the drainage system.
Ecology	N/A	There was no observation in the reporting period.	N/A
Landscape and Visual	N/A	There was no observation in the reporting period.	N/A
Waste / Chemical Management	N/A	There was no observation in the reporting period.	N/A
Permits /Licences	N/A	There was no observation in the reporting period.	N/A

 Table 10.1
 Observations and Recommendations of Site Audit

Implementation Status of Event and Action Plans

10.5 The Event and Action Plans for air quality, construction noise, and landscape and visual are presented in **Appendix J**.

Air Quality Monitoring

• No Action and Limit Level exceedance for 24-hour TSP monitoring was recorded.

Construction Noise Monitoring

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

Landscape and Visual

• No landscape and visual non-conformity was recorded.

Status of Required Submission under Environmental Permit

10.6 According the Section 11.3.2.1 (c) of the EM&A Manual (AEIAR-174/2013), status of required submission under EP-451/2013 during the reporting period are summarized in **Table 10.2**.

EP Condition	Submission	Submission Date
EP-451/2013		
Condition 2.3	Management Organization of Main Construction Companies	20 January 2020
Condition 2.4	Design Drawing of the Project	20 January 2020
Condition 2.5	Landscape Mitigation Plan(s)	7 May 2020
Condition 2.10 (a)	Supplementary Contamination Assessment Plan	18 December 2015
Condition 2.10 (b)	Supplementary Contamination Assessment Report	6 December 2016
Condition 3.3	Updated Baseline Monitoring Report	03 November 2020
Condition 3.4	Monthly EM&A Report (March 2021)	14 April 2021

11 ENVIRONMENTAL NON-CONFORMANCE

Summary of Complaint, Warning, Notification of any Summons and Successful Prosecution

11.1 The summaries of environmental complaint, warning, summon and notification of successful prosecution for the Project is presented in **Appendix L**.

Summary of Exceedance

- 11.2 The summary of exceedance record in the reporting month is shown in Appendix M.
- 11.3 No non-conformity was recorded for landscape and visual inspections conducted in the reporting month.

12 FUTURE KEY ISSUES

Tentative construction programmes for the next three months are provided in Appendix N.

- 12.1 Major site activities undertaken for the coming months are summarized as follows:
 - Depressed Road South Apron Adit Wall
 - Depressed Road DCS Pipes Installation
 - West Ventilation Building Steel Deck Erection
 - Launching Shaft VSL Ground Beam
 - Launching Shaft VSL Gantry Crane Setup
 - S5 Steel Strut
 - S6 Steel Strut
 - Section 6A Junction RC Structure
 - Road L10 (North) Excavation
 - District Cooling System (DCS) Section 7B
 - Workshop Assembly
 - STP Assembly
- 12.2 Key environmental issues in the coming months include:
 - Wheel washing bay at site exits;
 - Temporary noise barriers for PMEs;
 - Sedimentation tank for settling muddy water; and
 - Make sure open stockpiles are covered during rainstorm.

Monitoring Schedule

12.3 The tentative environmental monitoring schedule for the next three months are shown in **Appendix B**.

13 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

13.1 This is the 14th Monthly EM&A Report which presents the EM&A works undertaken during the reporting month in accordance with the EM&A Manual (AEIAR-174/2013) and the requirement under EP.

Air Quality Monitoring

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

Construction Noise Monitoring

- 13.3 No Limit Level exceedance was recorded for day-time construction noise monitoring in the reporting month.
- 13.4 No Action Level exceedance was recorded in the reporting month.

Site Audit

13.5 5 ET joint weekly environmental site inspections were conducted in the reporting month.

Complaint, Notification of Summons and Successful Prosecution

13.6 No environmental complaint was received in the reporting month. No notifications of summons and successful prosecutions were received in the reporting month.

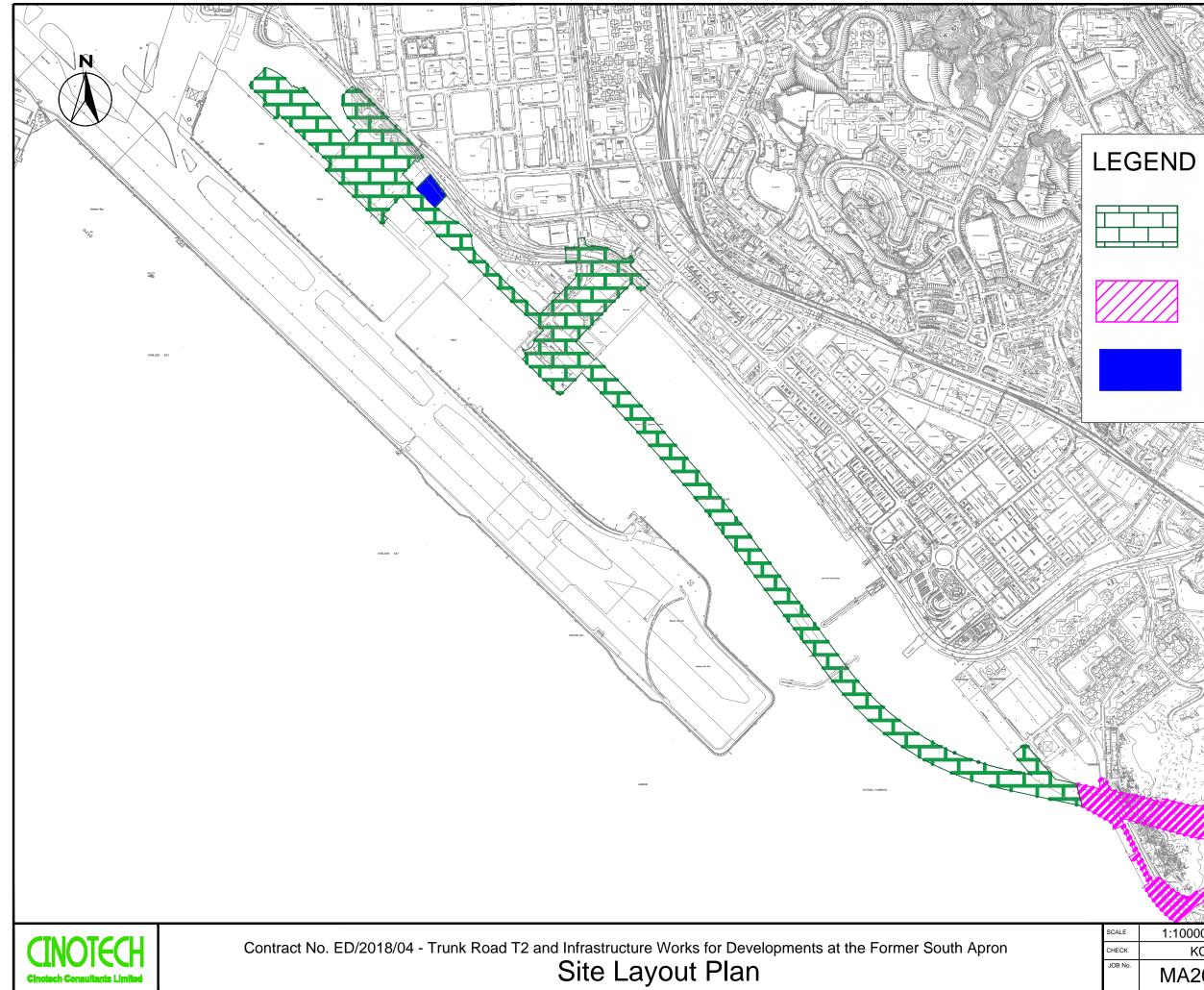
Recommendations

13.7 According to the environmental audit performed in the reporting month, the following recommendations was made:

Water Quality

• Surface runoff from construction site should be treated so that it satisfies all the standards before discharge into storm drains.

FIGURES



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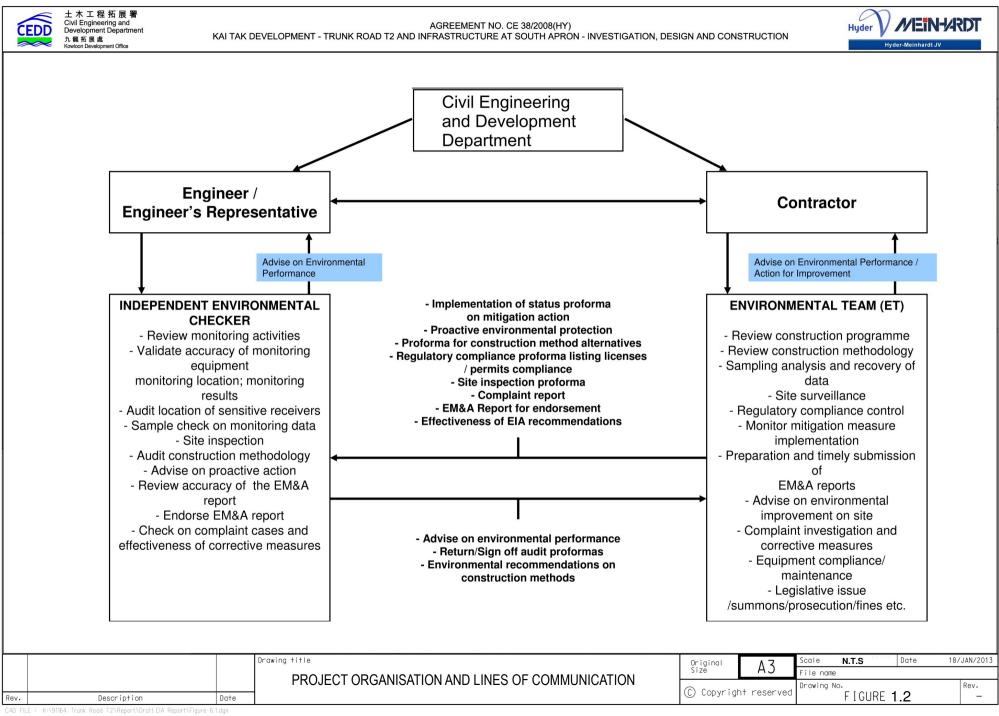
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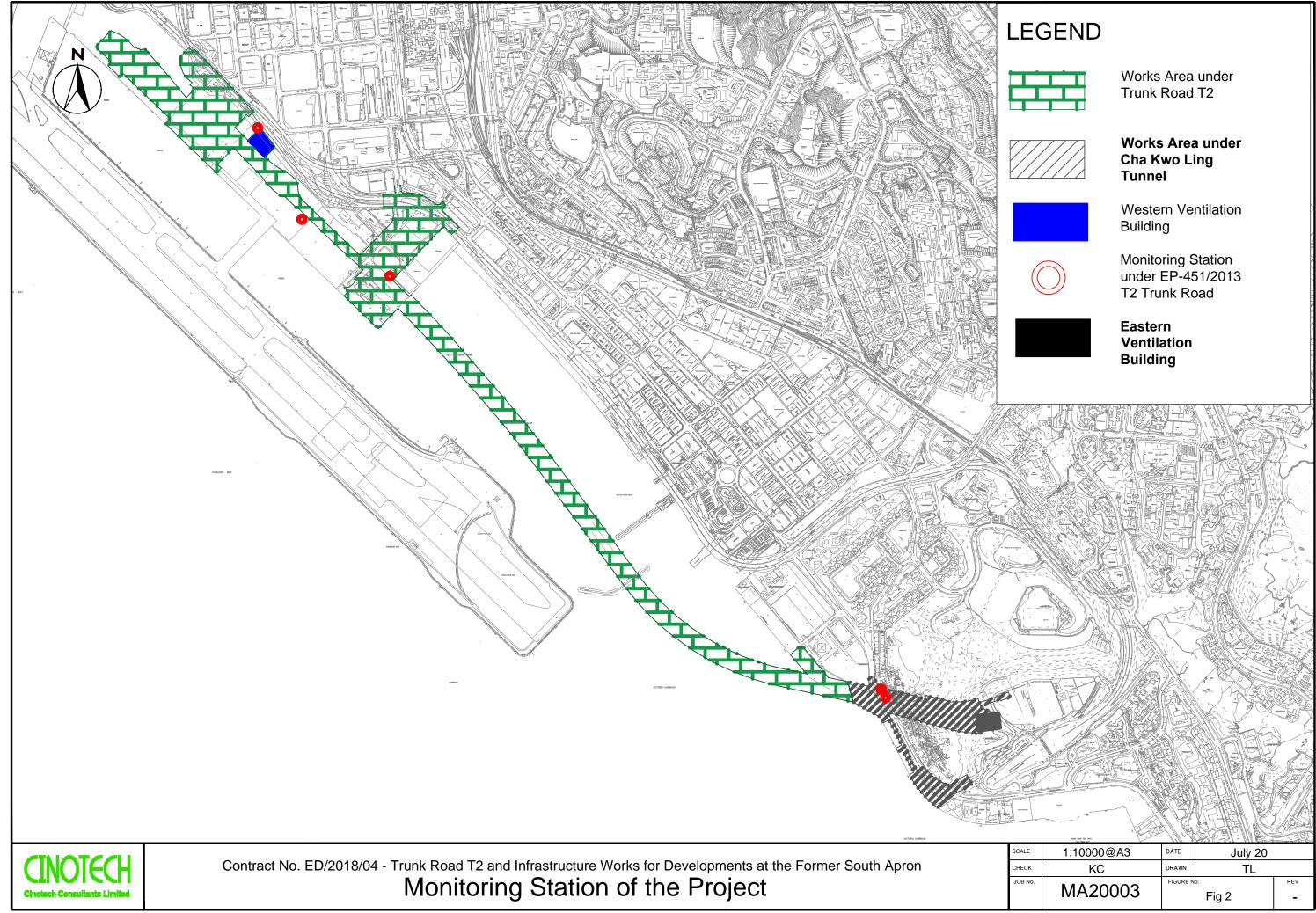
Works Area under Trunk Road T2

Works Area under Cha Kwo Ling Tunnel

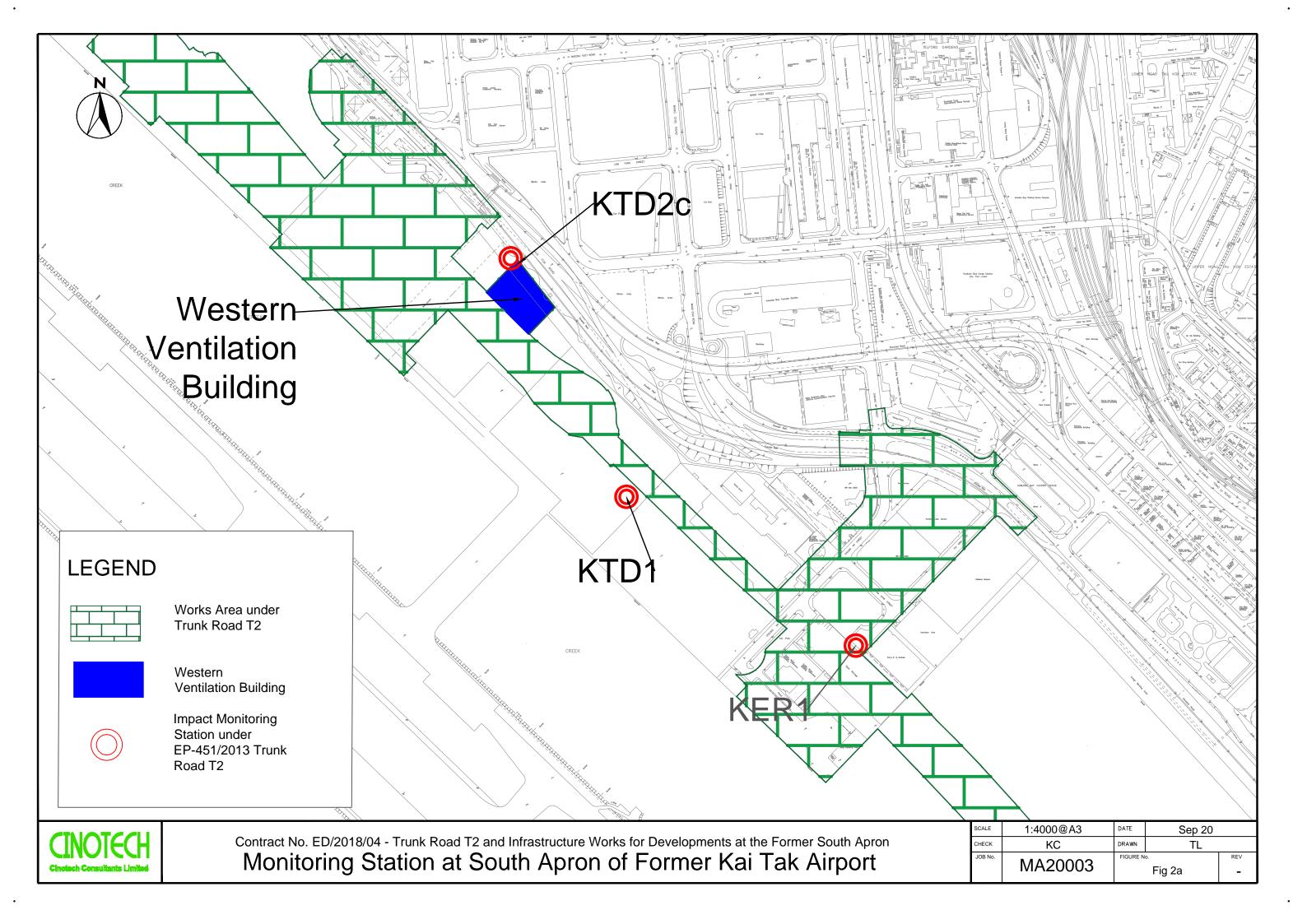
Ventilation Building

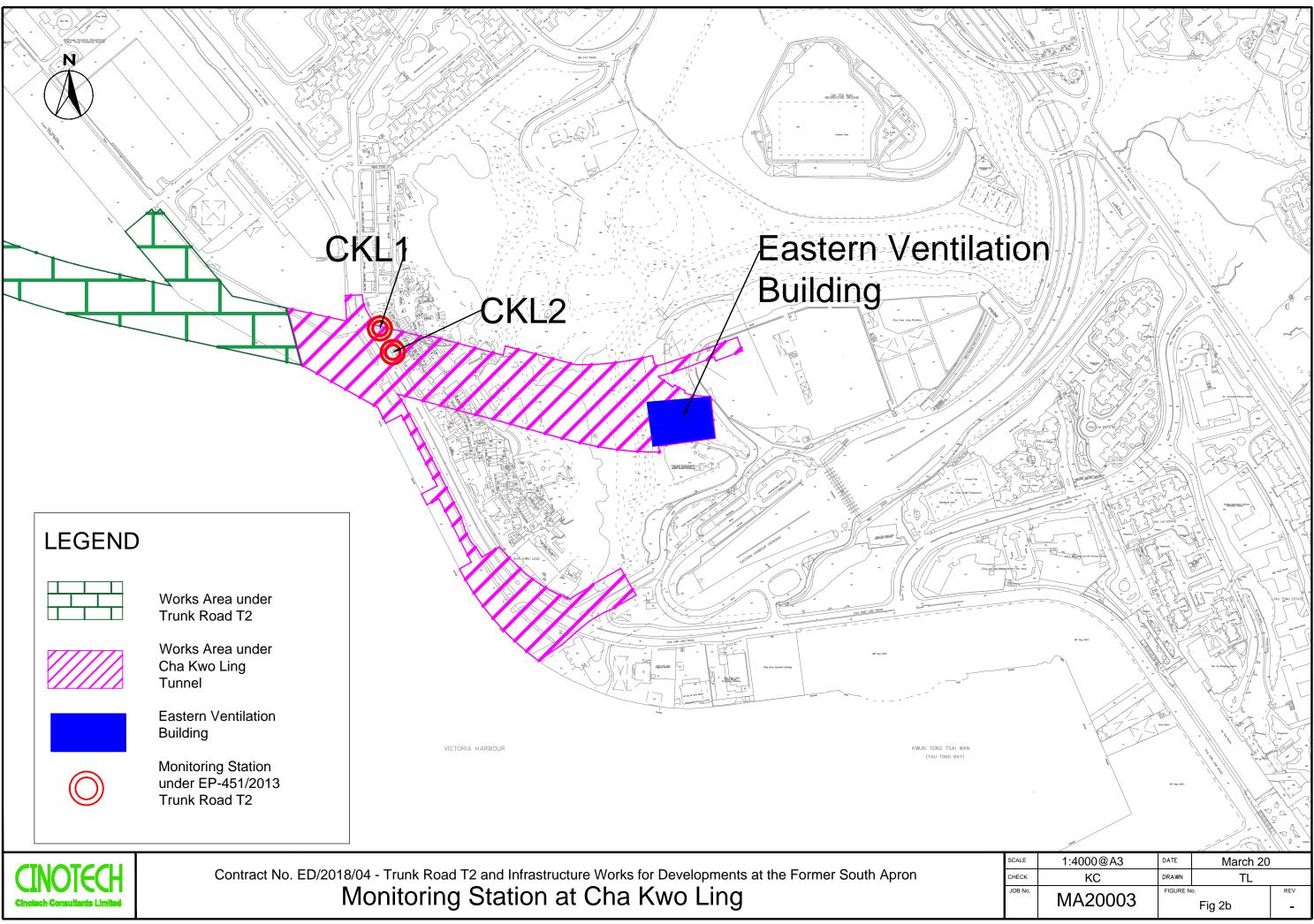
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APPENDIX A ACTION AND LIMIT LEVELS

Appendix A - Action and Limit Levels

Location	Action Level, μg/m ³	Limit Level, µg/m ³
KTD1	285	
KTD2c	279	
KER1	295	500
CKL1	323	
CKL2	327	

 Table A-1
 Action and Limit Levels for 1-hour TSP (in case of complaints)

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

Location	Action Level, µg/m ³	Limit Level, µg/m ³
KTD1	177	
KTD2c	157	
KER1	172	260
CKL1	191	
CKL2	183	

Table A-3 Action and Limit Levels for Noise during Construction Period

Time Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays	When one documented complaint is received	75 dB(A) ⁽¹⁾

Note:

(1) If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

APPENDIX B ENVIRONMENTAL MONITORING SCHEDULES

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Apr	2-Apr	3-Арі
				Noise 24-hr TSP		
4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	10-Ap
			Noise 24-hr TSP			
11-Apr	12-Apr	13-Apr	14-Apr	15-Apr	16-Apr	17-Ap
	•		[^]	[^]	[^]	•
	24-hr TSP	Noise				24-hr TSP
19.4	10. 4	20 4.5	21.4.5	22. 4	22. 4.1.1	24.4
18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	23-Apr	24-Ap
	Noise			24-hr TSP		
25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	
			24-hr TSP	Noise		

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Impact Air and Noise Monitoring Schedule (April 2021)

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

*Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2c, KER1, CKL1 and CKL2)

**24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2c, KER1, CKL1 and CKL2)

Air Quality Monitoring Station

- 24-hr TSP
- KTD1 Centre of Excellence in Paediatrics (Children's Hospital)
- KTD2c G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station)
- KER1 Future Residential Development at Kerry Godown
- CKL1 Flat 121 Cha Kwo Ling Village
- CKL2 Flat 103 Cha Kwo Ling Village

Noise Monitoring Station

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital) KTD2c - G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station) KER1 - Future Residential Development at Kerry Godown CKL1 - Flat 121 Cha Kwo Ling Village CKL2 - Flat 103 Cha Kwo Ling Village

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1-May
2-May	3-May	4-May	5-May	6-May	7-May	8-May
		24.1 TOD	Noise			
		24-hr TSP				
9-May	10-May	11-May	12-May	13-May	14-May	15-May
	241 700	Noise				241 700
	24-hr TSP					24-hr TSP
16-May	17-May	18-May	19-May	20-May	21-May	22-May
	Noise			241 700		
				24-hr TSP		
23-May	24-May	25-May	26-May	27-May	28-May	29-May
			241 500	Noise		
			24-hr TSP			
30-May	31-May					
	11		othon acfatry component at			

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Tentative Impact Air and Noise Monitoring Schedule (May 2021)

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.) *Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2c, KER1, CKL1 and CKL2)

**24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2c, KER1, CKL1 and CKL2)

Air Quality Monitoring Station

24-hr TSP

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital)

KTD2c - G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station)

KER1 - Future Residential Development at Kerry Godown

CKL1 - Flat 121 Cha Kwo Ling Village

CKL2 - Flat 103 Cha Kwo Ling Village

Noise Monitoring Station

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital) KTD2c - G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station) KER1 - Future Residential Development at Kerry Godown CKL1 - Flat 121 Cha Kwo Ling Village CKL2 - Flat 103 Cha Kwo Ling Village

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

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Tentative Impact Air and Noise Monitoring Schedule (June 2021)

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

*Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2c, KER1, CKL1 and CKL2)

**24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2c, KER1, CKL1 and CKL2)

Air Quality Monitoring Station

- 24-hr TSP
- KTD1 Centre of Excellence in Paediatrics (Children's Hospital)
- KTD2c G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station)
- KER1 Future Residential Development at Kerry Godown
- CKL1 Flat 121 Cha Kwo Ling Village
- CKL2 Flat 103 Cha Kwo Ling Village

Noise Monitoring Station

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital) KTD2c - G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station) KER1 - Future Residential Development at Kerry Godown CKL1 - Flat 121 Cha Kwo Ling Village CKL2 - Flat 103 Cha Kwo Ling Village

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

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Tentative Impact Air and Noise Monitoring Schedule (July 2021)

Wednesday

Thursday

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

*Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2c, KER1, CKL1 and CKL2)

**24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2c, KER1, CKL1 and CKL2)

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Air Quality Monitoring Station

Sunday

Mandari

- 24-hr TSP
- KTD1 Centre of Excellence in Paediatrics (Children's Hospital)
- KTD2c G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station)
- KER1 Future Residential Development at Kerry Godown
- CKL1 Flat 121 Cha Kwo Ling Village
- CKL2 Flat 103 Cha Kwo Ling Village

Noise Monitoring Station

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital) KTD2c - G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station) KER1 - Future Residential Development at Kerry Godown CKL1 - Flat 121 Cha Kwo Ling Village CKL2 - Flat 103 Cha Kwo Ling Village

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APPENDIX C COPIES OF CALIBRATION CERTIFICATES FOR AIR QUALITY MONITORING

Project No.	CKL 1 - Flat 12	21 Cha Kwo Ling	g Village				
Date:	6-N	far-21	Next Due Date:	6-May-21	Operator:	SK	
Equipment No.:	:		Model No.:	TE 5170	Serial No	0723	
			Ambient Condi	ition			
Temperatu	ıre, Ta (K)	293.7	Pressure, Pa (mml	Hg)	762.9		

File No. MA20003/18/0007

Orifice Transfer Standard Information								
Serial No. 3864 Slope, mc 0.05846 Intercept, bc -0.00313								
Last Calibration Date:	11-Jan-21		mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$					
Next Calibration Date:	11-Jan-22	Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc						

		Calibration of	f TSP Sampler			
		Orfice	- 181 Sumptor		HVS	
Calibration Point	ΔH (orifice), in. of water	$[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water		760) x (298/Ta)] ^{1/2} Y- axis
1	13.6	3.72	63.72	10.2		3.22
2	11.3	3.39	58.09	7.7		2.80
3	8.5	2.94	50.38	6.0		2.47
4	5.3	2.32	39.80	3.4		1.86
5	3.1	1.78	30.45	1.8		1.35
Slope, mw =	ression of Y on X 0.0550		Intercept, bw	-0.324	15	
	coefficient* =	0.9983	_			
*If Correlation (Coefficient < 0.99	0, check and recalibrate.				
			Calculation			
		urve, take Qstd = 43 CFM				
From the Regres	ssion Equation, the	e "Y" value according to				
		mw x Qstd + bw = $[\Delta W$	x (Pa/760) x (2	298/Ta)] ^{1/2}		
Therefore, S	et Point; W = (my	$w \ge (760 / Pa) =$	Ta / 298) =	4.09)	
Remarks:						
Conducted by:	SK Wong	Signature:	U'		Date:	6 March 2021
Checked by:	Henry Leung	Signature:	hay		Date:	6 March 2021

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293.7

Temperature, Ta (K)

File No. MA20003/55/0007

762.9

Project No.	CKL 2 - Flat 103 Cha Kwo	Ling Village			
Date:	6-Mar-21	Next Due Date:	6-May-21	Operator:	SK
Equipment No.:	A-01-55	Model No.:	TE 5170	Serial No.	1956
		Ambient Condit	ion		

Pressure, Pa (mmHg)

Orifice Transfer Standard Information								
Serial No.	3864	64 Slope, mc 0.05846 Intercept, bc -0.00313						
Last Calibration Date:	11-Jan-21	1	mc x Qstd + bc = $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$					
Next Calibration Date:	11-Jan-22	Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc						

		Calibration of	TSP Sampler			
Calibration		Orfice			HVS	5
Point	ΔH (orifice), in. of water	$[\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	[ΔW x ()	Pa/760) x (298/Ta)] ^{1/2} Y-axis
1	13.8	3.75	64.18	9.6		3.13
2	11.3	3.39	58.09	7.3		2.73
3	8.4	2.92	50.09	5.8		2.43
4	5.2	2.30	39.42	3.5		1.89
5	2.8	1.69	28.94	2.0		1.43
	coefficient* =	0.9980 0, check and recalibrate.	Intercept, bw = -	0.039	8	_
		Set Point C	alculation			
		urve, take Qstd = 43 CFM				
		e "Y" value according to $\mathbf{mw} \mathbf{x} \mathbf{Qstd} + \mathbf{bw} = [\Delta \mathbf{W}]$. , .	/ -		
Therefore, So	et Point; W = (mv	$(x + bw)^2 x (760 / Pa) x ($	Ta / 298) =	4.23		
Remarks:						
Conducted by:	SK Wong	Signature:			Date:	6 March 2021
Checked by:	Henry Leung	Signature:	La		Date:	6 March 2021

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Temperature, Ta (K)

294.9

File No. MA20003/04/0005

762

Project No.	KER 1 - Future Residential I	Development at Kerry Godov	vn		
Date:	1-Apr-21	Next Due Date:	1-Jun-21	Operator:	SK
Equipment No.:	A-01-04	Model No.:	TE 5170	Serial No.	10595
		Ambient Condit	ion		

Pressure, Pa (mmHg)

Orifice Transfer Standard Information								
Serial No. 3864 Slope, mc 0.05846 Intercept, bc -0.00313								
Last Calibration Date:	11-Jan-21	1	mc x Qstd + bo	$c = [\Delta H x (Pa/760) x (298/Ta)]$] ^{1/2}			
Next Calibration Date: 11-Jan-22 $Qstd = \{[\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2} - bc\} / mc$								

		Calibration of	TSP Sampler			
Calibration		Orfice	•		HVS	
Calibration Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	[ΔW x (Pa	/760) x (298/Ta)] ^{1/2} Y-axis
1	13.2	3.66	62.61	8.0		2.85
2	10.8	3.31	56.64	6.3		2.53
3	8.2	2.88	49.36	4.8		2.21
4	4.8	2.21	37.78	2.9		1.71
5	2.8	1.68	28.86	1.9		1.39
Slope , mw = Correlation	ession of Y on X 0.0430 coefficient* = Coefficient < 0.990	0.9983 0, check and recalibrate.	Intercept, bw = 	0.114	1	-
		Set Point (Calculation			
		urve, take Qstd = 43 CFM				
		w x Qstd + bw = $[\Delta W$ v x Qstd + bw $)^2$ x (760 / Pa) x (98/Ta)] ^{1/2} 3.80		_
Remarks:						
Conducted by:	SK Wong	Signature:	L.		Date:	1 April 2021
Checked by:	Henry Leung	Signature:	Xoz		Date:	1 April 2021

File No. MA20003/44/0006

Project No.	KTD1 - Centre of Excellence	in Paediatrics (Children's H	ospital)		
Date:	1-Apr-21	Next Due Date:	1-Jun-21	Operator:	SK
Equipment No.:	A-01-44	Model No.:	TE-5170	Serial No.	1316

	Ambient Condition					
Temperature, Ta (K)	294.9	Pressure, Pa (mmHg)	762			

	Orifice Transfer Standard Information						
Serial No.	Serial No. 3864 Slope, mc 0.05846 Intercept, bc -0.00313						
Last Calibration Date:	11-Jan-21	1	mc x Qstd + bo	$c = [\Delta H x (Pa/760) x (298/Ta)]$] ^{1/2}		
Next Calibration Date:	Next Calibration Date: 11-Jan-22 $Qstd = \{[\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2} - bc\} / mc$						

		Calibration of	TSP Sampler		
Calibration		Orfice			HVS
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis
1	13.1	3.64	62.37	9.0	3.02
2	10.5	3.26	55.85	6.8	2.62
3	7.9	2.83	48.45	5.3	2.32
4	5.9	2.44	41.88	3.4	1.86
5	3.0	1.74	29.88	1.8	1.35
Slope , mw = Correlation	coefficient* =	0.9968	Intercept, bw = _	-0.228	33
*If Correlation C	Coefficient < 0.990	0, check and recalibrate.			
		Set Point C	alculation		
From the TSP Fi	eld Calibration Cu	urve, take Qstd = 43 CFM			
From the Regres	sion Equation, the	e "Y" value according to			
Therefore, Se	et Point; W = (mv	$\mathbf{mw} \mathbf{x} \mathbf{Qstd} + \mathbf{bw} = [\Delta \mathbf{W} \mathbf{x}]$ w x Qstd + bw) ² x (760 / Pa) x (. , .		
Remarks:					
Conducted by:	SK Wong	Signature:			Date: <u>1 April 2021</u>
Checked by:	Henry Leung	Signature:C	hoy		Date: 1 April 2021

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File No. MA20003/41/0005

Project No.	KTD 2c - G/IC	Zone next to Kw	vun Tong Bypass (Next to	the Kowloor	Bay Sewage Interception S	tation)
Date:	1-A	pr-21	Next Due Date:	1-Jun-2	21 Operator:	SK
Equipment No.:	A-	01-41	Model No.:	TE 517	70 Serial No.	5280
			Ambient Condition	on		
Temperatu	re, Ta (K)	294.9	Pressure, Pa (mmF	Ig)	762	

	Orifice Transfer Standard Information							
Serial No.	Serial No. 3864 Slope, mc 0.05846 Intercept, bc -0.00313							
Last Calibration Date:	11-Jan-21	1	mc x Qstd + bo	$c = [\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]$] ^{1/2}			
Next Calibration Date:								

		Calibration of	TSP Sampler		
Calibration		Orfice			HVS
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis
1	13.2	3.66	62.61	7.5	2.76
2	10.8	3.31	56.64	6.0	2.46
3	7.8	2.81	48.14	4.6	2.17
4	5.4	2.34	40.06	3.5	1.89
5	2.6	1.62	27.82	2.0	1.42
Slope , mw = Correlation	ession of Y on X 0.0375 coefficient* = Coefficient < 0.990		Intercept, bw [;] -	0.372	8
From the TSP Fi	eld Calibration Cu	Set Point C urve, take Qstd = 43 CFM	alculation		
	-	$\mathbf{w} = \mathbf{W} + \mathbf{w} = \mathbf{A} \mathbf{W} + \mathbf{b} \mathbf{w} = \mathbf{A} \mathbf{W} + \mathbf{b} \mathbf{w} = \mathbf{A} \mathbf{W} + \mathbf{b} $			
Remarks:					
Conducted by:	SK Wong	Signature:			Date: 1 April 2021
Checked by:	Henry Leung	Signature:	hay		Date: 1 April 2021





Certificate of Calibration

			Calibration	Certificati	on Informat	tion		
Cal. Date:	January 11	, 2021	Roots	meter S/N:	438320	Ta:	297	°К
Operator:	Jim Tisch					Pa:	750.1	mm Hg
Calibration	Model #:	TE-5025A	Calil	brator S/N:	3864			
								1
		Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔΗ	
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	
	1	1	2	1	1.4470	3.2	2.00	
	2	3	4	1	1.0210	6.4	4.00	
	3	5	6	1	0.9140	8.0	5.00	
	4	, 7	8	1	0.8670	8.8	5.50	
	5	9	10	1	0.7140	12.9	8.00	
			[Data Tabula	tion]
			/ / Pa	V Tetd)				
	Vstd	Qstd	√ ^{∆H} (Pstd)(<u>Tstd</u>)		Qa	√∆H(Ta/Pa)	
	(m3)	(x-axis)	y (y-ax		Va	(x-axis)	(y-axis)	
	0.9860	0.6814	1.40		0.9957	0.6881	0.8899	
	0.9818	0.9616	1.99	02	0.9915	0.9711	1.2585	1
	0.9797	1.0719	2.22	51	0.9893	1.0824	1.4071	1
	0.9786	1.1288	2.33	37	0.9883	1.1399	1.4757	1
	0.9732	1.3630	2.814	46	0.9828	1.3765	1.7798	
		m=	2.065	566		m=	1.29348	
		b=	0.003	815	QA	b=	0.00199	
		r=	0.999	96		r=	0.99996	
				Calculatio	ns			
	Vstd=	ΔVol((Pa-ΔP))/Pstd)(Tstd/Ta	a)	Va=	ΔVol((Pa-Δ	P)/Pa)	
	Qstd=	Vstd/∆Time			Qa=	Va/∆Time		
			For subsequ	ent flow ra	te calculatio	ns:		
	Qstd=	1/m ((\\ \[\Delta H (Pa <u>Tstd</u> Pstd Ta	-))-b)	Qa=	$1/m\left(\sqrt{\Delta H}\right)$	l(Ta/Pa))-b)	
	Standard	Conditions						
Tstd						RECA	LIBRATION	
Pstd	760	mm Hg						400
A 1 1 . 1+1		Key	1120)				nnual recalibratio	-
		ter reading (i					Regulations Part	
		eter reading perature (°K)					, Reference Meth	
		ressure (mm				1	ended Particulat	
b: intercept	the second s				tn tn	e Atmosphe	ere, 9.2.17, page	30
m: slope								

isch Environmental, Inc. 45 South Miami Avenue illage of Cleves, OH 45002 <u>www.tisch-env.com</u> TOLL FREE: (877)263-7610 FAX: (513)467-9009



Certificate of Calibration - Wind Monitoring Station

Yau Lai Estate, Bik Lai House
Davis Instruments
<u>Davis7440</u>
<u>MC01010A44</u>
<u>SA-03-04</u>
<u>20-Feb-2021</u>
<u>20-Aug-2021</u>

1. Performance check of Wind Speed

Wind Speed, m/s		Difference D (m/s)
Wind Speed Reading (V1)	Anemometer Value (V2)	D = V1 - V2
0.0	0.0	0.0
1.5	1.6	-0.1
2.5	2.5	0.0
3.5	3.4	0.1

2. Performance check of Wind Direction

Wind Direction (°)		Difference D (°)
Wind Direction Reading (W1)	Marine Compass Value (W2)	$\mathbf{D} = \mathbf{W1} - \mathbf{W2}$
0	0	0.0
90	90	0.0
180	180	0.0
270	270	0.0

Test Specification:

- 1. Performance Wind Speed Test The wind meter was on-site calibrated against the anemometer
- 2. Performance Wind Direction Test The wind meter was on-site calibrated against the marine compass at four direction

APPENDIX D WEATHER INFORMATION

Date	Mean Air Temperature (°C) ¹	Mean Relative Humidity	Precipitation (mm) ³
		$(\%)^2$	• • • •
1-Apr-21	26.7	79	Trace
2-Apr-21	26.9	79	0.0
3-Apr-21	26.9	74	0.0
4-Apr-21	24.7	86	0.8
5-Apr-21	22.4	84	0.7
6-Apr-21	23.9	77	0.0
7-Apr-21	23.1	76	0.0
8-Apr-21	23.2	74	0.0
9-Apr-21	21.0	82	7.5
10-Apr-21	22.4	65	0.0
11-Apr-21	23.1	73	0.0
12-Apr-21	24.6	80	0.0
13-Apr-21	25.9	77	0.0
14-Apr-21	24.6	84	Trace
15-Apr-21	22.2	91	8.3
16-Apr-21	22.8	88	1.5
17-Apr-21	22.8	88	2.5
18-Apr-21	23.2	67	Trace
19-Apr-21	22.5	67	0.0
20-Apr-21	23.4	73	0.0
21-Apr-21	24.5	74	0.0
22-Apr-21	25.2	74	0.0
23-Apr-21	27.3	75	0.0
24-Apr-21	25.4	82	Trace
25-Apr-21	24.7	85	0.9
26-Apr-21	23.4	80	0.3
27-Apr-21	23.2	90	5.7
28-Apr-21	24.4	88	4.2
29-Apr-21	24.1	74	0.1
30-Apr-21	25.6	77	0.0

Appendix D - Weather Conditions During Impact Monitoring Period

(Reporting Month: April 2021) Remarks:

Source - Hong Kong Observatory

¹⁻³Retrieved from Manned Weather Station (Hong Kong Observatory) (22°18'07" N, 114°10'27" E)

Direction 0.1 0.1 0.1
0.1 0.1 0.1
0.1 0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.5
2.3
3.4
0.2
0.5
0.6
0.7
2.6
1.6
0.7
0.2
0.1
0.2
0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.6
0.8
1.5
0.6
2.7
1.1
0.3
0.5
0.4
0.1

April 2021				
Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction	
2 Apr 2021	8:00 PM	SSW	0.1	
2 Apr 2021	9:00 PM	SW	0.1	
2 Apr 2021	10:00 PM	SSW	0.1	
2 Apr 2021	11:00 PM	E	0.1	
3 Apr 2021	12:00 AM	NNE	0.1	
3 Apr 2021	1:00 AM	WNW	0.1	
3 Apr 2021	2:00 AM	W	0.1	
3 Apr 2021	3:00 AM	SW	0.1	
3 Apr 2021	4:00 AM	WSW	0.1	
3 Apr 2021	5:00 AM	NNE	0.1	
3 Apr 2021	6:00 AM	W	0.1	
3 Apr 2021	7:00 AM	NE	0.1	
3 Apr 2021	8:00 AM	SW	0.1	
3 Apr 2021	9:00 AM	SW	0.1	
3 Apr 2021	10:00 AM	WSW	0.1	
3 Apr 2021	11:00 AM	WNW	0.1	
3 Apr 2021	12:00 PM	SSW	1.1	
3 Apr 2021	1:00 PM	W	1.2	
3 Apr 2021	2:00 PM	WNW	2.2	
3 Apr 2021	3:00 PM	SW	2.2	
3 Apr 2021	4:00 PM	W	3.6	
3 Apr 2021	5:00 PM	WNW	0.2	
3 Apr 2021	6:00 PM	WNW	0.1	
3 Apr 2021	7:00 PM	W	0.1	
3 Apr 2021	8:00 PM	W	0.1	
3 Apr 2021	9:00 PM	SW	0.1	
3 Apr 2021	10:00 PM	SSW	0.1	
3 Apr 2021	11:00 PM	SSW	0.1	
4 Apr 2021	12:00 AM	SW	0.1	
4 Apr 2021	1:00 AM	SW	0.1	
4 Apr 2021	2:00 AM	SW	0.1	
4 Apr 2021	3:00 AM	SW	0.1	
4 Apr 2021	4:00 AM	SW	0.1	
4 Apr 2021	5:00 AM	SW	0.1	
4 Apr 2021	6:00 AM	WNW	0.1	
4 Apr 2021	7:00 AM	NE	0.1	
4 Apr 2021	8:00 AM	E	0.2	
4 Apr 2021	9:00 AM	NE	0.2	
4 Apr 2021	10:00 AM	NNE	0.2	
4 Apr 2021	11:00 AM	E	0.1	
4 Apr 2021	12:00 PM	NE	0.1	
4 Apr 2021	1:00 PM	E	0.1	
4 Apr 2021	2:00 PM	ESE	0.1	
4 Apr 2021	3:00 PM	ENE	0.1	

April 2021			
	Wind Speed a	and Directions	
Date	Time	Wind Speed m-s	Direction
4 Apr 2021	4:00 PM	Е	0.1
4 Apr 2021	5:00 PM	Е	0.1
4 Apr 2021	6:00 PM	ESE	0.1
4 Apr 2021	7:00 PM	Е	0.2
4 Apr 2021	8:00 PM	ESE	0.1
4 Apr 2021	9:00 PM	ENE	0.1
4 Apr 2021	10:00 PM	WNW	0.1
4 Apr 2021	11:00 PM	ENE	0.1
5 Apr 2021	12:00 AM	ESE	0.1
5 Apr 2021	1:00 AM	E	0.1
5 Apr 2021	2:00 AM	ENE	0.1
5 Apr 2021	3:00 AM	NE	0.1
5 Apr 2021	4:00 AM	NE	0.1
5 Apr 2021	5:00 AM	E	0.2
5 Apr 2021	6:00 AM	E	0.1
5 Apr 2021	7:00 AM	E	0.2
5 Apr 2021	8:00 AM	E	0.2
5 Apr 2021	9:00 AM	SE	0.2
5 Apr 2021	10:00 AM	ESE	0.2
5 Apr 2021	11:00 AM	E	0.2
5 Apr 2021	12:00 PM	E	0.2
5 Apr 2021	1:00 PM	SE	0.5
5 Apr 2021	2:00 PM	ENE	0.2
5 Apr 2021	3:00 PM	E	0.1
5 Apr 2021	4:00 PM	E	0.2
5 Apr 2021	5:00 PM	SE	0.1
5 Apr 2021	6:00 PM	ENE	0.1
5 Apr 2021	7:00 PM	ENE	0.1
5 Apr 2021	8:00 PM	E	0.1
5 Apr 2021	9:00 PM	ESE	0.1
5 Apr 2021	10:00 PM	NE	0.1
5 Apr 2021	11:00 PM	E	0.1
6 Apr 2021	12:00 AM	ENE	0.1
6 Apr 2021	1:00 AM	NE	0.1
6 Apr 2021	2:00 AM	SSE	0.1
6 Apr 2021	3:00 AM	ENE	0.1
6 Apr 2021	4:00 AM	E	0.1
6 Apr 2021	5:00 AM	E	0.1
6 Apr 2021	6:00 AM	ENE	0.1
6 Apr 2021	7:00 AM	ESE	0.1
6 Apr 2021	8:00 AM	ESE ESE	0.1
6 Apr 2021	9:00 AM 10:00 AM	SSE	0.1
6 Apr 2021 6 Apr 2021		ENE	
0 Apr 2021	11:00 AM	EINE	0.1

April 2021				
	Wind Speed and Directions			
Date	Time	Wind Speed m-s	Direction	
6 Apr 2021	12:00 PM	ENE	0.1	
6 Apr 2021	1:00 PM	SE	0.1	
6 Apr 2021	2:00 PM	SSW	0.1	
6 Apr 2021	3:00 PM	NNE	0.1	
6 Apr 2021	4:00 PM	NE	0.1	
6 Apr 2021	5:00 PM	SE	0.1	
6 Apr 2021	6:00 PM	Е	0.1	
6 Apr 2021	7:00 PM	Е	0.1	
6 Apr 2021	8:00 PM	SE	0.1	
6 Apr 2021	9:00 PM	ESE	0.1	
6 Apr 2021	10:00 PM	Е	0.2	
6 Apr 2021	11:00 PM	Е	0.4	
7 Apr 2021	12:00 AM	ESE	0.2	
7 Apr 2021	1:00 AM	ENE	0.1	
7 Apr 2021	2:00 AM	S	0.1	
7 Apr 2021	3:00 AM	SE	0.1	
7 Apr 2021	4:00 AM	NE	0.1	
7 Apr 2021	5:00 AM	ENE	0.9	
7 Apr 2021	6:00 AM	SE	0.1	
7 Apr 2021	7:00 AM	Е	0.6	
7 Apr 2021	8:00 AM	E	0.8	
7 Apr 2021	9:00 AM	ESE	0.1	
7 Apr 2021	10:00 AM	S	0.1	
7 Apr 2021	11:00 AM	SSE	0.1	
7 Apr 2021	12:00 PM	ESE	0.7	
7 Apr 2021	1:00 PM	S	0.1	
7 Apr 2021	2:00 PM	E	0.4	
7 Apr 2021	3:00 PM	ESE	1	
7 Apr 2021	4:00 PM	E	0.1	
7 Apr 2021	5:00 PM	E	0.1	
7 Apr 2021	6:00 PM	ESE	0.8	
7 Apr 2021	7:00 PM	ENE	0.1	
7 Apr 2021	8:00 PM	Е	0.2	
7 Apr 2021	9:00 PM	S	0.1	
7 Apr 2021	10:00 PM	SE	0.1	
7 Apr 2021	11:00 PM	E	0.1	
8 Apr 2021	12:00 AM	E	0.1	
8 Apr 2021	1:00 AM	ESE	0.2	
8 Apr 2021	2:00 AM	E	0.1	
8 Apr 2021	3:00 AM	ESE	0.1	
8 Apr 2021	4:00 AM	NE	0.1	
8 Apr 2021	5:00 AM	ESE	0.1	
8 Apr 2021	6:00 AM	ENE	0.1	
8 Apr 2021	7:00 AM	ENE	0.1	

April 2021			
Wind Speed and Directions			
Date	Time	Wind Speed m-s	Direction
8 Apr 2021	8:00 AM	ENE	0.1
8 Apr 2021	9:00 AM	SE	0.1
8 Apr 2021	10:00 AM	E	0.1
8 Apr 2021	11:00 AM	E	0.1
8 Apr 2021	12:00 PM	SSE	0.1
8 Apr 2021	1:00 PM	E	0.4
8 Apr 2021	2:00 PM	ENE	0.1
8 Apr 2021	3:00 PM	E	0.1
8 Apr 2021	4:00 PM	ESE	0.2
8 Apr 2021	5:00 PM	E	0.1
8 Apr 2021	6:00 PM	NE	0.4
8 Apr 2021	7:00 PM	ESE	0.1
8 Apr 2021	8:00 PM	NE	0.3
8 Apr 2021	9:00 PM	NE	0.2
8 Apr 2021	10:00 PM	NE	0.2
8 Apr 2021	11:00 PM	ENE	0.2
9 Apr 2021	12:00 AM	W	0.1
9 Apr 2021	1:00 AM	ENE	0.1
9 Apr 2021	2:00 AM	ENE	0.4
9 Apr 2021	3:00 AM	NE	0.1
9 Apr 2021	4:00 AM	ENE	0.2
9 Apr 2021	5:00 AM	ENE	0.2
9 Apr 2021	6:00 AM	ENE	0.2
9 Apr 2021	7:00 AM	Ν	0.2
9 Apr 2021	8:00 AM	ENE	0.2
9 Apr 2021	9:00 AM	ENE	0.3
9 Apr 2021	10:00 AM	E	0.4
9 Apr 2021	11:00 AM	E	1
9 Apr 2021	12:00 PM	E	0.4
9 Apr 2021	1:00 PM	NE	0.4
9 Apr 2021	2:00 PM	E	0.3
9 Apr 2021	3:00 PM	E	0.3
9 Apr 2021	4:00 PM	ESE	0.3
9 Apr 2021	5:00 PM	ESE	0.2
9 Apr 2021	6:00 PM	ENE	0.2
9 Apr 2021	7:00 PM	ENE	0.1
9 Apr 2021	8:00 PM	Е	0.1
9 Apr 2021	9:00 PM	ESE	0.1
9 Apr 2021	10:00 PM	E	0.1
9 Apr 2021	11:00 PM	E	0.1
10 Apr 2021	12:00 AM	ENE	0.1
10 Apr 2021	1:00 AM	E	0.1
10 Apr 2021	2:00 AM	ENE	0.1
10 Apr 2021	3:00 AM	ESE	0.1

April 2021					
	Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction		
10 Apr 2021	4:00 AM	SE	0.1		
10 Apr 2021	5:00 AM	SE	0.2		
10 Apr 2021	6:00 AM	E	0.1		
10 Apr 2021	7:00 AM	ESE	0.3		
10 Apr 2021	8:00 AM	NE	0.1		
10 Apr 2021	9:00 AM	SE	0.1		
10 Apr 2021	10:00 AM	SSE	0.4		
10 Apr 2021	11:00 AM	SSE	0.1		
10 Apr 2021	12:00 PM	S	0.2		
10 Apr 2021	1:00 PM	SSE	0.1		
10 Apr 2021	2:00 PM	SSE	0.6		
10 Apr 2021	3:00 PM	SSE	0.9		
10 Apr 2021	4:00 PM	SE	0.3		
10 Apr 2021	5:00 PM	ENE	0.1		
10 Apr 2021	6:00 PM	S	0.5		
10 Apr 2021	7:00 PM	ESE	0.1		
10 Apr 2021	8:00 PM	E	0.1		
10 Apr 2021	9:00 PM	SE	0.8		
10 Apr 2021	10:00 PM	ESE SE	0.1		
10 Apr 2021	11:00 PM		0.2		
11 Apr 2021	12:00 AM	ENE	0.1		
11 Apr 2021	1:00 AM 2:00 AM	SSE ENE	0.1		
11 Apr 2021 11 Apr 2021	2:00 AM 3:00 AM	E	0.1		
11 Apr 2021	4:00 AM	E ENE	0.1		
11 Apr 2021	5:00 AM	ENE	0.2		
11 Apr 2021	6:00 AM	WSW	0.1		
11 Apr 2021	7:00 AM	NE	0.1		
11 Apr 2021	8:00 AM	ESE	0.1		
11 Apr 2021	9:00 AM	E	0.1		
11 Apr 2021	10:00 AM	E	2.9		
11 Apr 2021	11:00 AM	ESE	0.1		
11 Apr 2021	12:00 PM	E	0.1		
11 Apr 2021	1:00 PM	ESE	0.2		
11 Apr 2021	2:00 PM	ENE	0.2		
11 Apr 2021	3:00 PM	ENE	0.1		
11 Apr 2021	4:00 PM	E	0.1		
11 Apr 2021	5:00 PM	ENE	0.2		
11 Apr 2021	6:00 PM	NE	0.1		
11 Apr 2021	7:00 PM	ENE	0.1		
11 Apr 2021	8:00 PM	E	0.1		
11 Apr 2021	9:00 PM	ESE	0.1		
11 Apr 2021	10:00 PM	Е	0.1		
11 Apr 2021	11:00 PM	ENE	0.1		

April 2021					
	Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction		
12 Apr 2021	12:00 AM	NE	0.1		
12 Apr 2021	1:00 AM	Е	0.1		
12 Apr 2021	2:00 AM	NNE	0.1		
12 Apr 2021	3:00 AM	ENE	0.1		
12 Apr 2021	4:00 AM	ESE	0.1		
12 Apr 2021	5:00 AM	NNE	0.1		
12 Apr 2021	6:00 AM	NNW	0.1		
12 Apr 2021	7:00 AM	E	0.1		
12 Apr 2021	8:00 AM	ENE	0.4		
12 Apr 2021	9:00 AM	SE	0.1		
12 Apr 2021	10:00 AM	SE	0.1		
12 Apr 2021	11:00 AM	ESE	0.2		
12 Apr 2021	12:00 PM	SE	0.5		
12 Apr 2021	1:00 PM	E	0.1		
12 Apr 2021	2:00 PM	SSE	0.2		
12 Apr 2021	3:00 PM	SSW	0.1		
12 Apr 2021	4:00 PM	SSE	0.1		
12 Apr 2021	5:00 PM	ENE	0.2		
12 Apr 2021	6:00 PM	SE	0.1		
12 Apr 2021	7:00 PM	E	0.1		
12 Apr 2021	8:00 PM	E	0.1		
12 Apr 2021	9:00 PM	Е	0.1		
12 Apr 2021	10:00 PM	SE	0.1		
12 Apr 2021	11:00 PM	E	0.1		
13 Apr 2021	12:00 AM	NNE	0.1		
13 Apr 2021	1:00 AM	SW	0.1		
13 Apr 2021	2:00 AM	W	0.1		
13 Apr 2021	3:00 AM	W	0.1		
13 Apr 2021	4:00 AM	ENE	0.1		
13 Apr 2021	5:00 AM	W	0.1		
13 Apr 2021	6:00 AM	S	0.1		
13 Apr 2021	7:00 AM	SW	0.1		
13 Apr 2021	8:00 AM	ESE	0.1		
13 Apr 2021	9:00 AM	WSW	0.1		
13 Apr 2021	10:00 AM	SSE	0.1		
13 Apr 2021	11:00 AM	WSW	0.9		
13 Apr 2021	12:00 PM	WNW	0.2		
13 Apr 2021	1:00 PM	W	0.2		
13 Apr 2021	2:00 PM	NW	0.2		
13 Apr 2021	3:00 PM	W	3.7		
13 Apr 2021	4:00 PM	WNW	0.4		
13 Apr 2021	5:00 PM	WSW	0.4		
13 Apr 2021	6:00 PM	SW	0.1		
13 Apr 2021	7:00 PM	WSW	0.1		

April 2021					
	Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction		
13 Apr 2021	8:00 PM	ENE	0.1		
13 Apr 2021	9:00 PM	ESE	0.1		
13 Apr 2021	10:00 PM	WNW	0.1		
13 Apr 2021	11:00 PM	WSW	0.1		
14 Apr 2021	12:00 AM	SW	0.1		
14 Apr 2021	1:00 AM	#N/A	0.1		
14 Apr 2021	2:00 AM	Е	0.1		
14 Apr 2021	3:00 AM	SW	0.1		
14 Apr 2021	4:00 AM	ENE	0.1		
14 Apr 2021	5:00 AM	ENE	0.1		
14 Apr 2021	6:00 AM	Е	0.1		
14 Apr 2021	7:00 AM	Е	0.1		
14 Apr 2021	8:00 AM	ENE	0.2		
14 Apr 2021	9:00 AM	SE	0.1		
14 Apr 2021	10:00 AM	SW	0.1		
14 Apr 2021	11:00 AM	Е	0.5		
14 Apr 2021	12:00 PM	ESE	0.1		
14 Apr 2021	1:00 PM	ESE	0.5		
14 Apr 2021	2:00 PM	S	0.1		
14 Apr 2021	3:00 PM	NW	0.1		
14 Apr 2021	4:00 PM	Е	0.2		
14 Apr 2021	5:00 PM	E	0.1		
14 Apr 2021	6:00 PM	Е	0.1		
14 Apr 2021	7:00 PM	E	0.2		
14 Apr 2021	8:00 PM	E	0.1		
14 Apr 2021	9:00 PM	Ν	0.1		
14 Apr 2021	10:00 PM	E	0.1		
14 Apr 2021	11:00 PM	ENE	0.2		
15 Apr 2021	12:00 AM	ESE	1		
15 Apr 2021	1:00 AM	SSE	0.1		
15 Apr 2021	2:00 AM	ENE	0.1		
15 Apr 2021	3:00 AM	ESE	0.1		
15 Apr 2021	4:00 AM	ESE	0.6		
15 Apr 2021	5:00 AM	NE	0.1		
15 Apr 2021	6:00 AM	ENE	0.1		
15 Apr 2021	7:00 AM	ENE	0.2		
15 Apr 2021	8:00 AM	E	0.1		
15 Apr 2021	9:00 AM	E	0.1		
15 Apr 2021	10:00 AM	E	0.2		
15 Apr 2021	11:00 AM	ENE	0.2		
15 Apr 2021	12:00 PM	ESE	0.7		
15 Apr 2021	1:00 PM	SSE	0.1		
15 Apr 2021	2:00 PM	ESE	0.1		
15 Apr 2021	3:00 PM	Е	0.4		

	April	2021		
Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction	
15 Apr 2021	4:00 PM	Е	0.1	
15 Apr 2021	5:00 PM	Е	0.1	
15 Apr 2021	6:00 PM	E	0.1	
15 Apr 2021	7:00 PM	SE	0.1	
15 Apr 2021	8:00 PM	E	0.1	
15 Apr 2021	9:00 PM	SE	0.1	
15 Apr 2021	10:00 PM	ESE	0.1	
15 Apr 2021	11:00 PM	ESE	0.1	
16 Apr 2021	12:00 AM	E	0.1	
16 Apr 2021	1:00 AM	E	0.1	
16 Apr 2021	2:00 AM	ENE	0.1	
16 Apr 2021	3:00 AM	ENE	0.3	
16 Apr 2021	4:00 AM	E	0.1	
16 Apr 2021	5:00 AM	E	0.1	
16 Apr 2021	6:00 AM	ENE	0.1	
16 Apr 2021	7:00 AM	E	0.1	
16 Apr 2021	8:00 AM	E	0.1	
16 Apr 2021	9:00 AM	ESE	0.1	
16 Apr 2021	10:00 AM	ESE	0.1	
16 Apr 2021	11:00 AM	ESE	0.1	
16 Apr 2021	12:00 PM	E	0.1	
16 Apr 2021	1:00 PM	SE	0.4	
16 Apr 2021	2:00 PM	SSE	0.2	
16 Apr 2021	3:00 PM	ENE E	0.1	
16 Apr 2021	4:00 PM	E SSW	0.1	
16 Apr 2021 16 Apr 2021	5:00 PM 6:00 PM	<u> </u>	0.3	
<u> </u>		E E	-	
16 Apr 2021 16 Apr 2021	7:00 PM 8:00 PM	SE	0.1	
16 Apr 2021	9:00 PM	ENE	0.1	
16 Apr 2021	10:00 PM	ENE	0.1	
16 Apr 2021	11:00 PM	ENE	0.1	
17 Apr 2021	12:00 AM	SE	0.1	
17 Apr 2021	1:00 AM	E	0.1	
17 Apr 2021	2:00 AM	ESE	0.1	
17 Apr 2021	3:00 AM	E	0.1	
17 Apr 2021	4:00 AM	NE	0.1	
17 Apr 2021	5:00 AM	E	0.1	
17 Apr 2021	6:00 AM	E	0.1	
17 Apr 2021	7:00 AM	SSE	0.1	
17 Apr 2021	8:00 AM	E	0.1	
17 Apr 2021	9:00 AM	ENE	0.1	
17 Apr 2021	10:00 AM	ESE	0.1	
17 Apr 2021	11:00 AM	SE	0.1	

	Apri	1 2021		
Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction	
17 Apr 2021	12:00 PM	SSE	0.1	
17 Apr 2021	1:00 PM	S	0.1	
17 Apr 2021	2:00 PM	Е	0.1	
17 Apr 2021	3:00 PM	SE	0.1	
17 Apr 2021	4:00 PM	ENE	0.1	
17 Apr 2021	5:00 PM	ENE	0.1	
17 Apr 2021	6:00 PM	E	0.1	
17 Apr 2021	7:00 PM	ENE	0.1	
17 Apr 2021	8:00 PM	E	0.1	
17 Apr 2021	9:00 PM	SSE	0.1	
17 Apr 2021	10:00 PM	ENE	0.1	
17 Apr 2021	11:00 PM	E	0.1	
18 Apr 2021	12:00 AM	ESE	0.1	
18 Apr 2021	1:00 AM	E	0.1	
18 Apr 2021	2:00 AM	E	0.1	
18 Apr 2021	3:00 AM	WSW	0.1	
18 Apr 2021	4:00 AM	ESE	0.1	
18 Apr 2021	5:00 AM	E	0.1	
18 Apr 2021	6:00 AM	E	0.1	
18 Apr 2021	7:00 AM	NE	0.1	
18 Apr 2021	8:00 AM	ENE	0.2	
18 Apr 2021	9:00 AM	SSE	0.5	
18 Apr 2021	10:00 AM	SSE	0.6	
18 Apr 2021	11:00 AM	ESE	0.4	
18 Apr 2021	12:00 PM	SSE	0.5	
18 Apr 2021	1:00 PM	E	0.1	
18 Apr 2021	2:00 PM	NNW	0.1	
18 Apr 2021	3:00 PM	NNE	0.4	
18 Apr 2021	4:00 PM	NNE	0.1	
18 Apr 2021	5:00 PM	ESE	0.1	
18 Apr 2021	6:00 PM	ESE	0.1	
18 Apr 2021	7:00 PM	ENE	0.1	
18 Apr 2021	8:00 PM	SE E	0.1	
18 Apr 2021	9:00 PM	E	0.1	
18 Apr 2021	10:00 PM	E	0.5	
18 Apr 2021	11:00 PM	E	0.4	
19 Apr 2021 19 Apr 2021	12:00 AM 1:00 AM	SE SE	0.1	
19 Apr 2021 19 Apr 2021	2:00 AM	NE	0.3	
Â	3:00 AM	ENE	0.1	
19 Apr 2021 19 Apr 2021	4:00 AM	ENE	0.3	
19 Apr 2021 19 Apr 2021	5:00 AM	ESE	1.2	
19 Apr 2021 19 Apr 2021	6:00 AM	ESE	0.3	
19 Apr 2021 19 Apr 2021	7:00 AM	E	0.3	
17 Api 2021	7.00 AIVI	Ľ	0.1	

	April	2021		
Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction	
19 Apr 2021	8:00 AM	SE	0.1	
19 Apr 2021	9:00 AM	ESE	0.9	
19 Apr 2021	10:00 AM	NE	0.6	
19 Apr 2021	11:00 AM	E	0.1	
19 Apr 2021	12:00 PM	SSE	0.1	
19 Apr 2021	1:00 PM	E	0.1	
19 Apr 2021	2:00 PM	ENE	0.4	
19 Apr 2021	3:00 PM	E	0.1	
19 Apr 2021	4:00 PM	E SE	0.1	
19 Apr 2021	5:00 PM 6:00 PM	NW	0.1	
19 Apr 2021 19 Apr 2021	7:00 PM	ESE	0.1	
19 Apr 2021	8:00 PM	E E	0.1	
19 Apr 2021	9:00 PM	ENE	0.7	
19 Apr 2021	10:00 PM	ESE	0.1	
19 Apr 2021	11:00 PM	ESE	0.1	
20 Apr 2021	12:00 AM	SSW	0.1	
20 Apr 2021	1:00 AM	E	0.1	
20 Apr 2021	2:00 AM	ENE	0.1	
20 Apr 2021	3:00 AM	ENE	1.1	
20 Apr 2021	4:00 AM	Е	0.1	
20 Apr 2021	5:00 AM	Е	0.1	
20 Apr 2021	6:00 AM	Е	0.1	
20 Apr 2021	7:00 AM	SE	0.2	
20 Apr 2021	8:00 AM	Е	0.1	
20 Apr 2021	9:00 AM	ESE	0.1	
20 Apr 2021	10:00 AM	Е	3.1	
20 Apr 2021	11:00 AM	ESE	0.4	
20 Apr 2021	12:00 PM	ESE	0.2	
20 Apr 2021	1:00 PM	ENE	0.2	
20 Apr 2021	2:00 PM	E	0.5	
20 Apr 2021	3:00 PM	ESE	0.1	
20 Apr 2021	4:00 PM	SE	0.1	
20 Apr 2021	5:00 PM	SSE	0.1	
20 Apr 2021	6:00 PM	S	0.1	
20 Apr 2021	7:00 PM	ESE	0.1	
20 Apr 2021	8:00 PM	ENE	0.1	
20 Apr 2021	9:00 PM	NNW	0.1	
20 Apr 2021 20 Apr 2021	10:00 PM 11:00 PM	E E	0.5	
20 Apr 2021 21 Apr 2021	11:00 PM 12:00 AM	E NE	0.1	
21 Apr 2021 21 Apr 2021	12:00 AM 1:00 AM	ENE	0.1	
21 Apr 2021 21 Apr 2021	2:00 AM	ENE	0.3	
21 Apr 2021 21 Apr 2021	3:00 AM	ENE	0.1	
21 Api 2021	J.00 AIVI	LINL	0.1	

	April	2021		
Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction	
21 Apr 2021	4:00 AM	ESE	0.1	
21 Apr 2021	5:00 AM	ESE	0.1	
21 Apr 2021	6:00 AM	ENE	0.1	
21 Apr 2021	7:00 AM	E	0.1	
21 Apr 2021	8:00 AM	S	0.1	
21 Apr 2021	9:00 AM	Е	0.4	
21 Apr 2021	10:00 AM	SSE	0.3	
21 Apr 2021	11:00 AM	S	0.9	
21 Apr 2021	12:00 PM	SE	0.4	
21 Apr 2021	1:00 PM	S	0.2	
21 Apr 2021	2:00 PM	S	0.1	
21 Apr 2021	3:00 PM	SSE	0.1	
21 Apr 2021	4:00 PM	SE	0.2	
21 Apr 2021	5:00 PM	S	0.9	
21 Apr 2021	6:00 PM	E	0.5	
21 Apr 2021	7:00 PM	ESE	0.1	
21 Apr 2021	8:00 PM	E	0.1	
21 Apr 2021	9:00 PM	E	0.1	
21 Apr 2021	10:00 PM	E	0.1	
21 Apr 2021	11:00 PM	E	0.1	
22 Apr 2021	12:00 AM	ESE	0.1	
22 Apr 2021	1:00 AM	ESE	0.1	
22 Apr 2021	2:00 AM 3:00 AM	E ENE	0.1	
22 Apr 2021 22 Apr 2021	4:00 AM	ENE E	0.1	
22 Apr 2021 22 Apr 2021	5:00 AM	E E	0.1	
22 Apr 2021 22 Apr 2021	6:00 AM	E E	0.1	
22 Apr 2021 22 Apr 2021	7:00 AM	SE	0.2	
22 Apr 2021 22 Apr 2021	8:00 AM	E E	0.0	
22 Apr 2021 22 Apr 2021	9:00 AM	S	0.1	
22 Apr 2021 22 Apr 2021	10:00 AM	ESE	0.1	
22 Apr 2021 22 Apr 2021	11:00 AM	SSW	0.1	
22 Apr 2021	12:00 PM	W	0.7	
22 Apr 2021	1:00 PM	SW	1.9	
22 Apr 2021	2:00 PM	WNW	3.1	
22 Apr 2021	3:00 PM	W	2.7	
22 Apr 2021	4:00 PM	SSW	0.3	
22 Apr 2021	5:00 PM	WNW	1.5	
22 Apr 2021	6:00 PM	W	0.4	
22 Apr 2021	7:00 PM	WSW	0.2	
22 Apr 2021	8:00 PM	SW	0.1	
22 Apr 2021	9:00 PM	W	0.1	
22 Apr 2021	10:00 PM	SSW	0.1	
22 Apr 2021	11:00 PM	W	0.1	

	April	2021		
Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction	
23 Apr 2021	12:00 AM	WSW	0.1	
23 Apr 2021	1:00 AM	SW	0.1	
23 Apr 2021	2:00 AM	SW	0.1	
23 Apr 2021	3:00 AM	SW	0.1	
23 Apr 2021	4:00 AM	WSW	0.1	
23 Apr 2021	5:00 AM	WSW	0.1	
23 Apr 2021	6:00 AM	WSW	0.1	
23 Apr 2021	7:00 AM	WSW	0.1	
23 Apr 2021	8:00 AM	WNW	0.1	
23 Apr 2021	9:00 AM	SW	0.2	
23 Apr 2021	10:00 AM	SW	0.1	
23 Apr 2021	11:00 AM	N	0.2	
23 Apr 2021	12:00 PM	W	2.7	
23 Apr 2021	1:00 PM	SW	1.5	
23 Apr 2021	2:00 PM	SW	0.3	
23 Apr 2021	3:00 PM	WSW	0.1	
23 Apr 2021	4:00 PM	NW	0.1	
23 Apr 2021	5:00 PM	WNW	0.1	
23 Apr 2021	6:00 PM	ESE	0.1	
23 Apr 2021	7:00 PM	E	0.1	
23 Apr 2021	8:00 PM	E	0.1	
23 Apr 2021	9:00 PM	E	0.1	
23 Apr 2021	10:00 PM	ENE	0.1	
23 Apr 2021	11:00 PM	SSE	0.1	
24 Apr 2021	12:00 AM	E	0.6	
24 Apr 2021	1:00 AM	SE	0.1	
24 Apr 2021	2:00 AM	SSE	0.1	
24 Apr 2021	3:00 AM	E	0.1	
24 Apr 2021	4:00 AM	ENE	0.1	
24 Apr 2021	5:00 AM	Е	0.1	
24 Apr 2021	6:00 AM	ENE	0.1	
24 Apr 2021	7:00 AM	E	0.2	
24 Apr 2021	8:00 AM	ENE	0.1	
24 Apr 2021	9:00 AM	NE	0.2	
24 Apr 2021	10:00 AM	SE	2.2	
24 Apr 2021	11:00 AM	SE	0.2	
24 Apr 2021	12:00 PM	SE	0.5	
24 Apr 2021	1:00 PM	ESE	0.1	
24 Apr 2021	2:00 PM	ENE	0.2	
24 Apr 2021	3:00 PM	E	0.1	
24 Apr 2021	4:00 PM	E	0.7	
24 Apr 2021	5:00 PM	ESE	0.7	
24 Apr 2021	6:00 PM	SSE	0.1	
24 Apr 2021	7:00 PM	E	0.6	

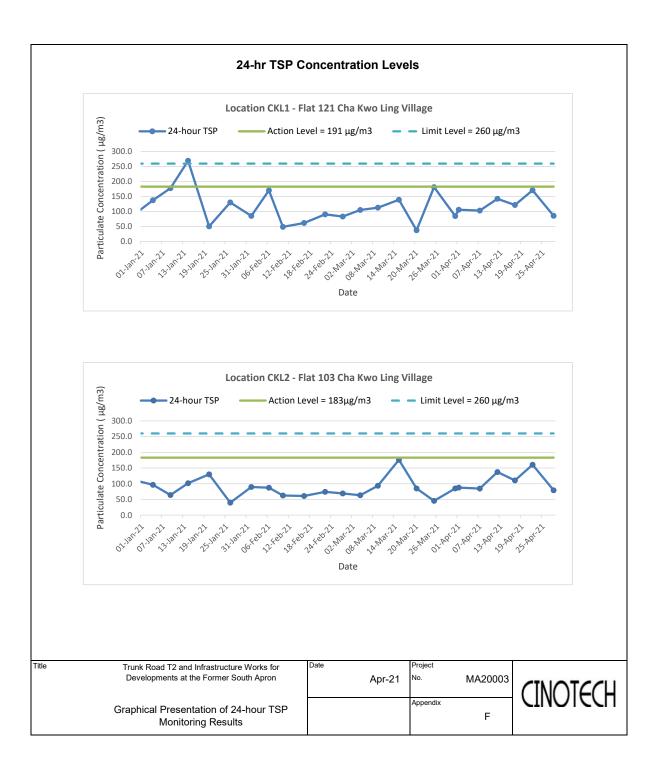
	Apri	1 2021	
Wind Speed and Directions			
Date	Time	Wind Speed m-s	Direction
24 Apr 2021	8:00 PM	ENE	0.1
24 Apr 2021	9:00 PM	ENE	0.1
24 Apr 2021	10:00 PM	E	0.1
24 Apr 2021	11:00 PM	E	0.1
25 Apr 2021	12:00 AM	ENE	0.1
25 Apr 2021	1:00 AM	E	0.1
25 Apr 2021	2:00 AM	E	0.1
25 Apr 2021	3:00 AM	E	0.1
25 Apr 2021	4:00 AM	NE	0.1
25 Apr 2021	5:00 AM	ENE	0.1
25 Apr 2021	6:00 AM	E	0.1
25 Apr 2021	7:00 AM	ENE	0.1
25 Apr 2021	8:00 AM	ESE	0.1
25 Apr 2021	9:00 AM	E	0.2
25 Apr 2021	10:00 AM	S	0.3
25 Apr 2021	11:00 AM	ESE	0.1
25 Apr 2021	12:00 PM	ENE	0.1
25 Apr 2021	1:00 PM	SE	0.1
25 Apr 2021	2:00 PM	S	0.1
25 Apr 2021	3:00 PM	ESE	0.1
25 Apr 2021	4:00 PM	SW	0.1
25 Apr 2021	5:00 PM	ESE	0.9
25 Apr 2021	6:00 PM	ESE	1.2
25 Apr 2021	7:00 PM	E ESE	0.3
25 Apr 2021	8:00 PM 9:00 PM	NNE	0.1
25 Apr 2021 25 Apr 2021	9:00 PM 10:00 PM	SE	0.1
25 Apr 2021	10:00 PM 11:00 PM	NE SE	0.1
26 Apr 2021	12:00 AM	ESE	0.1
26 Apr 2021	1:00 AM	E	0.1
26 Apr 2021	2:00 AM	ENE	0.1
26 Apr 2021	3:00 AM	ENE	0.2
26 Apr 2021	4:00 AM	NE	0.2
26 Apr 2021	5:00 AM	ESE	0.2
26 Apr 2021	6:00 AM	ENE	0.1
26 Apr 2021	7:00 AM	E	0.1
26 Apr 2021	8:00 AM	ENE	1
26 Apr 2021	9:00 AM	NE	0.1
26 Apr 2021	10:00 AM	N	0.1
26 Apr 2021	11:00 AM	SE	0.2
26 Apr 2021	12:00 PM	S	0.1
26 Apr 2021	1:00 PM	SE	0.4
26 Apr 2021	2:00 PM	ESE	2.2
26 Apr 2021	3:00 PM	S	0.1
20 mpi 2021	5.001 11	5	0.1

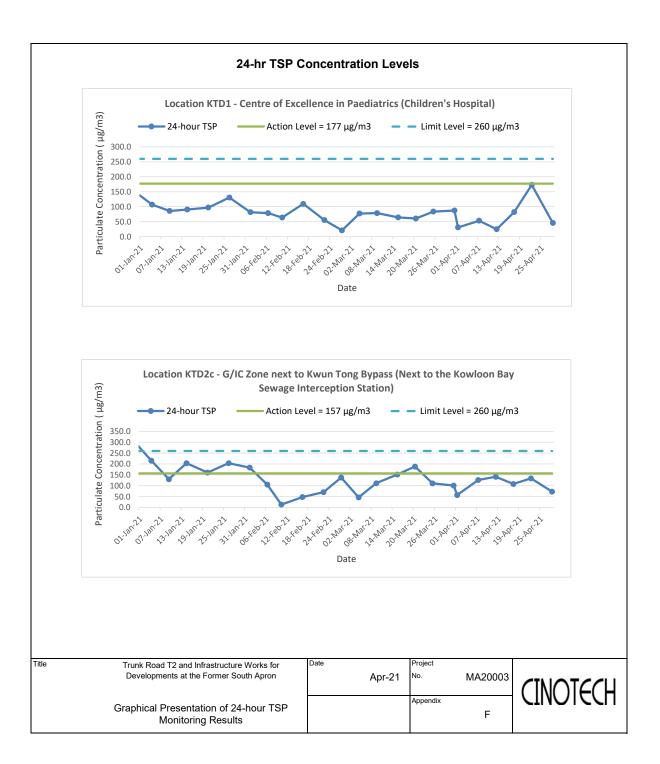
	Apri	1 2021	
Wind Speed and Directions			
Date	Time	Wind Speed m-s	Direction
26 Apr 2021	4:00 PM	ESE	0.2
26 Apr 2021	5:00 PM	ENE	0.1
26 Apr 2021	6:00 PM	ENE	0.1
26 Apr 2021	7:00 PM	WNW	0.1
26 Apr 2021	8:00 PM	ESE	0.1
26 Apr 2021	9:00 PM	ESE	0.1
26 Apr 2021	10:00 PM	SE	0.1
26 Apr 2021	11:00 PM	ESE	0.1
27 Apr 2021	12:00 AM	ESE	0.1
27 Apr 2021	1:00 AM	E	0.2
27 Apr 2021	2:00 AM	E	0.1
27 Apr 2021	3:00 AM	E	0.2
27 Apr 2021	4:00 AM	E	0.2
27 Apr 2021	5:00 AM	E	0.2
27 Apr 2021	6:00 AM	E	0.3
27 Apr 2021	7:00 AM	ENE	0.3
27 Apr 2021	8:00 AM	ENE	0.5
27 Apr 2021	9:00 AM	NE	0.5
27 Apr 2021	10:00 AM	E	0.4
27 Apr 2021	11:00 AM	ENE	0.4
27 Apr 2021	12:00 PM	ENE	0.6
27 Apr 2021	1:00 PM	ESE	0.5
27 Apr 2021	2:00 PM	ESE	0.6
27 Apr 2021	3:00 PM	ESE	0.5
27 Apr 2021	4:00 PM	NE	0.4
27 Apr 2021	5:00 PM	ESE	0.4
27 Apr 2021	6:00 PM	E	0.3
27 Apr 2021	7:00 PM	E	0.2
27 Apr 2021	8:00 PM	NE	0.2
27 Apr 2021	9:00 PM	SE	0.2
27 Apr 2021	10:00 PM	SSE	0.2
27 Apr 2021	11:00 PM	ENE	0.2
28 Apr 2021	12:00 AM	E	0.1
28 Apr 2021	1:00 AM	ENE	0.2
28 Apr 2021	2:00 AM	ENE	0.1
28 Apr 2021	3:00 AM	ESE	0.1
28 Apr 2021 28 Apr 2021	4:00 AM 5:00 AM	NNE E	0.1
28 Apr 2021 28 Apr 2021	6:00 AM	E E	0.1
28 Apr 2021 28 Apr 2021	7:00 AM	E E	0.1
28 Apr 2021 28 Apr 2021	8:00 AM	ESE	0.1
28 Apr 2021 28 Apr 2021	9:00 AM	SSE	0.1
28 Apr 2021 28 Apr 2021	10:00 AM	E SSE	0.1
28 Apr 2021 28 Apr 2021	10:00 AM 11:00 AM	SSW	0.3
20 Api 2021	11.00 AM	33.00	0.1

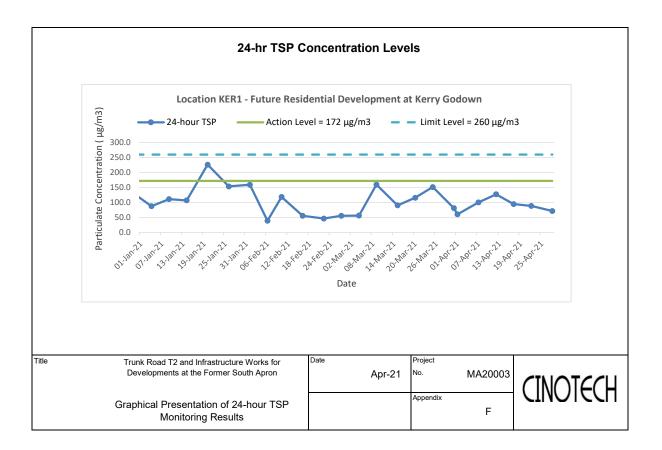
	April	2021		
Wind Speed and Directions				
Date	Time	Wind Speed m-s	Direction	
28 Apr 2021	12:00 PM	SE	0.6	
28 Apr 2021	1:00 PM	S	0.1	
28 Apr 2021	2:00 PM	SSE	0.1	
28 Apr 2021	3:00 PM	SE	0.1	
28 Apr 2021	4:00 PM	E	0.1	
28 Apr 2021	5:00 PM	WSW	0.2	
28 Apr 2021	6:00 PM	WSW	0.3	
28 Apr 2021	7:00 PM	SW	0.4	
28 Apr 2021	8:00 PM	SW	0.4	
28 Apr 2021	9:00 PM	NW	0.5	
28 Apr 2021	10:00 PM	Ν	0.4	
28 Apr 2021	11:00 PM	NNE	0.4	
29 Apr 2021	12:00 AM	NNE	0.7	
29 Apr 2021	1:00 AM	ESE	0.5	
29 Apr 2021	2:00 AM	ENE	0.5	
29 Apr 2021	3:00 AM	NE	0.4	
29 Apr 2021	4:00 AM	NE	0.4	
29 Apr 2021	5:00 AM	NE	0.3	
29 Apr 2021	6:00 AM	NE	0.4	
29 Apr 2021	7:00 AM	NE	0.3	
29 Apr 2021	8:00 AM	NNE	0.4	
29 Apr 2021	9:00 AM	NE	0.3	
29 Apr 2021	10:00 AM	ENE	0.3	
29 Apr 2021	11:00 AM	NNE	0.3	
29 Apr 2021	12:00 PM	NE	0.9	
29 Apr 2021	1:00 PM	#N/A	0.3	
29 Apr 2021	2:00 PM	NNW	0.3	
29 Apr 2021	3:00 PM	WNW	0.5	
29 Apr 2021	4:00 PM	W	0.9	
29 Apr 2021	5:00 PM	SSW	0.7	
29 Apr 2021	6:00 PM	SW WSW	0.1	
29 Apr 2021 29 Apr 2021	7:00 PM 8:00 PM		0.1	
29 Apr 2021 29 Apr 2021	9:00 PM	ENE ESE	0.1	
29 Apr 2021 29 Apr 2021	9:00 PM 10:00 PM	SE SE	0.2	
29 Apr 2021 29 Apr 2021	10:00 PM 11:00 PM	ENE	0.1	
30 Apr 2021	12:00 AM	ENE E	0.1	
30 Apr 2021	12.00 AM 1:00 AM	E	0.1	
30 Apr 2021	2:00 AM	ENE	0.1	
30 Apr 2021	3:00 AM	ENE	0.1	
30 Apr 2021	4:00 AM	W	0.1	
30 Apr 2021	5:00 AM	SSW	0.1	
30 Apr 2021	6:00 AM	S	0.1	
30 Apr 2021	7:00 AM		0.1	
50 Api 2021	7.00 Alvi	٧V	0.1	

	Apri	1 2021	
	Wind Speed a	and Directions	
Date	Time	Wind Speed m-s	Direction
30 Apr 2021	8:00 AM	WSW	0.1
30 Apr 2021	9:00 AM	ESE	0.1
30 Apr 2021	10:00 AM	ESE	0.1
30 Apr 2021	11:00 AM	WNW	0.1
30 Apr 2021	12:00 PM	WNW	1
30 Apr 2021	1:00 PM	W	0.1
30 Apr 2021	2:00 PM	WSW	1.6
30 Apr 2021	3:00 PM	W	1.9
30 Apr 2021	4:00 PM	WSW	1.3
30 Apr 2021	5:00 PM	W	0.6
30 Apr 2021	6:00 PM	SSW	0.1
30 Apr 2021	7:00 PM	SW	0.1
30 Apr 2021	8:00 PM	WNW	0.1
30 Apr 2021	9:00 PM	SSW	0.1
30 Apr 2021	10:00 PM	NNW	0.1
30 Apr 2021	11:00 PM	WSW	0.1

APPENDIX F 24-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATIONS







Appendix F - 24-hour TSP Impact Monitoring Results

Location CKL1 - Flat 121 Cha Kwo Ling Village

	Weather	Air Temp.	Atmospheric	Filter W	eight (g)	Particulate	Elaps	e Time	Sampling	Flow Rate	e (m³/min.)	Av Flow	Total vol.	Conc.	Action	Limit
Start Date	Condition	(K)	Pressure, Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	Level (µg/m3)	Level (µg/m3)
1-Apr-21	Sunny	299.8	757.6	3.6943	3.8776	0.1832	2176.0	2200.0	24.0	1.20	1.20	1.20	1732.0	105.8		
7-Apr-21	Sunny	296.2	762.3	3.6287	3.8083	0.1796	2200.0	2224.0	24.0	1.21	1.21	1.21	1746.6	102.8		
12-Apr-21	Sunny	298.3	762.1	2.6293	2.8768	0.2475	2224.0	2248.0	24.0	1.21	1.21	1.21	1740.4	142.2	191.0	260.0
17-Apr-21	Fine	296.0	762.6	3.6596	3.8717	0.2121	2248.0	2272.0	24.0	1.21	1.21	1.21	1746.6	121.4	191.0	200.0
22-Apr-21	Cloudy	299.3	757.7	3.6397	3.9362	0.2965	2272.8	2296.8	24.0	1.21	1.20	1.20	1733.5	171.0		
28-Apr-21	Sunny	297.3	761.5	3.7081	3.8569	0.1488	2296.8	2320.8	24.0	1.21	1.21	1.21	1742.2	85.4		
Note:	Bold Italic means A	Action Level exce	eedance										Min	85.4		
	Bold Italic with und	derline means l	imit Level exceedance										Max	171.0		
													Average	121.4		

Location CKL2 - Flat 103 Cha Kwo Ling Village

	Weather	Air Temp.	Atmospheric	Filter W	eight (g)	Particulate	Elaps	e Time	Sampling	Flow Rate	e (m ³ /min.)	Av. Flow	Total vol	Conc.	Action	Limit	
Start Date	Condition	(K)	Pressure, Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	Level (µg/m3)	Level (µg/m3)	
1-Apr-21	Sunny	299.8	757.6	2.6746	2.8256	0.1510	14339.6	14363.6	24.0	1.20	1.20	1.20	1725.9	87.5			
7-Apr-21	Sunny	296.2	762.3	3.6011	3.7480	0.1470	14387.6	14411.6	24.0	1.21	1.21	1.21	1742.2	84.4			
12-Apr-21	Sunny	298.3	762.1	2.6205	2.8589	0.2384	14411.6	14435.6	24.0	1.21	1.20	1.21	1735.8	137.3	183.0	260.0	
17-Apr-21	Fine	296.0	762.6	3.6825	3.8753	0.1927	14435.4	14459.4	24.0	1.21	1.21	1.21	1743.0	110.6	105.0	200.0	
22-Apr-21	Cloudy	299.3	757.7	3.6815	3.9585	0.2770	14459.4	14483.4	24.0	1.20	1.20	1.20	1727.7	160.3			
28-Apr-21	Sunny	297.3	761.5	3.6894	3.8269	0.1375	14483.4	14507.4	24.0	1.21	1.21	1.21	1738.0	79.1			
Note:	Bold Italic means A	Action Level exce	eedance										Min	79.1			
	Bold Italic with und	lerline means l	imit Level exceedance						Bold Italic with underline means Limit Level exceedance								

Average 109.9

Appendix F - 24-hour TSP Impact Monitoring Results

	Weather	Air Temp.	Atmospheric	Filter W	eight (g)	Particulate	Elapse	e Time	Sampling	Flow Rate	e (m ³ /min.)	Av Flow	Total vol.	Conc.	Action	Limit
Start Date	Condition	(K)	Pressure, Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	Level (µg/m3)	Level (µg/m3)
1-Apr-21	Sunny	299.8	757.6	2.6740	2.7276	0.0536	13911.0	13935.0	24.0	1.21	1.21	1.21	1736.8	30.8		
7-Apr-21	Sunny	296.2	762.3	2.6575	2.7505	0.0930	13887.0	13911.0	24.0	1.22	1.22	1.22	1751.2	53.1		
12-Apr-21	Sunny	298.3	762.1	2.6682	2.7112	0.0430	13959.0	13983.0	24.0	1.21	1.21	1.21	1745.5	24.6	177.0	260.0
17-Apr-21	Fine	296.0	762.6	3.6775	3.8214	0.1439	13983.0	14007.0	24.0	1.22	1.22	1.22	1751.9	82.2	177.0	200.0
22-Apr-21	Cloudy	299.3	757.7	3.6941	3.9948	0.3008	14007.0	14031.0	24.0	1.21	1.20	1.21	1738.3	173.0		
28-Apr-21	Sunny	297.3	761.5	3.6802	3.7599	0.0797	14031.0	14055.0	24.0	1.21	1.21	1.21	1747.4	45.6		
Note:	Bold Italic means A	Action Level exc	eedance										Min	24.6		
	Bold Italic with und	<u>derline</u> means l	Limit Level exceedance										Max	173.0		
													Average	68.2		

Location KTD1 - Centre of Excellence in Paediatrics (Children's Hospital)

Location KTD2c - G/IC Zone next to Kwun Tong Bypass (Next to the Kowloon Bay Sewage Interception Station)

	Weather	Air Temp.	Atmospheric	Filter W	eight (g)	Particulate	Elaps	e Time	Sampling	Flow Rate	e (m ³ /min.)	Av Flow	Total vol.	Conc.	Action	Limit
Start Date	Condition	(K)	Pressure, Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	Level (µg/m3)	Level (µg/m3)
1-Apr-21	Sunny	299.8	757.6	3.6246	3.7243	0.0997	12348.4	12372.4	24.0	1.20	1.20	1.20	1728.3	57.7		
7-Apr-21	Sunny	296.2	762.3	2.6586	2.8804	0.2218	12372.4	12396.4	24.0	1.21	1.21	1.21	1748.2	126.9		
12-Apr-21	Sunny	298.3	762.1	2.6813	2.9272	0.2459	12396.4	12420.4	24.0	1.21	1.21	1.21	1740.3	141.3	157.0	260.0
17-Apr-21	Fine	296.0	762.6	3.6755	3.8648	0.1892	12420.7	12444.7	24.0	1.22	1.21	1.21	1749.2	108.2	157.0	200.0
22-Apr-21	Cloudy	299.3	757.7	3.7060	3.9376	0.2316	12444.7	12468.7	24.0	1.21	1.20	1.20	1730.5	133.9		
28-Apr-21	Sunny	297.3	761.5	3.6557	3.7834	0.1278	12468.7	12492.7	24.0	1.21	1.21	1.21	1743.0	73.3		
Note:	Bold Italic means	Action Level exce	eedance										Min	57.7		
	Bold Italic with une	derline means l	imit Level exceedance										Max	141.3		
													Average	106.9		

Location KER1 - Future Residential Development at Kerry Godown

	Weather	Air Temp.	Atmospheric	Filter W	/eight (g)	Particulate	Elaps	e Time	Sampling	Flow Rate	e (m ³ /min.)	Av Flow	Total vol.	Conc.	Action	Limit
Start Date	Condition	(K)	Pressure, Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	Level (µg/m3)	Level (µg/m3)
1-Apr-21	Sunny	299.8	757.6	2.6626	2.7671	0.1045	11514.8	11538.8	24.0	1.20	1.20	1.20	1730.8	60.4		
7-Apr-21	Sunny	296.2	762.3	2.6374	2.8124	0.1750	11538.8	11562.8	24.0	1.21	1.21	1.21	1747.9	100.1		
12-Apr-21	Sunny	298.3	762.1	2.6764	2.8979	0.2215	11562.8	11586.8	24.0	1.21	1.21	1.21	1741.1	127.2	172.0	260.0
17-Apr-21	Fine	296.0	762.6	3.6764	3.8418	0.1654	11586.8	11610.8	24.0	1.22	1.21	1.21	1748.7	94.6	172.0	200.0
22-Apr-21	Cloudy	299.3	757.7	3.7125	3.8655	0.1531	11610.8	11634.8	24.0	1.21	1.20	1.20	1732.7	88.3		
28-Apr-21	Sunny	297.3	761.5	3.6547	3.7790	0.1243	11634.8	11658.8	24.0	1.21	1.21	1.21	1743.4	71.3		
Note:	Bold Italic means /	Action Level exce	eedance										Min	60.4		
	Bold Italic with une	derline means L	imit Level exceedance										Max	127.2		
													Average	90.3		

APPENDIX G COPIES OF CALIBRATION CERTIFICATES FOR NOISE MONITORING



0025249

Customer : Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T. Hong Kong		Object 1 : Serial No. /Ref. No. : Object 2 : Serial No. /Ref. No. :	ST-120 sound calibrator 181001636
Customer Code : SVEC09005 Date of calibration: 0)5/11/2020)5/11/2021	Manufacturer : Sour Certificate No.: Handle by:	ndtek 0025249 E0002

Measuring results

Reference value	Indication value	Deviation	Allowed deviation	Object
94.0dB	93.7dB	-0.3dB	+/- 0.3dB	1
114.0dB	113.6dB	-0.4dB	+/- 0.5dB	1

Measuring equipment

index	Calibrator / Master	Traceability
1	Master Sound Meter, SVAN949, sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

Ambient conditions

Temperature (20...26)°C

Humidity (20...60)%RH

Measuring procedure

Calibrated by Type 1 Sound Level Meter and 1kHz Sound Source ...

Uncertainty

+/- 0.2 dB for probability not less than 95%.

Conformity

1. The resulted values were those obtained at the time of test and applies only to the item calibrated.

2. The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains

the uncertainty of the measuring procedure and the uncertainty of the measuring system.

3. The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.

4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.

5. The calibrations certificate may not be reproduced.

Measured value(s) within	the allowable deviation.	
Performed by		Approved by
ar		L
Calibration Technician	Mr. K.L. Ng	Quality Manager
Appleone Calibration Laboratory Ltd.	Rm1309, 13/F, No.77 Wing Hong S	t, KIn, HKSAR Tel: +852 2370 4437 Fax: +852 2114 0393



0025247

Customer :		Object 1 :	ST-120 sound calibrator				
Cinotech Consultants Limited		Serial No. /Ref. No. :	181001608				
RM 1710, Technology Park,		Object 2 :					
18 On Lai Street, Shatin, N.T.		Serial No. /Ref. No. ::					
Hong Kong							
Customer Code : SVEC09005		Manufacturer : Sour	ndtek				
Date of calibration:	05/11/2020	Certificate No .:	0025247				
Date of the recommended re-calibration:	05/11/2021	Handle by:	E0002				

Measuring results

Reference value	Indication value	Deviation	Allowed deviation	Object
94.0dB	93.7dB	-0.3dB	+/- 0.3dB	1
114.0dB	113.6dB	-0.4dB	+/- 0.5dB	1

Measuring equipment

index	Traceability	
1	Master Sound Meter, SVAN949, sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

Ambient conditions

Temperature (20...26)°C Humidity (20...60)%RH

Measuring procedure

Calibrated by Type 1 Sound Level Meter and 1kHz Sound Source -

Uncertainty

+/- 0.2 dB for probability not less than 95%.

Conformity

1. The resulted values were those obtained at the time of test and applies only to the item calibrated.

2. The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains

the uncertainty of the measuring procedure and the uncertainty of the measuring system.

3. The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.

4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.

5. The calibrations certificate may not be reproduced.

Measured value(s)	within the	e allowable deviation		
Performed by	1		Approved	ьу
	at		L	~ ``
Calibration Technicia	an	Mr. K.L. Ng	Quality Ma	nager
Appleone Calibration Lat	poratory Ltd. Rm	1309, 13/F, No.77 Wing Hor	ng St, Kln, HKSAR	Tel: +852 2370 4437 Fax: +852 2114 0393



0024993

Customer :		Object 1 : BSWA 308 SLM
Cinotech Consultants Limited		Serial No. /Ref. No. : 570183 / 550233
RM 1710, Technology Park,		Object 2 :
18 On Lai Street, Shatin, N.T.		Serial No. /Ref. No. :
Hong Kong		
Customer Code : SVEC09005		Manufacturer : BSWAtech
Date of calibration:	07/10/2020	Certificate No.: 0024993
Date of the recommended re-calibration:	07/10/2021	Handle by: E0002

Measuring results

Reference value	Indication value	Deviation	Allowed deviation	Object
94.0dB	93.4dB	-0.6dB	+/- 1.5dB	1
114.0dB	113.2dB	-0.8dB	+/- 1.5dB	1

Measuring equipment

index	Calibrator / Master	Traceability
1	Master Sound Meter, SVAN949,sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

Ambient conditions

Temperature (20...26)°C

Humidity (20...60)%RH

Measuring procedure

Calibrated by Type 1 Sound Calibrator with Master Sound Level Meter under 1kHz Frequency.

Uncertainty

+/- 0.2 dB for probability not less than 95%.

Appleone Calibration Laboratory Ltd.

Conformity

1. The resulted values were those obtained at the time of test and applies only to the item calibrated.

2. The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains

the uncertainty of the measuring procedure and the uncertainty of the measuring system.

3. The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.

4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories. 5 The calibrations certificate may not be reproduced

5. The calibrations certificate may not be reproduced.

Measured value(s) within the allowable deviation.

Performed by
Calibration Technician Mr. K.L. Ng

Rm1309, 13/F, No.77 Wing Hong St, Kln, HKSAR Tel: +852 2370 4437 Fax: +852 2114 0393



0025914

Customer : Cinotech Consultants Limited RM 1710, Technology Park,		Object 1 : Serial No. /Ref. No. : Object 2 :	Microphone
18 On Lai Street, Shatin, N.T. Hong Kong Customer Code : SVEC09005		Serial No. /Ref. No. : Manufacturer : Sva	
Date of calibration: Date of the recommended re-calibration:	22/01/2021 22/01/2022	Certificate No.: Handle by:	0025914 E0002

Measuring results

	Reference value	Indication value	Deviation	Allowed deviation	Object
	94.0dB	93.6dB	-0.4dB	+/- 1.5dB	1
ſ	114.0dB	113.5dB	-0.5dB	+/- 1.5dB	1

Measuring equipment

index	Calibrator / Master	Traceability
1	Master Sound Meter, SVAN949,sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

Ambient conditions

Temperature (20...26)°C

Humidity (20...60)%RH

Measuring procedure

Calibrated by Type 1 Sound Calibrator with Master Sound Level Meter under 1kHz Frequency.

Uncertainty

+/- 0.2 dB for probability not less than 95%.

Conformity

1. The resulted values were those obtained at the time of test and applies only to the item calibrated.

2. The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains

the uncertainty of the measuring procedure and the uncertainty of the measuring system.

3. The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.

4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.

5. The calibrations certificate may not be reproduced.

Measured value(s)

the allowable deviation.

Performed by

Calibration Technician

Approved by

Quality Manager

APPENDIX H NOISE MONITORING RESULTS AND GRAPHICAL PRESENTATIONS

Appendix H - Noise Monitoring Results

(0700-1900 hrs on Normal Weekdays)

Location CKL1 - Flat 121 Cha Kwo Ling Village								
				Unit: dB (A) (30-min)				
Date	Time	Weather	Meas	sured Noise I	Level	Baseline Level	Construction Noise Level	
Bato		Woulder	L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}	
1-Apr-21	2:00	Fine	65.6	68.4	58.5	72.4	65.6 Measured \leq Baseline	
7-Apr-21	15:00	Sunny	69.2	73.3	64.4	72.4	69.2 Measured \leq Baseline	
13-Apr-21	10:30	Sunny	68.9	72.6	58.6	72.4	68.9 Measured \leq Baseline	
19-Apr-21	15:00	Fine	69.5	70.9	67.1	72.4	69.5 Measured \leq Baseline	
29-Apr-21	15:30	Sunny	70.4	73.4	65.3	72.4	70.4 Measured \leq Baseline	

Location CKL2 - Flat 103 Cha Kwo Ling Village Unit: dB (A) (30-min) Measured Noise Level Baseline Level Construction Noise Level Weather Date Time L_{eq} L _{eq} L _{eq} L₁₀ L ₉₀ 1-Apr-21 7-Apr-21 14:30 15:30 66.2 73.2 66.2 Measured ≦ Baseline 71.8 Fine 60.4 71.4 71.4 71.4 71.4 71.4 Sunny 76.8 63.4 68.5 13-Apr-21 19-Apr-21 77.0 73.5 10:00 Sunny 62.1 69.3 66.7 16:00 69.8 69.8 Measured \leq Baseline Fine 29-Apr-21 73.5 71.4 15:00 Sunny 69.3 61.1 69.3 Measured ≦ Baseline

Appendix H - Noise Monitoring Results

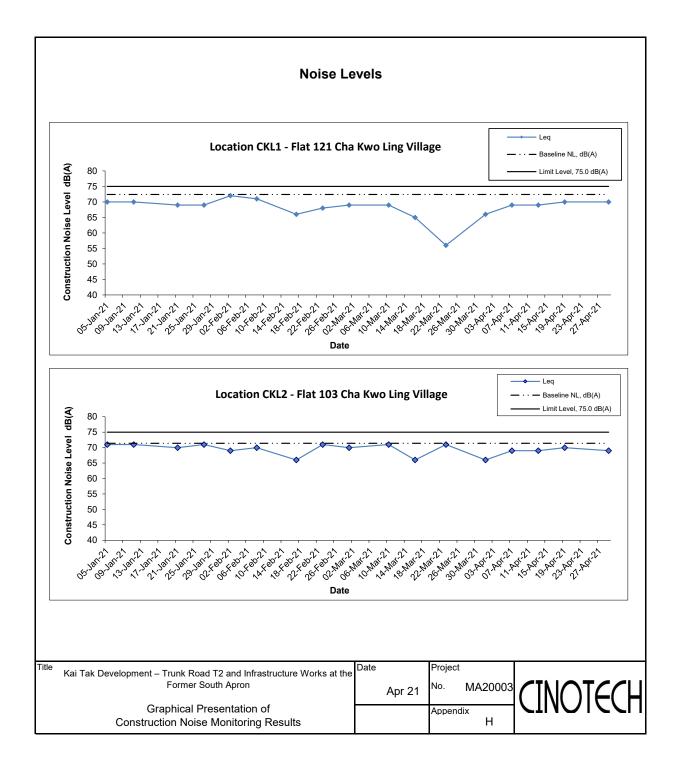
(0700-1900 hrs on Normal Weekdays)								
Location KTD1 - Centre of Excellence in Paediatrics (Rooftop of Children's Hospital)								
			Unit: dB (A) (30-min)					
Date	Time	Weather	Meas	sured Noise I	_evel	Baseline Level	Construction Noise Level	
Buto	Timo	i oution	L _{ea}	L ₁₀	L 90	L _{eq}	L _{eq}	
4.4.04	40.50	0	I					
1-Apr-21	13:50	Sunny	66.1	67.4	64.6	78.0	66.1 Measured ≦ Baseline	
7-Apr-21	14:00	Sunny	68.7	71.9	61.9	78.0	68.7 Measured \leq Baseline	
13-Apr-21	11:55	Sunny	68.8	69.8	67.5	78.0	68.8 Measured ≦ Baseline	
19-Apr-21	13:10	Cloudy	69.3	70.8	67.5	78.0	69.3 Measured ≦ Baseline	
29-Apr-21	4:45	Sunny	70.9	72.0	69.7	78.0	70.9 Measured \leq Baseline	

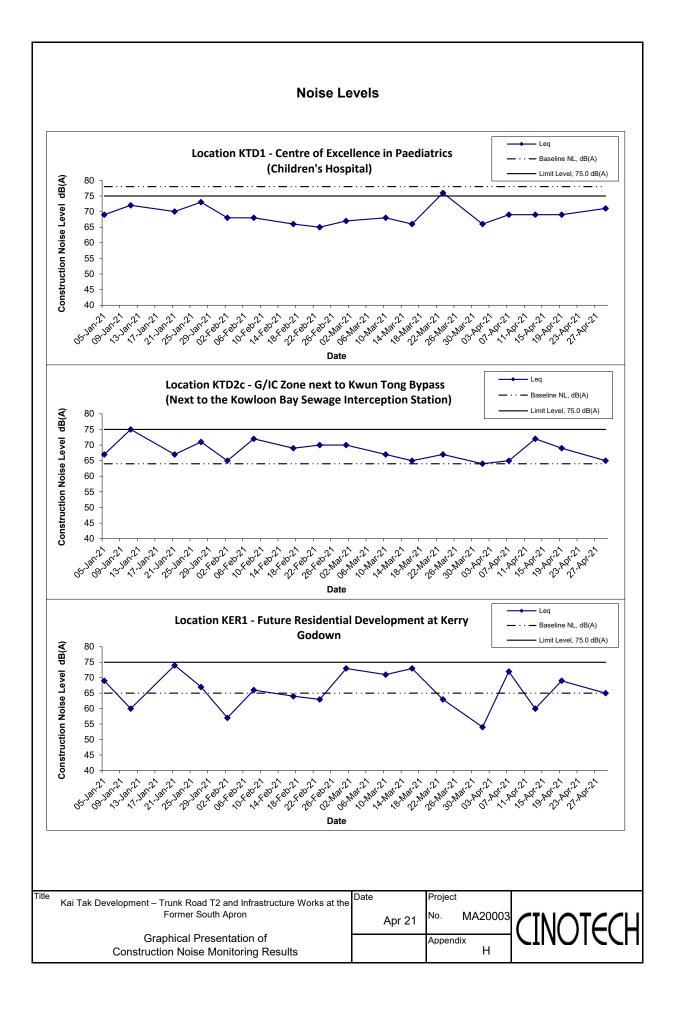
(0700-1900 hrs on Normal Weekdays)

Location RTDZC - Ono Zone next to Rwan Tong	Bypass (Next to the Kowloon Bay Sewage Interception St	auor

		Unit: dB (A) (30-min)				
Time	Weather	Measured Noise Level		Baseline Level	Construction Noise Level	
Time	Weather					
		L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
13:00	Sunny	64.0	65.8	62.0	64.0	64 Measured ≦ Baseline
13:00	Sunny	67.6	68.8	63.0	64.0	65
13:30	Sunny	72.6	73.2	63.5	64.0	72
14:40	Cloudy	69.9	70.9	64.2	64.0	69
15:00	Sunny	67.8	71.2	60.5	64.0	65
	13:00 13:30 14:40	13:00 Sunny 13:00 Sunny 13:30 Sunny 14:40 Cloudy	Leq 13:00 Sunny 64.0 13:00 Sunny 67.6 13:30 Sunny 72.6 14:40 Cloudy 69.9	Leq Lo 13:00 Sunny 64.0 65.8 13:00 Sunny 67.6 68.8 13:30 Sunny 72.6 73.2 14:40 Cloudy 69.9 70.9	Time Weather Measured Noise Level L _{eq} L ₁₀ L ₉₀ 13:00 Sunny 64.0 65.8 62.0 13:00 Sunny 67.6 68.8 63.0 13:30 Sunny 72.6 73.2 63.5 14:40 Cloudy 69.9 70.9 64.2	Time Weather Measured Noise Level Baseline Level 13:00 Sunny 64.0 65.8 62.0 64.0 13:00 Sunny 67.6 68.8 63.0 64.0 13:30 Sunny 72.6 73.2 63.5 64.0 14:40 Cloudy 69.9 70.9 64.2 64.0

Location KER1 - Future Residential Development at Kerry Godown								
				Unit: dB (A) (30-min)				
Date	Time	Weather	Meas	Measured Noise Level		Baseline Level	Construction Noise Level	
Bato		Time Weather	L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}	
1-Apr-21	14:30	Sunny	65.3	66.5	63.1	65.0	54	
7-Apr-21	15:00	Sunny	72.8	74.1	71.0	65.0	72	
13-Apr-21	11:10	Sunny	66.3	68.2	62.8	65.0	60	
19-Apr-21	13:45	Cloudy	70.4	73.5	65.6	65.0	69	
29-Apr-21	16:00	Sunny	64.9	66.7	61.3	65.0	64.9 Measured \leq Baseline	





APPENDIX I SITE AUDIT SUMMARY

Environmental Team for Trunk Road T2 and Infrastructure Works at the Former South Apron

Weekly Site Inspection Record Summary Inspection Information

Checklist Reference Number	210401
Date	01 April 2021 (Thursday)
Time	14:00 - 15:00

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

Ref. No.	Remarks/Observations	Related Item No.
210401 - R2	<i>B. Water Quality</i>Surface runoff should be treated before discharge outside the site.	B3 iii
	<i>C. Air Quality</i>No environmental deficiency was identified during site inspection	
	 D. Construction Noise Impact No environmental deficiency was identified during site inspection. 	
210401 - R1	<i>E. Waste/Chemical Management</i>Accumulation of general refuse should be avoided.	E1
	<i>F. Visual and Landscape</i>No environmental deficiency was identified during site inspection.	
	<i>G. Permits/Licences</i>No environmental deficiency was identified during site inspection.	
	<i>H. Marine Ecology</i>No environmental deficiency was identified during site inspection.	
	 <i>I. Others</i> Follow up on the previous session (Ref No.:210325), item 210325-R1 has not been rectified. ET will keep track of the follow up action conducted by the Contractor. 	

	Name	Signature	Date
Recorded by	Tim Lui	Cigl-	01 April 2021
Checked by	Karina Chan	Zalle	01 April 2021

Environmental Team for Trunk Road T2 and Infrastructure Works at the Former South Apron

Weekly Site Inspection Record Summary Inspection Information 210408 Checklist Reference Number 210408 Date 08 April 2021 (Thursday) Time 09:30 – 12:00

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

Ref. No.	Remarks/Observations	Related Item No
	<i>B. Water Quality</i>No environmental deficiency was identified during site inspection.	
	<i>C. Air Quality</i>No environmental deficiency was identified during site inspection	
	 D. Construction Noise Impact No environmental deficiency was identified during site inspection. 	
210408 - O1	 <i>E. Waste/Chemical Management</i> Accumulation of general refuse was observed continuously. The contractor is reminded to dispose the refuse regularly and avoid accumulation. 	E1
	<i>F. Visual and Landscape</i>No environmental deficiency was identified during site inspection.	
	<i>G. Permits/Licences</i>No environmental deficiency was identified during site inspection.	
	<i>H. Marine Ecology</i>No environmental deficiency was identified during site inspection.	
	 <i>I. Others</i> Follow up on the previous session (Ref No.:210401), item 210401 – R2 has been rectified. And the item 210325-R1 and 210401 – R1 has not been rectified. ET will keep track of the follow up action conducted by the Contractor. 	

	Name	Signature	Date
Recorded by	Tim Lui	Cigl-	08 April 2021
Checked by	Karina Chan	Zelle	08 April 2021

Environmental Team for Trunk Road T2 and Infrastructure Works at the Former South Apron

Weekly Site Inspection Record Summary Inspection Information 210415 Checklist Reference Number 210415 Date 15 April 2021 (Thursday) Time 09:30 – 12:00

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

Ref. No.	Remarks/Observations	Related Item No
	<i>B. Water Quality</i>No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	No environmental deficiency was identified during site inspection	
	D. Construction Noise Impact	
	No environmental deficiency was identified during site inspection.	
	E. Waste/Chemical Management	
	No environmental deficiency was identified during site inspection	
	F. Visual and Landscape	
	• No environmental deficiency was identified during site inspection.	
	G. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	H. Marine Ecology	
	No environmental deficiency was identified during site inspection.	
	I. Others	
	 Follow up on the previous session (Ref No.:210408), no major environmental deficiency was identified during site inspection. 	

	Name	Signature	Date
Recorded by	Tim Lui	Cigl-	15 April 2021
Checked by	Karina Chan	Zelle	15 April 2021

Environmental Team for Trunk Road T2 and Infrastructure Works at the Former South Apron

Weekly Site Inspection Record Summary Inspection Information

Checklist Reference Number	210423
Date	23 April 2021 (Friday)
Time	10:00 - 11:00

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

Ref. No.	Remarks/Observations	Related Item No
	<i>B. Water Quality</i>No environmental deficiency was identified during site inspection.	
	<i>C. Air Quality</i>No environmental deficiency was identified during site inspection	
	<i>D. Construction Noise Impact</i>No environmental deficiency was identified during site inspection.	
	<i>E. Waste/Chemical Management</i>No environmental deficiency was identified during site inspection.	
	<i>F. Visual and Landscape</i>No environmental deficiency was identified during site inspection.	
	<i>G. Permits/Licences</i>No environmental deficiency was identified during site inspection.	
	<i>H. Marine Ecology</i>No environmental deficiency was identified during site inspection.	
	 <i>I. Others</i> Follow up on the previous session (Ref No.:210415), no major environmental deficiency was identified during site inspection. 	

	Name	Signature	Date
Recorded by	Tim Lui	Cigl-	23 April 2021
Checked by	Karina Chan	Zalle	23 April 2021

Environmental Team for Trunk Road T2 and Infrastructure Works at the Former South Apron

Weekly Site Inspection Record Summary Inspection Information 210429 Checklist Reference Number 210429 Date 29 April 2021 (Thursday) Time 09:30 – 12:00

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

Ref. No.	Remarks/Observations	Related Item No
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	No environmental deficiency was identified during site inspection	
	D. Construction Noise Impact	
	• No environmental deficiency was identified during site inspection.	
	E. Waste/Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	F. Visual and Landscape	
	• No environmental deficiency was identified during site inspection.	
	G. Permits/Licences	
	• No environmental deficiency was identified during site inspection.	
	H. Marine Ecology	
	• No environmental deficiency was identified during site inspection.	
	I. Others	
	• Follow up on the previous session (Ref No.:210422 & 210423), all items has been rectified.	

	Name	Signature	Date
Recorded by	Tim Lui	Cigl-	29 April 2021
Checked by	Karina Chan	Jull	29 April 2021

APPENDIX J EVENT AND ACTION PLANS

.	Action				
Event	ET	IEC	ER	Contractor	
Action Level					
 Exceedance for one sample 	 Identify source, investigate the causes of complaint and propose remedial measures; Inform IEC and ER; Repeat measurement to confirm finding; Increase monitoring frequency. 	 Check monitoring data submitted by ET; Check Contractor's working method. 	1. Notify Contractor.	 Rectify any unacceptable practice; Amend working methods agreed with the ER as appropriate. 	
2. Exceedance by two or more consecutive samples	 Identify source; Inform IEC and ER; Advise the ER on the effectiveness of the proposed remedial measures; Repeat measurements to confirm findings; Increase monitoring frequency to daily; Discuss with IEC, ER and Contractor on remedial actions required; 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET, ER and Contractor on possible remedial measures if required; Advise the ER on the effectiveness of the proposed remedial measures; 	 Notify Contractor; Ensure remedial measures properly implemented. 	 Submit proposals for remedial actions to IEC within three working days of notification; Implement the agreed proposals; Amend proposal if appropriate. 	

Table J-1Event/Action Plan for Air Construction Dust Monitoring

	Action				
Event	ET	IEC	ER	Contractor	
Limit level 1. Exceedance for one sample	 7. If exceedance continues, arrange meeting with IEC, Contractor and ER; 8. If exceedance stops, cease additional monitoring. 1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform the IEC, ER, and Contractor; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET, ER and Contractor on possible remedial measures; Advise the ER and ET on the effectiveness of the proposed remedial measures; 	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to the ER and copy to the ET and IEC within three working days of notification; Implement the agreed proposals; Amend proposal if 	
	Contractor's remedial actions and keep IEC and ER informed of the results.	5. Supervise implementation of remedial measures.		appropriate.	
2. Exceedance for two or more	1. Notify IEC, ER and Contractor;	1. Discuss amongst ER, ET, and Contractor on the potential	1. Confirm receipt of notification of exceedance in	 Take immediate action to avoid further exceedance; 	
consecutive	2. Identify source;	remedial actions;	writing;	2. Submit proposals for remedial	

E	Action				
Event	ET	IEC	ER	Contractor	
samples	3. Repeat measurement to	2. Review Contractor's	2. Notify Contractor;	actions to ER and copy to the	
	confirm findings;	remedial actions whenever	3. In consolidation with the IEC	IEC and ET within three	
	4. Increase monitoring	necessary to assure their	and ET, agree with the	working days of notification;	
	frequency to daily;	effectiveness and advise the	Contractor on the remedial	3. Implement the agreed	
	5. Carry out analysis of	ER and ET accordingly;	measures to be implemented;	proposals;	
	Contractor's working	3. Supervise the	4. Ensure remedial measures	4. Resubmit proposals if	
	procedures with the ER to	implementation of remedial	properly implemented;	problem still not under	
	determine possible mitigation	measures.	5. If exceedance continues,	control;	
	to be implemented;		consider what portion of the	5. Stop the relevant portion of	
	6. Arrange meeting with IEC		work is responsible and	works as determined by the	
	and ER to discuss the		instruct the Contractor to	ER until the exceedance is	
	remedial actions to be taken;		stop that portion of work	abated.	
	7. Assess effectiveness of		until the exceedance is		
	Contractor's remedial actions		abated.		
	and keep IEC, EPD and ER				
	informed of the results;				
	8. If exceedance stops, cease				
	additional monitoring.				

Table J-2							
Event	Action						
Event	ET	IEC	ER	Contractor			
Action Level	1. Notify IEC, ER and	1. Review the monitoring data	1. Notify Contractor;	1. Submit noise mitigation			
	Contractor;	submitted by the ET;	2. Require Contractor to propose	proposals to the ER and copy			
	2. Carry out investigation;	2. Review the construction	remedial measures for	to the IEC and ET;			
	3. Report the results of	methods and proposed redial	implementation if required.	2. Implement noise mitigation			
	investigation to the IEC and	measures by the Contractor,		proposals.			
	Contractor;	and advise the ET and ER if					
	4. Discuss jointly with the ER	the proposed remedial					
	and formulate remedial	measures would be					
	measures;	sufficient.					
	5. Increase monitoring						
	frequency to check						
	mitigation effectiveness.						
Limit Level	1. Notify IEC, ER and	1. Discuss amongst ER, ET, and	1. Confirm receipt of	1. Take immediate action to			
	Contractor;	Contractor on the potential	notification of failure in	avoid further exceedance;			
	2. Identify source;	remedial actions;	writing;	2. Submit proposals for			
	3. Repeat measurements to	2. Review the Contractor's	2. Notify Contractor;	remedial actions to the ER			
	confirm findings;	remedial actions whenever	3. Require Contractor to	and copy to the ET and IEC			
	4. Carry out analysis of	necessary to assure their	propose remedial measures	within 3 working days of			
	Contractor's working	effectiveness and advise the	for the analysed noise	notification;			

Table J-2Event/Action Plan for Construction Noise Monitoring

E		Act	tion	
Event	ET	IEC	ER	Contractor
	procedures to determine	ER accordingly;	problem;	3. Implement the agreed
	possible mitigation to be	3. Supervise the	4. Ensure remedial measures	proposals;
	implemented;	implementation of remedial	properly implemented;	4. Resubmit proposals if
	5. Record the causes and action	measures.	5. If exceedance continues,	problem still not under
	taken for the exceedances;		consider what portion of the	control;
	6. Increase the monitoring		work is responsible and	5. Stop the relevant portion of
	frequency;		instruct the Contractor to stop	works as determined by the
	7. Assess the effectiveness of		that portion of work until the	ER until the exceedance is
	the Contractor's remedial		exceedance is abated.	abated.
	action with the ER and keep			
	the IEC informed of the			
	results;			
	8. If exceedance stops, cease			
	additional monitoring.			

Event	Action				
	ET	IEC	ER	Contractor	
Non-conformity	1. Identify Source;	1. Check report;	1. Notify Contractor;	1. Amend working methods;	
on one occasion	2. Inform the IEC and the ER;	2. Check Contractor's working	2. Ensure remedial measures	2. Rectify damage and undertake	
	3. Discuss remedial actions with	method;	are properly implemented.	any necessary replacement.	
	IEC, ER and Contractor	3. Discuss with ET and the			
	4. Monitor remedial actions until	Contractor on possible			
	rectification has been	remedial measures;			
	completed.	4. Advise ER on effectiveness			
		of proposed remedial			
		measures;			
		5. Check implementation of			
		remedial measures			

Table J-3Event/Action Plan for Landscape and Visual

Event	Action								
	ET	IEC	ER	Contractor					
Repeated	1. Identify source;	1. Check monitoring report;	1. Notify Contractor;	1. Amend working methods;					
Non-conformity	2. Inform the IEC and the ER;	2. Check Contractor's working	2. Ensure remedial measures	2. Rectify damage and undertake					
	3. Increase monitoring frequency;	method;	are properly implemented.	any necessary replacement.					
	4. Discuss remedial actions with	3. Discuss with ET and the							
	the IEC, the ER and the	Contractor on possible							
	Contractor;	remedial measures;							
	5. Monitor remedial actions until	4. Advise ER on effectiveness							
	rectification has been	of proposed remedial							
	completed;	measures;							
	6. If exceedance stops, cease	5. Check implementation of							
	additional monitoring.	remedial measures							

APPENDIX K ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	-				Status
						D	C	0	
Air Quality Imp	act								
\$2.3.1.1	The specific mitigation comprises the following: watering of the construction areas 12 times per day to reduce dust emissions by 91.7%, with reference to the "Control of Open Fugitive Dust Sources" (USEPA AP-42). The amount of water to be applied would be 0.91L/m ² for the respective watering frequency;	To minimize dust emission during construction works	All relevant works sites, conveyor belts and stockpiles	Contractor and Sub- contractors	APCO / EIAO	Y	Y		^
	Dust enclosures with watering would be provided along the loading ramps and conveyor belts for unloading the C&D materials to the barge for dust suppression; and								N/A(1)
	3-sided barriers around the stockpiling areas WA3 and WA4.								X
\$2.3.1.2	The dust control measures detailed below shall also be incorporated into the Contract Specification where practicable as an integral part of good construction practice: Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather;	To minimize dust emission during construction works	All relevant works sites	Contractor and Sub- contractors	APCO / EIAO	Y	Y		٨
	Use of frequent watering for particularly dusty construction areas and areas close to ASRs;								٨
	Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines;								۸
	Open stockpiles shall be avoided or covered. Prevent placing dusty material storage piles near ASRs;								۸
	Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations;								٨

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		Status	
						D	С	0	
	Establishment and use of vehicle wheel and body washing facilities at the exit points of the site;								٨
	Imposition of speed controls for vehicles on unpaved site roads, 8 km per hour is the recommended limit;								N/A(1)
	Routing of vehicles and position of construction plant should be at the maximum possible distance from ASRs;								٨
	Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides;								٨
	Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed; and								N/A(1)
	Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system.								N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
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Noise Impact								L I	
S3.4.1.1	The use of quieter plant, including Quality Powered Mechanical Equipment (QPME) is specified for the list of equipment: - Concrete lorry mixer - Dump Truck, 5.5 tonne < gross vehicle weight ≤ 38 tonne - Generator, Super Silenced, 70 dB(A) at 7m - Poker, vibratory, Hand-held (electric) - Water Pump, Submersible (Electric) - Mobile Crane - KOBELCO CKS900 - Excavator, wheeled/tracked - HYUNDAI R80CR-9	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub- contractors	NCO / EIAO		Y		۸
\$3.4.1.1	Use of temporary or fixed noise barriers with a surface density of at least 10kg/m ² to screen noise from movable and stationary plant.	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub- contractors	NCO / EIAO		Y		٨
\$3.4.1.1	Use of enclosures with covers at top and three sides and a surface density of at least 10kg/m ² to screen noise from generally static noisy plant such as air compressors.	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub- contractors	NCO / EIAO		Y		N/A(1)
\$3.4.1.1	Use of acoustic fabric for the silent piling system, drill rigs, rock drills etc.	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub-contractors	NCO / EIAO		Y		٨
\$3.4.1.1	Proper fitting of silencers and mufflers on the ventilation fans.	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub-contractors	NCO / EIAO		Y		N/A(1)
\$3.4.1.1	Implementation of good site practice: Only well-maintained plant should be operated on-site and plants should be serviced regularly during the construction period;	To minimise air- borne noise impacts		Contractor and Sub- contractors	NCO / EIAO		Y		٨
	Mobile plant, if any, should be sited as far from NSRs as possible;								^
	Plant known to emit noise strongly in one direction should, wherever possible, be properly orientated so that the noise is directed away from the nearby NSRs;								۸
	Use of site hoarding as a noise barrier to screen noise at low level NSRs;	-							٨
	Machines and plant that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum; and								٨

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		Status	
						D	C	0	
	Any material stockpiles and other structures should be effectively utilised, wherever practicable, to screen the noise from on-site construction activities.								٨
	The advancing speed of the TBM should be restricted to 2m/hr in order to ensure compliance with the daytime ground-borne noise limits.								N/A
Water Quality		ļ	I	I					
S4.2.1.1	In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection Department, 1994 (ProPECC PN 1/94), construction phase mitigation measures shall include the following: Surface run-off from the construction site, including all Works Areas, will be discharged into storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sedimentation basins. At the establishment of works sites and works areas including the barging point, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided to divert the storm water to the silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the Contractor prior to the commencement of construction and the catch-pits and perimeter channels would be constructed in advance of site formation works and earthworks;	To control water quality impact from construction site runoff and general construction activities	All works sites	Contractor and Sub- contractors	Water Pollution Control Ordinance / ProPECC PN 1/94		Y		*
	Dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas and Works Areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a site/sediment trap;								۸
	The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/sand traps should be 5 minutes under maximum flow conditions. The sizes may vary depending upon the flow rate, but for a flow rate of 0.1m^3 /s, a sedimentation basin of 30m^3 would be required and for a flow rate of 0.5m^3 /s the basin would be 150m^3 . All effluent discharged from the construction site should comply with the standards stipulated in the TM-DSS. The detailed design of the sand/silt traps shall be undertaken by the Contractor prior to the commencement of construction;								N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implen	nentatio	n Stages	Status
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	In accordance with ProPECC PN 1/94, the construction works should be programmed to minimise surface excavation works during rainy seasons (April to September), as far as practicable. All exposed earth areas should be completed and vegetated as soon as possible after the earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means;								^
	The overall slope of works sites should be kept to a minimum to reduce the erosive potential of surface water flows, and all trafficked areas and access roads should be protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during the prolonged periods of inclement weather and the reduction of surface sheet flows;								٨
	All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure their proper and efficient operation at all times particularly following rainstorms. Deposited silts and grits should be removed regularly and disposed of by spreading evenly over stable, vegetated areas;								٨
	Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet season is inevitable, they should be dug and backfilled in short sections wherever practicable. The water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities;								٨
	Open stockpiles of construction materials (for example, aggregates, sand and fill material) should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system;								٨

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement			n Stages	Status
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	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers;								۸
	Precautions to be taken at any time of the year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted and during or after rainstorms, are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events;								N/A(1)
	All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facilities should be provided at the exit of every construction site where practicable. Wash- water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-washing bay to public roads should be paved with sufficient backfall toward the wheel- washing bay to prevent vehicle tracking of soil and silty water to public roads and drains;								^
	Oil interceptors should be provided in the drainage system downstream of any oil/fuel pollution sources, specifically Works Areas WA1, WA2, WA4 and WA5 where plant maintenance is proposed. Oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for oil interceptors to prevent flushing during heavy rain;								N/A(1)
	The construction solid waste, debris and rubbish on-site should be collected, handled and disposed of properly to avoid causing any water quality impacts. The requirements for solid waste management are detailed in Section 11 Waste Management of this EIA report; and								۸
	All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching the nearby WSRs.								۸

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	ended Agent		Relevant Standard or Requirement			n Stages	Status
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\$4.2.1.1 and 4.3.1.5	There is a need to apply to the EPD for a discharge licence for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge licence. All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. Minimum distances of 100m should be maintained between the discharge points of construction site effluent and the existing seawater intakes. The beneficial uses of the treated effluent for other on- site activities such as dust suppression, wheel washing and general cleaning etc, can minimise water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the WPCO license		All works sites	Contractor and Sub- contractors	Water Pollution Control Ordinance		Y		N/A(1)
S4.2.1.1	Specific mitigation measures for the tunnelling works using TBM, soft ground and mechanical excavation techniques should include the following: The cut-and-cover tunnelling works should be conducted sequentially as far as practicable to limit the amount of construction wastewater generated from the exposed areas during the wet season (April to September);	To minimize construction water quality impact from tunnelling and excavation works	All tunnelling and excavation portion	Contractor and Sub- contractors	TMEIA TMwater ProPECC PN 1/94 WPCO		Y		N/A
	Uncontaminated discharge should pass through settlement tanks prior to discharge; If contaminated groundwater is found during the course of the works, no direct discharge of groundwater from contaminated areas should be adopted. Any contaminated groundwater should be properly treated in compliance with the requirements of the TM-DSS. If wastewater treatment is to be deployed for treating the contaminated groundwater, the wastewater treatment unit should deploy suitable treatment processes (e.g. oil interceptor/activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (such as TPH) to an undetectable range;								N/A N/A
	If groundwater recharging wells are deployed, recharging wells should be installed as appropriate for recharging the contaminated groundwater back into the ground. The recharging wells should be selected at places where the groundwater quality will not be affected by the recharge operation as indicated in the Section 2.3 of TM-DSS;								N/A

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Impler	nentatio	n Stages	Status
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	The baseline groundwater quality shall be determined prior to the selection of the recharge wells, and submit a working plan (including the laboratory analytical results showing the quality of groundwater at the proposed recharge location(s) as well as the pollutant levels of groundwater to be recharged) to EPD for agreement. Pollution levels of groundwater to be recharged shall not be higher than pollutant levels of ambient groundwater at the recharge well. Prior to recharge, any prohibited substances such as TPH products should be removed as necessary by installing the petrol interceptor;								N/A
	The wastewater with high concentrations of SS should be treated such as by settlement in tanks with sufficient retention time before discharge. Oil interceptors would also be required to remove the oil, lubricants and grease from the wastewater.								N/A
S4.2.1.1	In order to prevent any accidental release of bentonite slurry from getting into the surrounding environment, the following specific control measures shall be followed to reduce the risk and impacts of accidental spillage: All bentonite slurry should be stored in a container that resistant to corrosion,	To control water quality impact from bentonite slurry	All relevant works sites	Contractor and Sub- contractors	WPCO		Y		۸
	maintained in good conditions and securely closed; The container should be labelled in English and Chinese and note that the container is for storage of bentonite slurry only; The storage container should be placed on an area of impermeable flooring and								^ N/A(1)
	bunded with capacity to accommodate 110% of the volume of the container size or 20% by volume stored in the area and enclosed with at least 3 sides;								
	The storage container should be sufficiently covered to prevent rainfall entering the container or bunded area (water collected within the bund must be tested and disposed of as chemical waste, if necessary);								٨
	An emergency clean up kit shall be readily available where bentonite fluid will be stored or used; and								N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implen	nentatio	n Stages	Status
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	The handling and disposal of bentonite slurries should be undertaken in accordance within ProPECC PN 1/94. Surplus bentonite slurries used in construction works shall be reconditioned and reused wherever practicable. Residual bentonite slurry shall be disposed of from the site as soon as possible as stipulated in Clause 8.56 of the General Specification for Civil Engineering Works. The Contractor should explore alternative disposed to a public filling area and liquid bentonite slurry, if mixed with inert fill material, to be disposed to a public filling area) and disposal at landfill should be the last resort.								N/A(1)
S4.2.1.1		To minimize construction water quality impact from barging point	Barging Point	Contractor and Sub- contractors	EIAO-TM WPCO		Y		N/A(1)
	All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material;								۸
	Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site; and								N/A(1)
	Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation.								^
S4.2.1.1	If chemical toilets and sewage holding tanks are required for handling sewage generated by the construction workforce, a licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	To minimize construction water quality impact from sewage and effluent	All works sites	Contractor	WPCO		Y		۸

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages D C		n Stages	Status
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	In order to protect against impacts to the surrounding marine waters of the KTTS and Victoria Harbour in the event of an accidental spillage of fuel or oil, the Contractor will be required to prepare a spill response plan to the satisfaction of AFCD, EPD, FSD, Police, TD and WSD to define procedures for the control, containment and clean-up of any spillage that could occur on the construction site.	To control water quality impact from accidental chemical spillage	All works sites	Contractor	EIAO-TM WPCO WDO		Y		N/A(1)
	The Contractor must, also, register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	To control water quality impact from accidental chemical spillage	All works sites	Contractor	EIAO-TM WPCO WDO		Y		N/A(1)
	Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.	To control water quality impact from accidental chemical spillage	All works sites	Contractor	EIAO-TM WPCO WDO		Y		N/A(1)
	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows:	To control water quality impact from accidental chemical spillage	All works sites	Contractor	EIAO-TM WPCO WDO		Y		N/A(1)
	Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport;								
	Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and								N/A(1)
	Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.							-	N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement			n Stages	Status
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S4.2.1.1	The road drainage in the tunnel should pass through oil interceptors to remove oil, and grease before being discharged into the public storm water drainage system;	To mitigate runoff from tunnel during the operational phase	Tunnel	CEDD	WPCO			Y	N/A
	Silt traps and oil interceptors should be cleaned and maintained regularly; and								N/A
	The oily contents of oil interceptors should be transferred to an appropriate disposal facility, or to be collected for reuse, if possible.								N/A
Marine Ecology									
\$5.3.1.1	Good construction practice measures have been recommended to be implemented as follows: Avoid damage and disturbance to the remaining and surrounding natural habitat;	Minimize waste generation during construction	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3		Y		N/A(1)
	Placement of equipment in designated areas within the existing disturbed land;							-	N/A(1)
	Spoil heaps should be covered at all times;								N/A(1)
	Construction activities should be restricted to the designated works areas; and								N/A(1)
	Disturbed areas to be reinstated immediately after completion of the works.								N/A(1)
Fisheries							-		
\$6.2.1.2	No fisheries specific mitigation measures.								

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement			n Stages	Status
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Landscape and	Visual								
\$7.2.1.2	All works shall be carefully designed to minimize impacts on existing landscape resources and visually sensitive receivers. Existing trees within works area shall be retained and protected.	To minimise impact on existing trees	All relevant works sites	CEDD's Contractor	EIAO TM	Y	Y		۸
\$7.2.1.2	Existing trees of good quality and condition that are unavoidably affected by the works should be transplanted.	To minimise impact on existing trees	All relevant works sites	CEDD's Contractor	EIAO TM	Y	Y		N/A
\$7.2.1.2	Large temporary stockpiles of excavated material shall be covered with unobtrusive sheeting to prevent dust and dirt spreading to adjacent landscape areas and vegetation, and to create a neat and tidy visual appearance.	To prevent unnecessary dust and dirt contaminating the air and adjacent areas.	All relevant works sites	CEDD's Contractor	EIAO TM		Y		^
\$7.2.1.2	Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance.	To mitigate potential visually obtrusive areas	All relevant works sites	CEDD's Contractor	EIAO TM		Y		٨
\$7.2.1.2	Erection of decorative screen hoarding should be designed to be compatible with the existing urban context.	To mitigate and screen any potential visually obtrusive areas and enhance urban environment	All relevant works sites	CEDD's Contractor	EIAO TM		Y		۸
\$7.2.1.2	All lighting in construction site shall be carefully controlled to minimize light pollution and night-time glare to nearby residences and GIC user. The contractor shall consider other security measures, which shall minimize the visual impacts.	To mitigate light pollution and adverse visual impacts on surrounding environment	All relevant works sites	CEDD's Contractor	EIAO TM		Y		۸
\$7.2.1.2	Compensatory tree planting shall be incorporated along all roadside amenity areas affected by the construction works. The required numbers and locations of compensatory trees shall be determined and agreed with the Government during Tree Removal Application process under ETWB TCW No. 3/2006.	To reinstate and maximise compensatory tree numbers to equal or greater conditions	All relevant works sites	CEDD's Contractor	EIAO TM		Y		N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	ecommended Agent or Require		Relevant Standard or Requirement	Impler	nentatio	n Stages	Status
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\$7.2.1.2	Compensatory tree planting shall be incorporated by the Project. The required numbers of compensatory trees shall follow the requirements of ETWB TCW No. 3/2006. Loss of amenity area adjacent to the Kwun Tong By-pass and planting areas in KTD South Apron will be mitigated by the creation of the Kai Tak South Apron: Amenity Area, which will be equal to or larger than the current provision.	To reinstate and maximise compensatory tree	All relevant works sites	CEDD's Contractor	EIAO TM		Y		N/A(1)
S7.2.1.2	Trees and shrubs and climbers etc. shall be planted to soften and screen proposed roads, central strip and associated structure, and to enhance streetscape greening effect where appropriate.	To mitigate hard surfaces and hard standing landscape areas and to soften and enhance proposed design features	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A
\$7.2.1.2	All works area, excavated area and disturbed area for tunnel construction and temporary road diversion or any other proposed works shall be reinstated to former conditions or better, with reasonable landscape treatment and to the satisfaction of the relevant Government departments.	To reinstate and maximise hard and soft landscape areas to equal or greater conditions	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A
\$7.2.1.2	Tunnel portals and all above ground structures shall be sensitively designed to ensure the element with colour, texture and tonal quality being compatible to the existing urban context. Trees and shrub planting to minimize the potential adverse landscape and visual impacts shall be included where space permits. Roof top greening and vertical greening shall also be provided.	To mitigate hard surfaces and hard standing landscape areas and to soften and enhance proposed design features	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A
\$7.2.1.2	All works shall be carefully designed to minimize impacts on existing landscape resources and visually sensitive receivers. Existing trees within works area shall be retained and protected.	To minimise impact on existing trees	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A
\$7.2.1.2	Existing trees of good quality and condition that are unavoidably affected by the works should be transplanted.	To minimise impact on existing trees	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A
Cultural Heritag	e						-		
\$8.2.1.1 and 8.2.1.2	No culture heritage specific mitigation measures								

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		Status	
						D	С	0	
Waste Managem	ent Implication								
\$9.2.1.2	The requirements as stipulated in the ETWB TC(W) No.19/2005 Environmental Management on Construction Sites and the other relevant guidelines should be included in the Particular Specification for the future contractor as appropriate.	To keep trace of the generation, minimization, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	ETWB TC(W) No.19/2005		Y		N/A
\$9.2.1.2	The future contractor should be requested to submit an outline Waste Management Plan (WMP) prior to the commencement of construction work, in accordance with the ETWB TC(W) No.19/2005 so as to provide an overall framework of waste management and reduction. The WMP should include: - Waste management policy; - Record of generated waste; - Waste reduction target; - Waste reduction programme; - Role and responsibility of waste management team; - Benefit of waste management; - Analysis of waste materials; - Reuse, recycling and disposal plans; - Transportation process of waste products; and - Monitoring and action plan.	To keep trace of the generation, minimization, reuse and disposal of C&D	All areas / throughout construction period	Contractor	ETWB TC(W) No.19/2005		Y		N/A(1)
89.2.1.2	The waste management hierarchy should be strictly followed. This hierarchy should be adopted to evaluate the waste management options in order to maximise the extent of waste reduction and cost reduction. The records of quantities of waste generated, recycled and disposed (locations) should be properly documented.	To keep trace of the generation, minimization, reuse and disposal of C&D	All areas / throughout construction period	Contractor	ETWB TC(W) No.19/2005		Y		N/A(1)
\$9.2.1.2	A trip-ticket system should be established in accordance with DevB TC(W) No. 6/2010 and Waste Disposal (Charges for Disposal of Construction Waste) Regulation to monitor the disposal of public fill and solid wastes at public filling facilities and landfills, and to control fly-tipping. A trip-ticket system would be included as one of the contractual requirements for the future contractor to strictly implement. The Engineer would also regularly audit the effectiveness of the system.	of waste and control	All areas / throughout construction period	Contractor	DEVB TC(W) No. 6/2010		Y		N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implen	nplementation Stages		Implementation Stages		Status
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\$9.2.1.2	A recording system for the amount of waste generated, recycled and disposed (locations) should be established. The future contractor should also provide proper training to workers regarding the appropriate concepts of site cleanliness and waste management procedures, e.g. waste reduction, reuse and recycling all the time.	To monitor disposal of waste and control fly-tipping	All areas / throughout construction period	Contractor	DEVB TC(W) No. 6/2010		Y		N/A(1)		
\$9.2.1.2	The CEDD should be timely notified of the estimated spoil volumes to be generated and the PFC should be notified and agreement sort on the disposal of surplus inert C&D materials e.g. good quality rock during detailed design of the Trunk Road T2 Project. Wherever practicable, C&D materials should be segregated from other wastes to avoid contamination and to ensure acceptability at public filling areas or reclamation sites.	To monitor disposal of waste and control fly-tipping	All areas / throughout construction period	Contractor	DEVB TC(W) No. 6/2010		Y		N/A(1)		
\$9.2.1.2	The extent of cutting operation should be optimised where possible. Earth retaining structures and bored pile walls should be proposed to minimise the extent of cutting.	To minimize, reuse and disposal of C&D materials		Contractor	DevB TC(W) No.6/2010		Y		N/A(1)		
\$9.2.1.2	Inert C&D materials from road pavement would be reused for backfilling where possible	To minimize, reuse and disposal of C&D materials		Contractor	DevB TC(W) No.6/2010		Y		N/A(1)		
\$9.2.1.2	TBM generated alluvium and other C&D materials should be treated at a slurry treatment plant prior to transferring to Public Fill Reception Facilities.	To minimize, reuse and disposal of C&D materials	TMB works area / during TBM works	Contractor	DevB TC(W) No.6/2010		Y		N/A		
\$9.2.1.2	The site and surroundings should be kept tidy and litter free.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		^		

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages				Status
						D	С	0		
89.2.1.2	No waste is allowed to be burnt on site.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		۸	
\$9.2.1.2	Make provisions in contract documents to allow and promote the use of recycled aggregates where appropriate.	To implement good site practice for handling, sorting reuse and recycling of wastes	Detailed Design	Design Consultant	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010	Y			N/A(1)	
\$9.2.1.2	Prohibit the future contractor to dispose of C&D materials at any sensitive locations e.g. natural habitat, etc. The future contractor should propose the final disposal sites in the WMP for approval before implementation.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		N/A(1)	
\$9.2.1.2	Stockpiled C&D materials should be covered by tarpaulin and/or watered as appropriate to prevent windblown dust and surface run off.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		۸	
\$9.2.1.2	Excavated C&D materials in trucks should be covered by tarpaulins to reduce the potential for spillage and dust generation.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		۸	
\$9.2.1.2	Wheel washing facilities should be used by all trucks leaving the site to prevent transferring mud trails onto public roads.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		۸	
\$9.2.1.2	Excavated marine deposit (sediment) should be disposed of in a gazetted marine disposal ground under the requirements of the DASO or treated for backfilling.	To ensure proper disposal of marine sediment	All areas / throughout construction period	Contractor	ETWB TC(W) No.34/2002		Y		N/A(1)	

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Impler	nentatio	Status	
						D	С	0	
\$9.2.1.2	Standard formwork or pre-fabrication should be used as far as practicable to minimise the C&D materials arising. The use of more durable formwork or plastic facing for construction works should also be considered. The use of wooden hoardings should be avoided and metal hoarding should be used to facilitate recycling. Purchasing of construction materials should be carefully planned in order to avoid over-ordering and wastage.	To minimize, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		N/A(1)
\$9.2.1.2	The future contractor should recycle as many C&D materials as possible on-site. The public fill and C&D waste should be segregated and stored in separate containers or skips to facilitate the reuse or recycling of materials and proper disposal. Where practicable, the concrete and masonry should be crushed and used as fill materials. Steel reinforcement bar should be collected for use by scrap steel mills. Different areas of the sites should be considered for segregation and storage activities.	To minimize, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		^
\$9.2.1.2	All falsework should be steel instead of wood as far as practicable.	To minimize, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	DevB TC(W) No.6/2010		Y		N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Impler	nentatio	Status	
						D	C	0	
\$9.2.1.2	Chemical waste producers should register with the EPD and chemical waste should be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows: - Suitable for the substance to be held, resistant to corrosion, maintained in good conditions and securely closed; - Having a capacity of <450L unless the specifications have been approved by the EPD; and - Displaying a label in English and Chinese according to the instructions prescribed in Schedule 2 of the Regulations. - Clearly labelled and used solely for the storage of chemical wastes; - Enclosed with at least 3 sides; - Impermeable floor and bund with 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 greatest; - Adequate ventilation; - Sufficiently covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and - Incompatible materials are adequately separated.	To properly store the chemical waste within works sites and works areas	All areas / throughout construction period	Contractor	Code of Practice on the Packaging, Handling and Storage of Chemical Wastes		Y		N/A(1)
\$9.2.1.2	Waste oils, chemicals or solvents should not be disposed of to drain.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	EIAO TM		Y		^

EM&A Ref.	ef. Recommended Mitigation Measures		Location/Timing	Implementation Agent	Relevant Standard or Requirement	Impler	nentatio	Status	
						D	C	0	
\$9.2.1.2	Adequate numbers of portable toilets should be provided for on-site workers. Portable toilets should be maintained in reasonable states, which will not deter the workers from utilising them. Night soil should be regularly collected by licensed collectors.	To ensure proper disposal of sewage sludge	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		N/A(1)
\$9.2.1.2	General refuse arising on-site should be stored in enclosed bins or compaction units separately from C&D and chemical wastes. Sufficient dustbins should be provided for storage of waste as required under the Public Cleansing and Prevention of Nuisances By- laws. In addition, general refuse should be cleared daily and disposed of to the nearest licensed landfill. Burning of refuse on construction sites is prohibited.	To separate the general refuse from other waste types and proper disposal of the refuse	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		٨
\$9.2.1.2	All waste containers should be in a secure area on hardstanding.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		۸
\$9.2.1.2	Aluminium cans should be collected and recovered from the waste stream by reputable collectors if they are segregated and easily accessible. Separately labelled bins for their deposition should be provided as far as practicable.	To implement on-site sorting facilitating reuse and recycling of materials as well as proper disposal of waste	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		N/A(1)
\$9.2.1.2	Office wastes can be reduced by recycling of paper if such volume is sufficiently large to warrant collection. Participation in a local collection scheme by the future contractor should be advocated. Waste separation facilities for paper, aluminium cans, plastic bottles, etc should be provided on-site.	To separate the general refuse from other waste types and proper disposal of the refuse	*	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implen	nentatio	n Stages	Status
						D	С	0	
\$9.2.1.2	including waste reduction, reuse and recycling.	To implement good site practice for handling, sorting reuse and recycling of wastes	Contract Mobilisation	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		N/A(1)
\$9.2.1.2		To ensure proper control, all waste is removed from site areas as appropriate and illegal disposal of waste is not being undertaken	All areas / throughout construction period	Contractor	EIAO TM		Y		^

Remarks: EM	I&A Programme under EP-451/2013
D	Design
С	Construction
Y	Yes
0	Operation
^	Compliance of mitigation measure;
N/A N/A(1)	Not applicable at this stage; Not observed;
*	Recommendation was made during site audit but improved/retified by the contractor;
#	Recommendation was made during site audit but not yet improved/retified by the contractor;
Х	Non-compliance of mitigation measure;
•	Non-compliance but rectified by the contractor.

APPENDIX L SUMMARIES OF ENVIRONMENTAL COMPLAINT, WARNING, SUMMON AND NOTIFICATION OF SUCCESSFUL PROSECUTION

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Development at the Former South Apron

Appendix L – Summary of environmental complaint, warning, summon and notification of successful prosecution

Reporting Month: April 2021

Log Ref.	Location	Received Date	Details of Complaint/war ning/summon and prosecution	Investigation/Mitigation Action	Status
-	-	-	-	-	-

Remarks:

No environmental complaint/warning/summon and prosecution were received in the reporting period.

APPENDIX M SUMMARY OF EXCEEDANCE

Environmental Permit No.: EP-451/2013 Environmental Team for Trunk Road T2

Appendix M – Summary of Exceedance

Reporting Month: April 2021

(A) Exceedance Report for Air Quality No Action Level and Limit Level exceedance of 24hr TSP monitoring was recorded in this reporting month.

(B) Exceedance Report for Construction Noise

<u>Action Level for Construction Noise</u> No Action Level exceedance was recorded in this reporting month.

<u>Limit Level for Construction Noise</u> No Limit Level exceedance for daytime construction noise monitoring was recorded in the reporting month.

(C) Summary of Landscape and Visual Non-Conformity (NIL in the reporting month)

APPENDIX N TENTATIVE CONSTRUCTION PROGRAMME

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021 January February March April May June July
		(72)	02-Mar-20	11 Jun 22	221	22 Con 20 A	22 Oct 21	03 10 17 24 31 07 14 21 28 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25
	ROGRAMME (01V3)	6/2		11-Jun-22	321	22-Sep-20 A	23-Oct-21	
DESIGN SU	JBMISSION & APPROVAL	672	02-Mar-20	11-Jun-22	293	22-Sep-20 A	17-Sep-21	
GENERAL		340	02-Mar-20	27-Apr-21	261	22-Sep-20 A	11-Aug-21	▼ G ENERAL
Design Mer		0	02-Mar-20	02-Mar-20	102	08-Jan-21 A	15-May-21	
	Design Memorandum - 3th Review	0			5	08-Jan-21 A	13-Jan-21 A	Design Memorandum - 3th Review
	Design Memorandum - 4th Sub	0			5	14-Jan-21 A	19-Jan-21 A	Design Memorandum - 4th Sub
A229428892	Design Memorandum - 4th Review	0			23	20-Jan-21 A	18-Feb-21 A	Design Memorandum - 4th Review
A229429360	Design Memorandum - 5th Sub	0			29	19-Feb-21 A	24-Mar-21 A	Design Membrandum - 5th Sub
A229429370	Design Memorandum - 5th Review	0			19	25-Mar-21 A	20-Apr-21 A	Design Memorandum - 5th Review
A229431000	Design Memorandum - 5th Sub	0			21	21-Apr-21 A	15-May-21	Design Memorandum + 5th Sub
A22690	Design Memorandum - Approval	0		02-Mar-20	0		15-May-21	◆ Design Memorandum - Approval
Constructio	on Traffic Impact Assessment - Kai Tak Area	0	10-Jun-20	10-Jun-20	115	12-Dec-20 A	07-May-21	
A229426161	CTIA Kai Tak Area - Resubmission	0			33	12-Dec-20 A	22-Jan-21 A	CTIA Kai Tak Area - Resubmission
A229426171	CTIA Kai Tak Area - 4th Sub	0			0		22-Jan-21 A	◆ CTIA Kai Tak Area - 4th Sub
A229426181	CTIA Kai Tak Area - 4th Review	0			20	23-Jan-21 A	11-Feb-21 A	CTIA Kai Tak Area - 4th:Review
A229429380	CTIA Kai Tak Area - Resubmission	0			32	12-Feb-21 A	24-Mar-21 A	CTIA Kai Tak Area:- Resubmistion
A229429390	CTIA Kai Tak Area - 5th Sub	0			0		24-Mar-21 A	◆ CTIA Kai Tak Area:- 5th \$ub
A229429400	CTIA Kai Tak Area - 5th Review	0			44	25-Mar-21 A	07-May-21	CTIA Kai Tak Area - 5th Review
A22720	CTIA Kai Tak Area - Approval	0		10-Jun-20	0		07-May-21	◆ CTIA Kai Tak Area - Approval
Durability A	As sessment Report	0	07-May-20	07-May-20	94	19-Jan-21 A	18-May-21	
A229426141	Durability Assessment Report - 5th Sub	0			0		19-Jan-21 A	◆ Durability Assessment Report - 5th Sub
A229426151	Durability Assessment Report - 5th Review	0			29	20-Jan-21 A	25-Feb-21 A	Durability Assessment Report - 5th Review
A229431010	Durability Assessment Report - Resubmission	0			30	26-Feb-21 A	01-Apr-21 A	Durability Assessment Report - Resubmission
A229431020	Durability Assessment Report - 5th Sub	0			0		01-Apr-21 A	Durability Assessment Report - 5th Sub
A229431030	Durability Assessment Report - 5th Review	0			35	02-Apr-21 A	18-May-21	Durability Assessment Report - 5th Review
A22730	Durability Assessment Report - Approval	0		07-May-20	0		18-May-21	◆ Durability Assessment Report - Approval
ACABAS -	Western Tunnel Portal and Concrete Finishes for Retaining Struc	50	10-Aug-20	08-Oct-20	113	16-Dec-20 A	08-May-21	tructure
B18010	DDA - Further information required by SO	22	10-Aug-20	03-Sep-20	56	16-Dec-20 A	25-Feb-21 A	DDA - Further information required by SO
B18020	DDA - 2nd Sub	0		03-Sep-20	0		25-Feb-21 A	◆ DDA - 2nd \$ub
B18030	DDA - 2nd Review by SO	35	04-Sep-20	08-Oct-20	72	26-Feb-21 A	08-May-21	DDA - 2nd Review by SO
B18040	DDA - SO Consent for Construction	0		08-Oct-20	0		08-May-21	◆ DDA - SO/Consent for Construction
ACABAS-	Footbridge FB-02	78	09-Oct-20	12-Jan-21	78	10-May-21	11-Aug-21	▼ ACABAS- Footbridge FB-02
B266491	DDA - Draft - Preparation by Designer	48	09-Oct-20	04-Dec-20	48	10-May-21	07-Jul-21	DDA - Draft - Prep
B266421	DDA - Draft - Final Review and prepare for 1st Sub	30	05-Dec-20	12-Jan-21	30	08-Jul-21	11-Aug-21	
CLP Substa	ation - Building Services and Underground Utilities Design	0	01-Jun-20	01-Jun-20	143	11-Nov-20 A	08-May-21	
B2595251	DDA - 4th Review by SO	0			143	11-Nov-20 A	08-May-21	DDA - 4th Review by SO
B266841	DDA - SO Consent for Construction	0		01-Jun-20	0		08-May-21	◆ DDA - SO Consent for Construction
CLP Substa	ation - ABWF	30	16-May-20	19-Jun-20	182	22-Sep-20 A	07-May-21	
B266911	DDA - 2nd Review by SO	35	16-May-20	19-Jun-20	228	22-Sep-20 A	07-May-21	DDA- 2nd Review by SO
B266931	DDA - SO Consent for Construction	0	-	19-Jun-20	0		07-May-21	◆ DDA- SO Consent for Construction
DDA Projec	ct Alignment	0	20-May-20	20-May-20	71	11-Dec-20 A	11-Mar-21 A	
	DDA - 3rd Sub	0			0		11-Dec-20 A	
B2596031	DDA - 3rd Review by SO	0			35	12-Dec-20 A	15-Jan-21 A	DDA - 3rd Review by SO
B2596611	DDA - Further information required by SO	0			11	16-Jan-21 A	28-Jan-21 A	DDA - Further information required by SO
	DDA - 4th Sub	0			0		28-Jan-21 A	◆ DDA - 4th Sub
B2596631	DDA - 4th Review by SO	0			42	29-Jan-21 A	11-Mar-21 A	DDA - 4th Revięw:by SO
	DDA - SO Consent for Construction	0		20-May-20	0		11-Mar-21 A	◆ DDA - SO Consent for Construction
AIP Roadw	orks and Street Furniture	42	01-Oct-20	21-Nov-20	117	10-Dec-20 A	07-May-21	urie
B267091	AIP - Further information required by SO	24	01-Oct-20	24-Oct-20	45	10-Dec-20 A	23-Jan-21 A	AIP: Further information required by SO
		1	1	1				
		1						Data Data Charlend Amproved

Page 1 of 25 Data Date: 01-May-21 Milestone
 Planned Bar

Summary

Actual Milestone
 Actual Work

Baseline Milestone
 Baseline Bar

iticalActivity

ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS



Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
17-Jul-20	01V2	SPa/LLo	WYu
09-Oct-20	01V3	SPa/LLo	WYu

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish		2021	N
								January February 03 10 17 24 31 07 14 21 28	March April 07 14 21 28 04 11 18 25	May June July 02 09 16 23 30 06 13 20 27 04 11 18 25
B267111	AIP - 2nd Sub	0		24-Oct-20	0		23-Jan-21 A	AIP 2nd Sub		
B267101	AIP - 2nd Review by SO	28	25-Oct-20	21-Nov-20	30	25-Jan-21 A	23-Feb-21 A	AlP - 1	2nd Review by SO	
B2597061	AIP - Further information required by SO	0			34	24-Feb-21 A	29-Mar-21 A		AIP - Further information re	quired by SQ
B2597071	AIP - 3rd Sub	0			0		29-Mar-21 A		♦ AIP - 3rd Sub	
B2597081	AIP - 3rd Review by SO	0			37	01-Apr-21 A	07-May-21			AIP 3rd Review by SO
B267121	AIP - SO Consent for DDA Submission	0		21-Nov-20	0		07-May-21			♦ AIP SO Consent for DDA Submission
	works and Street Furniture	75	23-Nov-20	24-Feb-21	78	08-May-21	10-Aug-21	DDA	Roadworks and Street Furniture	
B11690	DDA - Draft - Preparation by Designer	36	23-Nov-20	06-Jan-21	36	08-May-21	21-Jun-21			DDA Draft - Preparation by Des
B11700	DDA - Draft - Final Review and prepare for 1st Sub	18	07-Jan-21	27-Jan-21	18	22-Jun-21	13-Jul-21			DDA - Draft -
B11710	DDA - 1st Sub	0		27-Jan-21	0		13-Jul-21	▲		◆ DDA - 1 st Su
B11730	DDA - Review by SO	28	28-Jan-21	24-Feb-21	28	14-Jul-21	10-Aug-21			
B11720	DDA - Review by IP / DC	28	28-Jan-21	24-Feb-21	28	14-Jul-21	10-Aug-21			affic Sign, Road Marking & Sign Gantry
	Sign, Road Marking & Sign Gantry	0	21-Apr-21	21-Apr-21	53	01-Dec-20 A	03-Feb-21 A	with a sinformation required by SD	▼ AIP I	aine sign, Road Marking & Sign Gantry
B2596251	AIP - Further information required by SO	0			18	01-Dec-20 A	21-Dec-20 A	urther information required by SO		
B2596271	AIP - 2nd Sub				0	22 Dec 20 A	21-Dec-20 A 03-Feb-21 A	hd Sub AIP - 2nd Review by SC		
B2596261	AIP - 2nd Review by SO AIP - SO Consent for DDA Submission	0		01 Apr 01		22-Dec-20 A	03-Feb-21 A 03-Feb-21 A			O Consent for DDA Submission
B267201		26	23-Mar-21	21-Apr-21	0	20-Jan-21 A	12-Jun-21	· · · · · · · · · · · · · · · · · · ·		DA Street Lighting (AGR/ DPR/ S20/L10/ L18)
B267641	t Lighting (AGR/DPR/S20/L10/L18) DDA - 2nd Sub	20	23-1VId1-21	27-Apr-21 23-Mar-21	0	ZU-JdII-Z T A	20-Jan-21 A		◆ DDA - 2nd Sub	
B267631	DDA - 2nd Review by SO	35	24-Mar-21	27-Apr-21	19	21-Jan-21 A	08-Feb-21 A	- · · · · · · · · · · · · · · · · · · ·		DA - 2nd Review by SO
B2596791	DDA - Further information required by SO	0	24-10101-21		26	09-Feb-21 A	13-Mar-21 A		DDA - Further information required by SC	
B2596811	DDA - 3rd Sub	0			0	07-1 CD-21 A	13-Mar-21 A		DDA - 3rd Sub	
B2596801	DDA - 3rd Sub DDA - 3rd Review by SO	0			32	15-Mar-21 A	15-Apr-21 A	+++	DDA - 3rd R	eview by SO
B2597541	DDA - Further information required by SO	0			19	16-Apr-21 A	08-May-21	┫╡		DDA - Further information required by SO
B2597561	DDA - 3rd Sub	0			0	10 / 10 / 21 / /	08-May-21			◆ DDA - 3rd Sub
B2597551	DDA - 3rd Review by SO	0			35	09-May-21	12-Jun-21			DDA - 3rd;Review by \$O
B267651	DDA - SO Consent for DDA Submission	0		27-Apr-21	0		12-Jun-21		→ → → → → → → → → → → → → → → → → → →	DDA - SO Consent for DDA Submission
	ural Health Monitoring System (SHMS)	59	13-Oct-20	22-Dec-20	48	21-Jan-21 A	22-Mar-21 A	ructural Health Monitoring System (SHMS)		
	AIP - 1st Sub	0		13-Oct-20	0		21-Jan-21 A	◆ AIP - 1st Sub		
B267421	AIP - Review by SO	28	14-Oct-20	10-Nov-20	15	22-Jan-21 A	05-Feb-21 A	AIP - Review by SO		
B267491	AIP - Review by IP / DC	28	14-Oct-20	10-Nov-20	19	22-Jan-21 A	09-Feb-21 A	AIP - Review by IP	P/DC	
B267441	AIP - Further information required by SO	12	11-Nov-20	24-Nov-20	25	06-Feb-21 A	10-Mar-21 A		AIP - Further information required by SO	
B267461	AIP - 2nd Sub	0		24-Nov-20	0		10-Mar-21 A		AIP - 2nd Sub	
B267451	AIP - 2nd Review by SO	28	25-Nov-20	22-Dec-20	12	11-Mar-21 A	22-Mar-21 A		AIP - 2nd Review by SO	
B267471	AIP - SO Consent for DDA Submission	0		22-Dec-20	0		22-Mar-21 A		AIP - SQ Consent for DDA Subm	ission
DDA Struc	tural Health Monitoring System (SHMS)	80	23-Dec-20	06-Apr-21	105	23-Mar-21 A	31-Jul-21		▼ DDA Structural Hea	th Monitoring System (SHMS)
B18150	DDA - Draft - Preparation by Designer	36	23-Dec-20	05-Feb-21	57	23-Mar-21 A	03-Jun-21			DDA - Draft - Preparation by Designer
B18160	DDA - Draft - Final Review and prepare for 1st Sub	24	06-Feb-21	09-Mar-21	24	04-Jun-21	03-Jul-21			DDA - Draft - Final Re
B18170	DDA - 1st Sub	0		09-Mar-21	0		03-Jul-21		♦	◆ DDA - 1st¦Sub
B18200	DDA - Review by SO	28	10-Mar-21	06-Apr-21	28	04-Jul-21	31-Jul-21			
B18180	DDA - Review by IP / DC	28	10-Mar-21	06-Apr-21	28	04-Jul-21	31-Jul-21			
AIP Lands	cape Design	69	29-Aug-20	20-Nov-20	119	14-Dec-20 A	13-May-21			
B267501	AIP - Draft - Final Review and prepare for 1st Sub	12	29-Aug-20	11-Sep-20	12	14-Dec-20 A	29-Dec-20 A	AIP - Draft - Final Review and prepare for 1st Sub		
B267521	AIP - 1st Sub	0		11-Sep-20	0		29-Dec-20 A	AIP - 1st Sub		
B267511	AIP - Review by SO	28	12-Sep-20	09-Oct-20	31	30-Dec-20 A	29-Jan-21 A	AIP - Review by \$O		
B267581	AIP - Review by IP / DC	28	12-Sep-20	09-Oct-20	129	30-Dec-20 A	07-May-21	· · · · · · · · · · · · · · · · · · ·		AIP - Review by IP / DC
B267531	AIP - Further information required by SO	12	10-Oct-20	23-Oct-20	31	30-Jan-21 A	10-Mar-21 A		AIP - Further information required by SO	
B267551	AIP - 2nd Sub	0		23-Oct-20	0		10-Mar-21 A		◆ AIP - 2nd Sub	AIP - 2nd Review by SO
B267541	AIP - 2nd Review by SO	28	24-Oct-20	20-Nov-20	64	11-Mar-21 A	13-May-21			
B267561	AIP - SO Consent for Construction	0		20-Nov-20	0		13-May-21			◆ AIP - SO Consent for Construction
Page 2 of 25	Miestone Summary									Date Revision Checked Approved
Data Date: 0	1-May-21 Planned Bar	F	ר/201	8/04 T	run	k Road	T2 and	Infrastructure Works		05-Nov-19 00V0 WYu
	Critical A divity								BOUYGUES	18-Dec-19 00V1 WYu
	Actual Wilestone			tor L	Jev	elopme	nts at S	outh Apron	TRAVAUX PUBLICS	22-Feb-20 01V0 SPa/LLo WYu 09-Apr-20 01V1 SPa/LLo WYu
	Baseline Milestone		<u> </u>	- -			_			09-Apr-20 01V1 SParLLo WYu 17-Jul-20 01V2 SParLLo WYu
	Baseline Bar		Th	ree M	ontl	hs Rollir	ng Prog	ramme (Apr-21)		09-Oct-20 01V3 SPa/LLo WYu
							- 0	· · /		

DDA Landscape Design 64 148-02 64 148-02 64 148-02 64 148-02 64 148-02 64 148-02 64 148-02 <	June July 06 13 20 27 04 11 18 25 DDA - Draft - Prepar DDA - Draft - Prepar
Bit/do DDA Dna	DDA - Draft - Prepar
Bit Add DDA-Delta: Heal Robeks and proper for 1st Sub 24 1 a-brin 1 09-bit 2 24 00-bit 2	DDA - Draft - Prepar
MISC. TEMP WORKS 0 0 84-bit 20 0 84-bit 20 0 12-bit 71A 12-bit 71A 12-bit 71A Seawall checkings for temporary cases (Loading / Unloading) 0 0 64-bit 20 0 12-bit 71A 12-bit 71A 0	
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B2540.31 DDA - 4th Sub 0 1 0 17-Dec 20A Sub DDA - 4th Review by SO 0	
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B15740 DDA -SO Consent for Construction 0 29-Jul-20 0 09-Feb-21 A 10-DA DR -SO Consent for Construction DDA DR - Permanent Structure 30 04-Nov-20 0 11-Dec-20A 15-Apr-21A anent Structure B15820 DDA - 2nd Sub 0 04-Nov-20 0 11-Dec-20A 15-Apr-21A anent Structure B15820 DDA - 2nd Review by SO 35 05-Nov-20 09-Dec-20 20 12-Dec-20A 31-Dec-20A DDA - 2nd Review by SO B2596371 DDA - 2nd Review by SO 0 - 34 02-Jan-21A 10-Feb-21A DDA - Further information required by SO B2596381 DDA - 2nd Review by SO 0 - 34 02-Jan-21A 10-Feb-21A - DDA - 2nd Review by SO -	
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B15830 DDA - 2nd Review by SO 35 05-Nov-20 90-Dec-20 31-Dec-20A 31-Dec-20A 31-Dec-20A 31-Dec-20A 31-Dec-20A DDA - 2nd Review by SO 1 <th1< th=""> 1 <th1< th=""> <</th1<></th1<>	
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B15850 DDA - SO Consent for Construction 0 0 09-Dec-20 0 15-Apr - 21 A 0 0 15-Apr - 21 A 0	
DDA DPR Portal Structure 16 23-Sep-20 16-Feb-21 170 24-Dec-20A 26-Jul-21 DDA DPR Portal Structure Image: Control of the preparation by Designer	
B15860 DDA - Draft - Preparation by Designer 30 23 - Sep - 20 30 - OCt - 20 24 24 - Dec - 20 A 23 - Jan - 21 A DDA Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A DDA - Draft - Preparation by Designer Image: Control of the seg - 20 A Image: Control o	
B15870 DDA - Draft - Final Review and prepare for 1st Sub 24 31 - Oct - Oc	
B15880 DDA - 1st Sub 0 27 - Nov-20 0 08 - May-21 08 - May-21 08 - May-21 00 - May-21<	
B15910 DDA - Review by SO 28 28-Nov-20 25-Dec-20 28 09-May-21 05-Jun-21 Image: Control of the control	eview and prepare for 1st Sub
B15890 DDA - Review by IP / DC 28 28-Nov-20 25-Dec-20 28 09-May-21 05-Jun-21 B15920 DDA - Further information required by SO 12 28-Dec-20 11-Jan-21 12 07-Jun-21 21-Jun-21 B15930 DDA - 2nd Sub 0 11-Jan-21 0 21-Jun-21 4 0 11-Jan-21 0 11-Jan-21 0 11-Jan-21 14 11-Jan-21 <t< td=""><td></td></t<>	
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B15960 DDA - SO Consent for Construction 0 16-Feb-21 0 ♦	
WEST VENTILATION BUILDING [WVB] 289 16-Jul-20 07-Jul-21 194 23-Dec-20 A 21-Aug-21	V WEST VENTILATI
DDA WVB - ELS Design (DCRA + Dewatering & Pumping Test) 0 02-Dec-20 133 28-Dec-20 A 12-Jun-21 (DCRA + Dewatering & Pumping Test)	
B2596111 DDA - 3rd Sub 0 0 0 28-Dec-20 A DDA - 3rd Sub B2596121 DDA - 3rd Review by SO 0 14 29-Dec-20 A 11-Jan-21 A DDA - 3rd Review by SO	
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B2597101 DDA - 4th Review by SO 0 35 09-May-21 12-Jun-21 B13900 DDA - SO Consent for Construction 0 02-Dec-20 0 12-Jun-21	◆ DDA - SO Consent for Construction
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B2597131 DDA - 3rd Review by SO 0 35 12-May-21 15-Jun-21	DDA - 3rd Review by SO
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DDA WVB - Permanent Structure 92 09-Dec-20 07-Apr-21 140 23-Dec-20 A 18-Jun-21	
B14430 DDA - Draft - Final Review and prepare for 1st Sub 12 09-Dec-20 22-Dec-20 33 23-Dec-20 A 02-Feb-21 A DDA - Draft - Final Review and prepare for 1st Sub	
B1440 DDA - 1st Sub 0 22-Dec-20 0 02-Feb-21 A ♦ DDA - 1st Sub	
B14470 DDA - Review by SO 28 23-Dec-20 19-Jan-21 45 03-Feb-21 A 19-Mar-21 A	
B14450 DDA - Review by IP / DC 28 23-Dec-20 19-Jan-21 94 03-Feb-21 A 07-May-21	DC
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Actual Work IOT DEVELOPMENTS AT COULT APTON	- IOLA/LLO IVVIU I
A Baseline Miestone Baseline Bar Throp Monthe Polling Drogrommo (Apr 21)	SPa/LLo WYu
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Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021			
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B14490	DDA - 2nd Sub	0		26-Feb-21	0		14-May-21		DDA - 2nd :		
B14500	DDA - 2nd Review by SO	35	27-Feb-21	02-Apr-21	35	15-May-21	18-Jun-21			DDA;- 2nd	d Review by SO
B14520	DDA - SO Consent for Construction	0		07-Apr-21	0		18-Jun-21	♦		◆ DDA- SO	Consent for Constructior
DDA WVB	- ABWF	89	23-Dec-20	16-Apr-21	93	03-May-21	21-Aug-21	V DDA WVB	ABWF		
B14530	DDA - Draft - Preparation by Designer	45	23-Dec-20	19-Feb-21	45	03-May-21	25-Jun-21				A - Draft - Preparation by
B14540	DDA - Draft - Final Review and prepare for 1st Sub	24	20-Feb-21	19-Mar-21	24	26-Jun-21	24-Jul-21				DD.
B14550	DDA - 1st Sub	0		19-Mar-21	0		24-Jul-21				◆ DD
B14580	DDA - Review by SO	28	20-Mar-21	16-Apr-21	28	25-Jul-21	21-Aug-21		· · · · · · · · · · · · · · · · · · ·		
B14560	DDA - Review by IP / DC	28	20-Mar-21	16-Apr-21	28	25-Jul-21	21-Aug-21	· · · · · · · · · · · · · · · · · · ·			
	- General Building Plan	58	27-Apr-21	07-Jul-21	133	30-Dec-20 A	15-Jun-21		¹		DDA WVB - Gener
B14700	DDA - Further information required by SO	30	27-Apr-21	02-Jun-21	40	30-Dec-20 A	18-Feb-21 A			 DDA - Further information DDA - 2nd Sub 	on required by SO
B14710	DDA - 2nd Sub	0	02 1	02-Jun-21	0	10 5-6 01 4	18-Feb-21 A				DDA - 2nd Review
B14720	DDA - 2nd Review by SO	35	03-Jun-21	07-Jul-21	18 50	19-Feb-21 A	08-Mar-21 A			information required by SO	
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B2597181 B2597171	DDA - 3rd Review by SO	0			35	12-May-21	15-Jun-21		, ♥ DDA - 310 30p	DDA - 3rd R	aview by SO
B14730	DDA - SIG Review by SO DDA - SO Consent for Construction	0		07-Jul-21	0	12-101d y-2 1	15-Jun-21				◆ DDA - SO Consen
	- Aesthetic Design	119	16-Jul-20	07-Jui-21 04-Dec-20	134	18-Feb-21 A	02-Aug-21	Design			
	DDA - Draft - Preparation by Designer	48	16-Jul-20	04-Dec-20 09-Sep-20	64	18-Feb-21 A	02-Aug-21 08-May-21		DDA - Draft - Pre	paration by Designer	
B2594811	DDA - Draft - Final Review and prepare for 1st Sub	24	10-Sep-20	09-Oct-20	24	10-May-21	07-Jun-21				Review and prepare for 1
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	DDA - Review by IP / DC	28	10-Oct-20	06-Nov-20	28	08-Jun-21	05-Jul-21				DDA - Review by IP
	DDA - Further information required by SO	24	07-Nov-20	04-Dec-20	24	06-Jul-21	02-Aug-21				
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B2597201	DDA - 4th Sub	0			0		08-May-21		DDA - 4th Sub		
B2597191	DDA - 4th Review by SO	0			35	09-May-21	12-Jun-21			DDA - 4th Revi	ew by \$O
B15030	DDA - SO Consent for Construction	0		17-Feb-21	0		12-Jun-21			DDA - SO Con	sent for Construction
DDA South	Apron A dit - Permanent Structure	96	20-Nov-20	18-Mar-21	143	23-Dec-20 A	22-Jun-21	DDA \$outh Apron Adit - Permanent	Structure		
B15150	DDA - Draft - Final Review and prepare for 1st Sub	24	20-Nov-20	17-Dec-20	33	23-Dec-20 A	02-Feb-21 A	DDA - Draft - Final Review and prepare for 1st Sub			
B15160	DDA - 1st Sub	0		17-Dec-20	0		02-Feb-21 A	◆ DDA - 1st Sub			
B15190	DDA - Review by SO	28	18-Dec-20	14-Jan-21	45	03-Feb-21 A	19-Mar-21 A	DDA:- Review by, SO			
B15170	DDA - Review by IP / DC	28	18-Dec-20	14-Jan-21	94	03-Feb-21 A	07-May-21		DDA - Review by	IP / DC	
B15200	DDA - Further information required by SO	24	15-Jan-21	11-Feb-21	46	20-Mar-21 A	18-May-21		DDA - Fi	urther information required by	y SO
B15210	DDA - 2nd Sub	0		11-Feb-21	0		18-May-21		◆ DDA - 21	nd Sub	
B15220	DDA - 2nd Review by SO	35	12-Feb-21	18-Mar-21	35	19-May-21	22-Jun-21				2nd Review by SO
B15230	DDA - SO Consent for Construction	0		18-Mar-21	0		22-Jun-21			◆ DDA -	\$0 Consent for Construc
	RON ROAD WORKS	540	12-Aug-20	11-Jun-22	219	01-Dec-20 A	28-Aug-21				
	S20 - Alignment, Traffic Sign, Road Marking and Traffic Light	0	14-Aug-20	14-Aug-20	60	10-Dec-20 A	25-Feb-21 A				
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	DDA - 6th Sub	0			0		10-Dec-20 A				
	DDA - 6th Review by SO	0			16	11-Dec-20 A	31-Dec-20 A	DDA - 6th Review by SO			
B2596401	DDA - Further information required by SO	0			26	02-Jan-21 A	01-Feb-21 A	DDA - Further information required by \$0			
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B253301	DDA - SO Consent for Construction	0	<u> </u>	14-Aug-20	0		25-Feb-21 A	◆ DDA SO Consent for Construction			
Page 4 of 25	Milestone Summary								Date	Revision Checke	ed Approved
Data Date: 01	1-May-21 Planned Bar	F	D/201	8/04 T	run	k Road	T2 and	Infrastructure Works		VO WYu	
	CriticalAdivity							DOUNCOULE		V1 WYu V0 SPa/LLo	WYu
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	Search and the search		 .				-			V2 SPa/LLo	WYu
	Baseline Bar		١٢	nree M	ont	ns Kollir	ng Prog	ramme (Apr-21)		IV3 SPa/LLo	WYu
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Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	20.
								January February March Apr 03 10 17 24 31 07 14 21 28 07 14 21 28 04 11
DDA Road	S20 - Roadworks and Street Furniture	0	14-Aug-20	14-Aug-20	93	15-Dec-20 A	14-Apr-21 A	
SOR		0	14-Aug-20	14-Aug-20	93	15-Dec-20 A	14-Apr-21 A	
B2596171	DDA - 7th Sub	0			0		15-Dec-20 A	μο
B2596181	DDA - Further information required by SO	0			38	16-Dec-20 A	01-Feb-21 A	DDA - Further information required by \$0
B2596851	DDA - 7th Review by SO	0			1	01-Feb-21 A	01-Feb-21 A	DDA - 7th Review by SO
B2596861	DDA - 8th Sub	0			0		01-Feb-21 A	DDA - 8th Sub
B2596871	DDA - 8th Review by SO	0			18	02-Feb-21 A	25-Feb-21 A	DDA + 8th Review; by SQ
B2597221	DDA - Further information required by SO	0			21	26-Feb-21 A	22-Mar-21 A	DDA Further inforr
B2597211	DDA - 9th Review by SO	0			16	23-Mar-21 A	14-Apr-21 A	
B253401	DDA - SO Consent for Construction	0		14-Aug-20	0		14-Apr-21 A	
	DDA - 9th Sub	0			0		14-Apr-21 A	
TD		0			93	16-Dec-20 A	14-Apr-21 A	
	DDA - Under review by TD	0			93	16-Dec-20 A	14-Apr-21 A	
AIP Road L		0	03-Oct-20	03-Oct-20	138	01-Dec-20 A	24-May-21	
	AIP - 2d Review by SO	0	00 001 20	00 001 20	64	01-Dec-20 A	02-Feb-21 A	AIP - 2d Review by \$O
B2597241	AIP - Further information required by SO	0			23	03-Feb-21 A	04-Mar-21 A	
	AIP - 3rd Review by SO	0			19	04-Mar-21 A	22-Mar-21 A	AIP - Further monthaliton required b
	AIP - 3rd Sub	0			0	04-1001-21 A	04-Mar-21 A	◆ AIP - 3rd Sub
B2597271	AIP - Further information required by SO	0			26	23-Mar-21 A	26-Apr-21 A	
	AIP - 4th Sub	0			0	23-1viai-21 A	26-Apr-21 A	
B2597201 B2597291		0			28	27 Apr 21 A	•	
	AIP - 4th Review by SO			02 Oct 20		27-Apr-21 A	24-May-21	
B255892	AIP - SO Consent for DDA Submission	0	02 Nov 20	03-Oct-20	0	21 Dec 20 A	24-May-21	DDA Road L1/0 (S) + Outfall 2 - Permanent Utility Design
	L10 (S) + Outfall 2 - Permanent Utility Design	77	02-Nov-20	02-Feb-21	107	21-Dec-20 A	06-May-21	DDA - Draft - Final Review and prepare for 1st Sub
B263761	DDA - Draft - Final Review and prepare for 1st Sub	12	02-Nov-20	14-Nov-20	7	21-Dec-20 A	30-Dec-20 A	DDA - Drait - Fritai, Review and prepare for 55 Sub
B263781	DDA - 1st Sub	0	15 No. 00	14-Nov-20	0	21 D 20 A	30-Dec-20 A	
B263771	DDA - Review by SO	28	15-Nov-20	12-Dec-20	41	31-Dec-20 A	09-Feb-21 A	DDA - Review by SO
B263831	DDA - Review by IP / DC	28	15-Nov-20	12-Dec-20	51	31-Dec-20 A	19-Feb-21 A	DDA' Review by IP / DC
B263791	DDA - Further information required by SO	12	14-Dec-20	29-Dec-20	6	10-Feb-21 A	19-Feb-21 A	DDA Further information required by SO
B263811	DDA - 2nd Sub	0		29-Dec-20	0		19-Feb-21 A	DDA 2nd Sub
B263801	DDA - 2nd Review by SO	35	30-Dec-20	02-Feb-21	12	20-Feb-21 A	03-Mar-21 A	DDA - 2nd Review by SO
B2597301	DDA - Further information required by SO	0			7	04-Mar-21 A	11-Mar-21 A	DDA - Further information req
B2597311	DDA - 3rd Sub	0			0		11-Mar-21 A	◆ DDA - 3rd Sub
B2597321	DDA - 3rd Review by SO	0			13	12-Mar-21 A	24-Mar-21 A	DDA - 3rd Review
B2597331	DDA - Further information required by SO	0			9	25-Mar-21 A	08-Apr-21 A	DDA
B2597341	DDA - 4th Sub	0			0		08-Apr-21 A	◆ DDA
B2597351	DDA - 4th Review by SO	0			28	09-Apr-21 A	06-May-21	
B263751	DDA - SO Consent for Construction	0		02-Feb-21	0		06-May-21	
	L10 (S) - Alignment, Traffic Sign, Road Marking and Traffic Light	77	02-Nov-20	02-Feb-21	114	26-Dec-20 A	20-May-21	DDA Road L10 (S) Alignment, Traffic, Sign, Road Marking an
B265151	DDA - Draft - Final Review and prepare for 1st Sub	12	02-Nov-20	14-Nov-20	2	26-Dec-20 A	29-Dec-20 A	DDA - Draft - Final Review and prepare for 1st Sub
B255912	DDA - 1st Sub	0		14-Nov-20	0		29-Dec-20 A	DDA - 1/st Sub
B265161	DDA - Review by SO	28	15-Nov-20	12-Dec-20	32	30-Dec-20 A	30-Jan-21 A	DDA - Review by SO
B255913	DDA - Review by IP / DC	28	15-Nov-20	12-Dec-20	74	30-Dec-20 A	13-Mar-21 A	DDA - Review by IP / DC
B265171	DDA - Further information required by SO	12	14-Dec-20	29-Dec-20	12	01-Feb-21 A	17-Feb-21 A	DDA - Further information required by SO
B255942	DDA - 2nd Sub	0		29-Dec-20	0		17-Feb-21 A	◆ DDA - 2nd Sµb
B265181	DDA - 2nd Review by SO	35	30-Dec-20	02-Feb-21	17	18-Feb-21 A	06-Mar-21 A	DDA - 2nd Review by SO
B2597361	DDA - Further information required by SO	0			30	08-Mar-21 A	15-Apr-21 A	
B2597371	DDA - 3rd Sub	0			0		15-Apr-21 A	
B2597381	DDA - 3rd Review by SO	0			35	16-Apr-21 A	20-May-21	
B255992	DDA - SO Consent for Construction	0		02-Feb-21	0		20-May-21	
DDA Road	L10 (S) - Roadworks and Street Furniture	77	02-Nov-20	02-Feb-21	138	26-Dec-20 A	18-Jun-21	▼ DDA Road L10 (S) Roadworks and Street Furniture
Page 5 of 25	Milestone Summary Planned Bar							

Page 5 of 25 Data Date: 01-May-21 Milestone
 Planned Bar
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Actual Work

al Milestone

Baseline MilestoneBaseline Bar

ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS

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05-Nov-1	9 00V	′0	WYu	
18-Dec-1	9 00V	′1	WYu	
22-Feb-2	0 01V	′0	SPa/LLo	WYu
09-Apr-2	01V	′1	SPa/LLo	WYu
17-Jul-20	01V	/2	SPa/LLo	WYu
09-Oct-2	O1V	/3	SPa/LLo	WYu

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish							2021						
-								03	January	24	February 31 07 14 21 28 07	March	21 28	April 3 04 11 18 25	02	May 09 16	23 30	June 06 13 20	27 04	July 11 18 25
B263671	DDA - Draft - Final Review and prepare for 1st Sub	12	02-Nov-20	14-Nov-20	2	26-Dec-20 A	29-Dec-20 A				and prepare for 1st Sub				02	0, 10	20 00			11 10 20
B263691	DDA - 1st Sub	0		14-Nov-20	0		29-Dec-20 A	DDA - 1	1¦st Sub											
B263681	DDA - Review by SO	28	15-Nov-20	12-Dec-20	28	30-Dec-20 A	26-Jan-21 A			🗖 Di	DA - Review by SO									
B263741	DDA - Review by IP / DC	28	15-Nov-20	12-Dec-20	129	30-Dec-20 A	07-May-21									DDA - Rev	/iew by IP / DC			
B263701	DDA - Further information required by SO	12	14-Dec-20	29-Dec-20	85	27-Jan-21 A	14-May-21									DDA	A - Further infor	rmation require	d by SO	
B263721	DDA - 2nd Sub	0		29-Dec-20	0		14-May-21			-						◆ DDA	A- 2nd Sub			
B263711	DDA - 2nd Review by SO	35	30-Dec-20	02-Feb-21	35	15-May-21	18-Jun-21												A - 2nd Rev	iew by SO
B263661	DDA - SO Consent for Construction	0		02-Feb-21	0		18-Jun-21			-	♦							♦ DD	A SO Con	sent for Constructior
	ridge FB-02	24	25-Aug-20	22-Sep-20	15	14-Dec-20 A	04-Jan-21 A													
B256042	AIP - 2nd Sub	0			0		14-Dec-20 A	b.												
B265211	AIP - 2nd Review by SO	28	26-Aug-20	22-Sep-20	21	15-Dec-20 A	04-Jan-21 A		IP - 2nd Revi	ew by	\$O									
B256092	AIP - SO Consent for DDA Submission	0	20 / 109 20		0		04-Jan-21 A	▲ AI	IP - SO Cons	ent for	DDA Submission									
	Bridge FB-02	74	09-Oct-20	07-Jan-21	128	05-Jan-21 A	12-Jun-21	+		isseed										
B263851	DDA - Draft - Final Review and prepare for 1st Sub	12	09-Oct-20	22-Oct-20	6	05-Jan-21 A	11-Jan-21 A		DDA - D	raft - Ei	B-02 nal Review,and prepare for 1st Su									
B263871	DDA - 1st Sub	0	07 001 20	22-Oct-20	0	00 34112171	11-Jan-21 A		• DDA - 1:											
B263861	DDA - Review by SO	28	23-Oct-20	19-Nov-20	45	12-Jan-21 A	25-Feb-21 A		1	i i		iew by SO)							
B263921	DDA - Review by SO DDA - Review by IP / DC	28	23-Oct-20 23-Oct-20		43	12-Jan-21 A	29-Mar-21 A			-	DDA Re			DDA - Review hv IP / DC						
B263881	DDA - Further information required by SO	12	20-Nov-20	03-Dec-20	16	26-Feb-21 A	16-Mar-21 A						A - Éurth	her information required by	so ¦					
B263901	DDA - 2nd Sub	0	20-1100-20	03-Dec-20	0	20-1 ED-21 A	16-Mar-21 A							Sub						
B263891	DDA - 2nd Selb DDA - 2nd Review by SO	35	04-Dec-20	07-Jan-21	14	17-Mar-21 A	30-Mar-21 A													
B2597571	DDA - Further information required by SO	0	04-Det-20	UT-Jairz I	28	01-Apr-21 A	08-May-21							DDA - 2nd Review by SO			rther informatio	n required by		
B2597581	DDA - 2nd Sub	0			20		08-May-21												·	
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B2597591	DDA - 2nd Review by SO	0		07 1	35	09-May-21	12-Jun-21											1 1		or Construction
B263841	DDA - SO Consent for Construction	0	10.0	07-Jan-21	0	10.0.00.4	12-Jun-21	♦										◆ DDA - 5		
	Entrance ELS	39	12-Sep-20	30-Oct-20	37	18-Dec-20 A	02-Feb-21 A				rther information required by SO									
B260830	DDA - Further information required by SO	12	12-Sep-20	25-Sep-20	24	18-Dec-20 A	18-Jan-21 A			DA - FU	d Sub									
B260840	DDA - 2nd Sub	0	04.0	25-Sep-20	0	10 1 01 1	18-Jan-21 A			JA - Z[DDA - 2nd Review by SO									
B260850	DDA - 2nd Review by SO	35	26-Sep-20	30-Oct-20	15	19-Jan-21 A	02-Feb-21 A			!!-							÷			
	DDA - SO Consent for Construction	0	01.0.1.00	30-Oct-20	0		02-Feb-21 A		+		DDA - SO Consent for Constr									
	Permanent Works	0	21-Oct-20	21-Oct-20	48	09-Dec-20 A	05-Feb-21 A													
B2596431	DDA - Further information required by SO	0			9	09-Dec-20 A	18-Dec-20 A	ther ini	formation req	uirea p	y SU:									
	DDA - 3rd Sub	0			0		18-Dec-20 A	au\$ 												
B2596451	DDA - 3rd Review by SO	0			27	19-Dec-20 A	14-Jan-21 A			!!-	eview by SO							¹		
B2596641	DDA - Further information required by SO	0			7	15-Jan-21 A	22-Jan-21 A			!!-	Further information required by S); -+								
	DDA - 3rd Sub	0			0		22-Jan-21 A		¦	DDA	3rd \$ub									
	DDA - 3rd Review by SO	0			14	23-Jan-21 A	05-Feb-21 A		; ; [-;;		DDA - 3rd Review by SO									
B260950	DDA - SO Consent for Construction	0		21-Oct-20	0		05-Feb-21 A			 -	◆ DDA SO Consent for Con	(r¦uction; -								
	CUE L10 (N) Permanent Works	66	03-Dec-21	24-Feb-22	38	05-Dec-20 A	21-Jan-21 A			 -										
B261240	AIP - Draft - Final Review and prepare for 1st Sub	12	03-Dec-21	16-Dec-21	2	05-Dec-20 A	07-Dec-20 A	ļ		¦¦-										
B261250	AIP - 1st Sub	0		16-Dec-21	0		07-Dec-20 A		¦	 -					····-			1 1 1 1 		
B261270	AIP - Review by SO	28	17-Dec-21	13-Jan-22	16	08-Dec-20 A	23-Dec-20 A			-	····									
B261260	AIP - Review by IP / DC	28	17-Dec-21	13-Jan-22	16	08-Dec-20 A	23-Dec-20 A	<u>.</u>	<u></u> .	-	····									
B261280	AIP - Further information required by SO	12	14-Jan-22	27-Jan-22	17	24-Dec-20 A	15-Jan-21 A			-	····									
B261290	AIP - 2nd Sub	0		27-Jan-22	0		15-Jan-21 A	 	.; ♦	-										
B261300	AIP - 2nd Review by SO	28	28-Jan-22	24-Feb-22	6	16-Jan-21 A	21-Jan-21 A	ļ	; —	<u> </u>										
B261310	AIP - SO Consent for DDA Submission	0		24-Feb-22	0		21-Jan-21 A	 	· · · · •	 										
[STE] DDA	CUE L10 (N) Permanent Works	88	22-Feb-22	11-Jun-22	116	12-Dec-20 A	10-May-21	ļ	·		·····									
B261060	DDA - Draft - Final Review and prepare for 1st Sub	12	22-Feb-22	07-Mar-22	26	12-Dec-20 A	14-Jan-21 A		 -											
B261070	DDA - 1st Sub	0		07-Mar-22	0		14-Jan-21 A	<u> </u>	•											
B261090	DDA - Review by SO	28	08-Mar-22	04-Apr-22	40	15-Jan-21 A	23-Feb-21 A													
Daga 6 -f or	Milestone V Summary															Date	Revi	sion C	hecked	Approved
Page 6 of 25		1										/								

Page 6 of 25 Data Date: 01-May-21

Planned Bar

Actual Milestone
 Actual Work

Baseline Bar

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ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES

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Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
17-Jul-20	01V2	SPa/LLo	WYu
09-Oct-20	01V3	SPa/LLo	WYu

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021
2								January February March April May June July 03 10 17 24 31 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25
B261080	DDA - Review by IP / DC	28	08-Mar-22	04-Apr-22	77	15-Jan-21 A	01-Apr-21 A	
B261100	DDA - Further information required by SO	24	06-Apr-22	07-May-22	19	24-Feb-21 A	17-Mar-21 A	
B261110	DDA - 2nd Sub	0		07-May-22	0		17-Mar-21 A	
B261120	DDA - 2nd Review by SO	35	08-May-22	11-Jun-22	53	18-Mar-21 A	09-May-21	
B261130	DDA - SO Consent for Construction	0	5	11-Jun-22	0		10-May-21	
	District Cooling System Permanent Works	0	12-Aug-20	12-Aug-20	0	16-Dec-20 A	16-Dec-20 A	
B263931	AIP - SO Consent for DDA Submission	0		12-Aug-20	0		16-Dec-20 A	pnsent for DDA Submission
	District Cooling System Permanent Works	27	30-Sep-20	04-Nov-20	85	21-Jan-21 A	10-May-21	Vorks
B264081	DDA - 2nd Sub	0		30-Sep-20	0		21-Jan-21 A	◆ DDA i 2nd Sub
B264071	DDA - 2nd Review by SO	35	01-Oct-20	04-Nov-20	32	22-Jan-21 A	22-Feb-21 A	DDA - 2nd Review by SO
B2596881	DDA - Further information required by SO	0	01 001 20	01110120	38	23-Feb-21 A	12-Apr-21 A	DDA - Further information required by \$0
B2596891	DDA - 3rd Sub	0			0	23100217	12-Apr-21 A	◆ DDA - 3rd Sub
B2596901	DDA - 2nd Review by SO	0			28	13-Apr-21 A	10-May-21	DDA - 2nd Review by SO
B264021	DDA - SO Consent for Construction	0		04-Nov-20	0		10-May-21	◆ DDA - SO Consent for Construction
	District Cooling System Temporary Works	0	14-Aug-20	14-Aug-20	33	08-Dec-20 A	19-Jan-21 A	
	AIP - 3rd Sub	0	14-Aug-20	14-Aug-20	0	00-Dec-20 A	08-Dec-20 A	
					14	00 Dec 20 A	22-Dec-20 A	Brd Review by SO
B2596241	AIP - 3rd Review by SO AIP - Further information required by SO	0			14 0	09-Dec-20 A		AlP - Further information required by SO
B2596461	AIP - Further information required by SO AIP - 4th Sub				,	23-Dec-20 A	05-Jan-21 A	AiP - ruintei monnation required by so
B2596471		0			0	0(1== 21.4	05-Jan-21 A	AIP - 4th Sub
B2596481	AIP - 4th Review by SO	0		14.4	14	06-Jan-21 A	19-Jan-21 A	Air - 40 Review by SO ♦ Air - SQ Consent for DDA Submission
B258970	AIP - SO Consent for DDA Submission	0		14-Aug-20	0	11.0.00.4	19-Jan-21 A	
	District Cooling System Temporary Works	29	05-Oct-20	09-Nov-20	62	11-Dec-20 A	01-Mar-21 A	ary Works
B259040	DDA - 2nd Sub	0		05-Oct-20	0		11-Dec-20 A	
B259050	DDA - 2nd Review by SO	35	06-Oct-20	09-Nov-20	27	12-Dec-20 A	07-Jan-21 A	DDA 2nd Review by SO
B2596671	DDA - Further information required by SO	0			10	08-Jan-21 A	19-Jan-21 A	DDA - Further information required by SO
B2596681	DDA - 3rd Sub	0			0		19-Jan-21 A	◆ DDA - 3rd Sub
B2596691	DDA - 3rd Review by SO	0			10	20-Jan-21 A	29-Jan-21 A	DDA - 3rd Review by SQ DDA - Further information required by SQ
B2596911	DDA - Further information required by SO	0			11	30-Jan-21 A	11-Feb-21 A	
B2596921	DDA - 4th Sub	0			0		11-Feb-21 A	◆ :DDA - 4th Sub
B2596931	DDA - 4th Review by SO	0			18	12-Feb-21 A	01-Mar-21 A	DDA - 4th Review by SO
B259060	DDA - SO Consent for Construction	0		09-Nov-20	0		01-Mar-21 A	DDA - SO Consent for Construction
	Hoi Bun Road Junction	0	30-Nov-20	30-Nov-20	58	29-Jan-21 A	15-Apr-21 A	Junction
B2596501	AIP - 4th Sub	0			0		29-Jan-21 A	▲ AIP - 4th Sµb
B2596511	AIP - 4th Review by SO	0			18	30-Jan-21 A	16-Feb-21 A	AlP - 4th Review by SO
B2596941	AIP - Further information required by SO	0			10	17-Feb-21 A	27-Feb-21 A	AIP - Further information required by SO
B2596951	AIP - 5th Sub	0			0		27-Feb-21 A	AIP - 5th \$ub
B2596961	AIP - 5th Review by SO	0			16	01-Mar-21 A	16-Mar-21 A	AIP - 5th Review by SO
B2597391	AIP - Further information required by SO	0			13	17-Mar-21 A	31-Mar-21 A	AIP - Further information required by SO
B2597401	AIP - 6th Sub	0			0		31-Mar-21 A	♦ AIP - 6th Sub
B2597411	AIP - 6th Review by SO	0			15	01-Apr-21 A	15-Apr-21 A	AIP - /oth Review by SO
B259780	AIP - SO Consent for DDA Submission	0		30-Nov-20	0		15-Apr-21 A	◆ AIP - SO Consent for DDA Submission
[STE] DDA	Hoi Bun Road Junction - Permanent Utility Design	0	01-Mar-21	01-Mar-21	84	20-Jan-21 A	07-May-21	▼ [STE] DØA Hoi Bun Road Junction - Permanent Utility Design
B2596531	DDA - 3rd Sub	0			0		20-Jan-21 A	◆ DDA - Brd Sub
B2596541	DDA - 3rd Review by SO	0			30	21-Jan-21 A	19-Feb-21 A	DDA: 3rd Review by SO
B2596971	DDA - Further information required by SO	0			32	20-Feb-21 A	29-Mar-21 A	DDA - Further information required by SO
B2596981	DDA - 4th Sub	0			0		29-Mar-21 A	DDA - 4th Sub
B2596991	DDA - 4th Review by SO	0			39	30-Mar-21 A	07-May-21	DDA- 4th Review by SO
B259510	DDA - SO Consent for Construction	0		01-Mar-21	0		07-May-21	DDA - SO Consent for Construction
[STE] DDA	Hoi Bun Road Junction - Alignment, Traffic Sign, Road Marking a	27	25-Jan-21	01-Mar-21	72	03-Feb-21 A	07-May-21	ISTE] DDA Hoi Bun Road Junction - Alignment, Traffic Sign, Road Marking and Traffic Light
B263261	DDA - 2nd Review by SO	35	26-Jan-21	01-Mar-21	22	03-Feb-21 A	25-Feb-21 A	DDA - 2nd Review by SO
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Page 7 of 25	Discussed Days						T O .	
Data Date: 0	1-May-21 Critical Adivity	E	:D/201	8/04 T	run	k Road	12 and	Infrastructure Works
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Page 7 of 25
Data Data: 01-May

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ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS

Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
17-Jul-20	01V2	SPa/LLo	WYu
09-Oct-20	01V3	SPa/LLo	WYu

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021
								January February March April May June July 03 10 17 24 31 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25
B263271	DDA - 2nd Sub	0		25-Jan-21	0	·	03-Feb-21 A	♦ ♦ DDA - 2nd Sub
B2597421	DDA - Further information required by SO	0			27	26-Feb-21 A	29-Mar-21 A	DDA - Further information required by SO
B2597441	DDA - 3rd Sub	0			0		29-Mar-21 A	DDA - 3rd Sub
B2597431	DDA - 3rd Review by SO	0			37	01-Apr-21 A	07-May-21	DDA- 3rd Review by SO
B263211	DDA - SO Consent for Construction	0		01-Mar-21	0		07-May-21	DDA- SO Consent for Construction
[STE] DDA	Hoi Bun Road Junction - Roadworks and Street Furniture	0	01-Mar-21	01-Mar-21	92	20-Jan-21 A	17-May-21	▼ [STE] DDA Hoi Bun Road Junction - Roadworks and Street Furniture
B2596711	DDA - 3rd Sub	0			0		20-Jan-21 A	◆ DDA - 3rd Sub
B2596721	DDA - 3rd Review by SO	0			21	21-Jan-21 A	10-Feb-21 A	DDA - 3rd Review by SO
B2597001	DDA - Further information required by SO	0			45	11-Feb-21 A	12-Apr-21 A	DDA - Further information required by \$0
B2597011	DDA - 4th Sub	0			0		12-Apr-21 A	◆ DDA - 4th Sub
B2597021	DDA - 4th Review by SO	0			35	13-Apr-21 A	17-May-21	DDA - 4th Review by SO
B259600	DDA - SO Consent for Construction	0		01-Mar-21	0		17-May-21	DDA - SO Consent for Construction
[STE] DDA	Hoi Bun Road Junction - Street Lighting	0	01-Mar-21	01-Mar-21	145	12-Dec-20 A	12-Jun-21	▼ [STE] DDA Hoj Bun Road Junction - Street Lighting
B2596551	DDA - Further information required by SO	0			31	12-Dec-20 A	20-Jan-21 A	DDA - Further information required by SO
B2596561	DDA - 3rd Sub	0			0		20-Jan-21 A	◆ DDA - 3rd Sub
B2596571	DDA - 3rd Review by SO	0			27	21-Jan-21 A	16-Feb-21 A	DDA - 3rd Review by SO
B2597451	DDA - Further information required by SO	0			31	17-Feb-21 A	24-Mar-21 A	DDA - Further information required by SO
B2597461	DDA - 4th Sub	0			0		24-Mar-21 A	
B2597471	DDA - 4th Review by SO	0			27	25-Mar-21 A	20-Apr-21 A	DDA - 4 th Review by SO
B2597601	DDA - Further information required by SO	0			15	21-Apr-21 A	08-May-21	DDA - Further information required by SO
B2597621	DDA - 5th Sub	0			0		08-May-21	◆ DDA - 5th;Sub
B2597611	DDA - 5th Review by SO	0			35	09-May-21	12-Jun-21	DDA - 5th;Review by \$O
B259690	DDA - SO Consent for Construction	0		01-Mar-21	0		12-Jun-21	DDA - SO Consent for Construction
[STE] AIP S	Slip Road S5	24	20-Feb-21	20-Mar-21	23	03-May-21	31-May-21	▼ [STÉ] AIP Slip Road S5
B2593761	AIP - 2nd Review by SO	28	21-Feb-21	20-Mar-21	28	03-May-21	30-May-21	AIP - 2nd Review by \$0
B2593751	AIP - 2nd Sub	0		20-Feb-21	0		03-May-21	AlP - 2nd Sub
B260140	AIP - SO Consent for DDA Submission	0		20-Mar-21	0		31-May-21	AIP - SO Consent for DDA Submission
[STE] DDA	Slip Road S5 - Permanent Utility Design	76	22-Mar-21	25-Jun-21	76	31-May-21	28-Aug-21	▼ [STE] DDA Slip Road S5 - P€
B259880	DDA - Draft - Preparation by Designer	6	22-Mar-21	27-Mar-21	6	31-May-21	05-Jun-21	DDA - Draft - Preparation by Designer
B259890	DDA - Draft - Final Review and prepare for 1st Sub	6	29-Mar-21	08-Apr-21	6	07-Jun-21	12-Jun-21	DDA - Draft - Final Review and prepare f
B259900	DDA - 1st Sub	0		08-Apr-21	0		12-Jun-21	◆ DDA - 1stSub
B259920	DDA - Review by SO	28	09-Apr-21	06-May-21	28	13-Jun-21	10-Jul-21	DDA - Review b
B259910	DDA - Review by IP / DC	28	09-Apr-21	06-May-21	28	13-Jun-21	10-Jul-21	DDA - Review b
B259930	DDA - Further information required by SO	12	07-May-21	21-May-21	12	12-Jul-21	24-Jul-21	
B259940	DDA - 2nd Sub	0		21-May-21	0		24-Jul-21	◆ DD.
B259950	DDA - 2nd Review by SO	35	22-May-21	25-Jun-21	35	25-Jul-21	28-Aug-21	
[STE] DDA	Slip Road S5 - Alignment, Traffic Sign, Road Marking and Traffic	76	22-Mar-21	25-Jun-21	76	31-May-21	28-Aug-21	▼ [STE] DDA Slip Road S5 - Al
B263371	DDA - Draft - Preparation by Designer	6	22-Mar-21	27-Mar-21	6	31-May-21	05-Jun-21	DDA - Draft - Preparation by Designer
B263311	DDA - Draft - Final Review and prepare for 1st Sub	6	29-Mar-21	08-Apr-21	6	07-Jun-21	12-Jun-21	DDA - Draft - Final Review and prepare f
B263331	DDA - 1st Sub	0		08-Apr-21	0		12-Jun-21	◆ DDA - 1stSub
B263321	DDA - Review by SO	28	09-Apr-21	06-May-21	28	13-Jun-21	10-Jul-21	DDA - Review b
B263381	DDA - Review by IP / DC	28	09-Apr-21	06-May-21	28	13-Jun-21	10-Jul-21	
B263341	DDA - Further information required by SO	12	07-May-21	21-May-21	12	12-Jul-21	24-Jul-21	
B263361	DDA - 2nd Sub	0		21-May-21	0		24-Jul-21	◆ DD
B263351	DDA - 2nd Review by SO	35	22-May-21	25-Jun-21	35	25-Jul-21	28-Aug-21	
	Slip Road S5 - Roadworks and Street Furniture	76	22-Mar-21	25-Jun-21	76	31-May-21	28-Aug-21	▼ [STE] DDA Slip Road S5 - R(
B259790	DDA - Draft - Preparation by Designer	6	22-Mar-21	27-Mar-21	6	31-May-21	05-Jun-21	DDA - Draft - Preparation by Designer
B259800	DDA - Draft - Final Review and prepare for 1st Sub	6	29-Mar-21	08-Apr-21	6	07-Jun-21	12-Jun-21	DDA - Draft - Final Review and prepare f
B259810	DDA - 1st Sub	0		08-Apr-21	0		12-Jun-21	◆ DDA - 1st Sub
B259830	DDA - Review by SO	28	09-Apr-21	06-May-21	28	13-Jun-21	10-Jul-21	DDA - Review b
Page 8 of 25	♦ ♦ Milestone ▼ Summary							Date Revision Checked Approved
Data Date: 0			ר 10/ח	8/∩л т	run	k Road	T2 and	Infrastructure Works
	Critical A divity	L			IUI	in i tuau		11111 astructure vvorks 18-Dec-19 00V1 WYu

tual Work eline Milestone

Baseline Bar

iticalActivity tual Milestone ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS

	Date	Revision	Checked	Approved
	05-Nov-19	00V0	WYu	
	18-Dec-19	00V1	WYu	
	22-Feb-20	01V0	SPa/LLo	WYu
/	09-Apr-20	01V1	SPa/LLo	WYu
	17-Jul-20	01V2	SPa/LLo	WYu
	09-Oct-20	01V3	SPa/LLo	WYu

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021	
								January February March April 03 10 17 24 31 07 14 21 28 07 14 21 28 04 11 18 25	May June July 02 09 16 23 30 06 13 20 27 04 11 18 25
B259820	DDA - Review by IP / DC	28	09-Apr-21	06-May-21	28	13-Jun-21	10-Jul-21		DDA - Review b
B259840	DDA - Further information required by SO	12	07-May-21	21-May-21	12	12-Jul-21	24-Jul-21		DD.
B259850	DDA - 2nd Sub	0		21-May-21	0		24-Jul-21		◆ DD.
B259860	DDA - 2nd Review by SO	35	22-May-21	25-Jun-21	35	25-Jul-21	28-Aug-21		
[STE] DDA	Slip Road S5 - Street Lighting	76	22-Mar-21	25-Jun-21	76	31-May-21	28-Aug-21		▼ [STE] DDA, Slip Road S5 - St
B259970	DDA - Draft - Preparation by Designer	6	22-Mar-21	27-Mar-21	6	31-May-21	05-Jun-21		DDA - Draft - Preparation by Designer
B259980	DDA - Draft - Final Review and prepare for 1st Sub	6	29-Mar-21	08-Apr-21	6	07-Jun-21	12-Jun-21		DDA - Draft - Final Review and prepare f
B259990	DDA - 1st Sub	0		08-Apr-21	0		12-Jun-21		◆ DDA - 1st Sub
B260010	DDA - Review by SO	28	09-Apr-21	06-May-21	28	13-Jun-21	10-Jul-21		DDA - Review b
B260000	DDA - Review by IP / DC	28	09-Apr-21	06-May-21	28	13-Jun-21	10-Jul-21		DDA - Review b
B260020	DDA - Further information required by SO	12	07-May-21	21-May-21	12	12-Jul-21	24-Jul-21		
B260030	DDA - 2nd Sub	0	y	21-May-21	0		24-Jul-21		◆ DD,
B260040	DDA - 2nd Review by SO	35	22-May-21	25-Jun-21	35	25-Jul-21	28-Aug-21		
SUPPORTIN	NG UNDERGROUND STRUCTURE [SUS]	86	04-May-20	13-Aug-20	86	03-May-21	13-Aug-21		
	nternal Structure	86	04-May-20	13-Aug-20	86	03-May-21	13-Aug-21		
B24170	AIP - Draft - Preparation by Designer	72	04-May-20	28-Jul-20	72	03-May-21	28-Jul-21		
B24180	AIP - Draft - Final Review and prepare for 1st Sub	14	29-Jul-20	13-Aug-20	14	29-Jul-21	13-Aug-21		
	EL / LAUNCHING SHAFT [C&C / LS]	192	22-Oct-20	18-Jun-21	147	15-Dec-20 A	18-Jun-21		C&CTUNNEL /LAUNCHING SHA
	LS Base Slab & Associated Cast-in for TBM Launching	44	27-Oct-20	16-Dec-20	110	24-Dec-20 A	13-May-21	/LS Base Slab & Associated Cast-in for TBM Launching	
B10840	DDA - Further information required by SO	14	27-Oct-20	11-Nov-20	39	24-Dec-20 A	10-Feb-21 A	DDA - Further information required by SO	
B10850	DDA - 2nd Sub	0	27 000 20	11-Nov-20	0	21 000 2011	10-Feb-21 A	◆ DDA - 2nd Sub	
B10860	DDA - 2nd Review by SO	35	12-Nov-20	16-Dec-20	92	11-Feb-21 A	13-May-21		DDA 2nd Review by SO
B10880	DDA - SO Consent for Construction	0	12 1101 20	16-Dec-20	0		13-May-21	· · · · · · · · · · · · · · · · · · ·	◆ DDA + SO Consent for Construction
	ympanum Structure for TBM Launching	109	02-Nov-20	15-Mar-21	146	16-Dec-20 A	18-Jun-21	DDA - LS Tympanum Structure for TB	· · · · · · · · · · · · · · · · · · ·
B10900	DDA - Draft - Final Review and prepare for 1st Sub	24	02-Nov-20	28-Nov-20	20	16-Dec-20 A	11-Jan-21 A	DDA - Draft - Final Review and prepare for 1st Sub	
B10900 B10910	DDA - Drait - Final Review and prepare for 1st Sub	0	02-1100-20	28-Nov-20	0	10-Dec-20 A	11-Jan-21 A	◆ DDA - 1st Sub	
B10910 B10940	DDA - Review by SO		29-Nov-20	26-Dec-20	17	12-Jan-21 A	28-Jan-21 A	DDA - Review by \$O	
B10940 B10930		28			17			↓ + + + <u> + + + + + + + + + + - + - + + +</u>	
	DDA - Review by GEO via SO	28	29-Nov-20	26-Dec-20		12-Jan-21 A	28-Jan-21 A		DDA:- Review by IP / DC
B10920	DDA - Review by IP / DC	28	29-Nov-20	26-Dec-20	116	12-Jan-21 A	07-May-21		
B10950	DDA - Further information required by SO	36	28-Dec-20	08-Feb-21	83	29-Jan-21 A	14-May-21		
B10960	DDA - 2nd Sub	0	00 5 4 01	08-Feb-21	0	15 May 01	14-May-21	· · · · · · · · · · · · · · · · · · ·	DDA:- 2nd (Sub
B10970	DDA - 2nd Review by SO	35	09-Feb-21	15-Mar-21	35	15-May-21	18-Jun-21		DDA: 2hd Review by SO
B10980	DDA - SO Consent for Construction	0	00 May 01	15-Mar-21	0		18-Jun-21		◆ DDA, SD Consent for Construction
	LSPermanent Structure	64	29-Mar-21	18-Jun-21	110	24-Dec-20 A	13-May-21		V DDA:- C&C/LS Permanent Structur
B11050	DDA - Further information required by SO	36	29-Mar-21	14-May-21	39	24-Dec-20 A	10-Feb-21 A		DDA- Further information required by \$0
B11060	DDA - 2nd Sub	0	15.14 0.4	14-May-21	0		10-Feb-21 A		◆ DDA- 2nd Sub
B11070	DDA - 2nd Review by SO	35	15-May-21	18-Jun-21	92	11-Feb-21 A	13-May-21		DDA; 2hd Review by SO
B11080	DDA - SO Consent for Construction	0	00.0.1.00	18-Jun-21	0		13-May-21		◆ DDA- SO Consent for Construction
	hrust Frame / Blocks for TBM Launching	96	22-Oct-20	18-Feb-21	147	15-Dec-20 A	18-Jun-21	DDA LS Thrust Frame / Blocks for TBM Launching	
B11300	DDA - Draft - Final Review and prepare for 1st Sub	9	22-Oct-20	02-Nov-20	52	15-Dec-20 A	19-Feb-21 A	DDA Draft - Final Review and prepare for 1st Sub	
B11310	DDA - 1st Sub	0	00.11	02-Nov-20	0	00 5 1 01 1	19-Feb-21 A	◆ DDA: 1st \$ub	
B11340	DDA - Review by SO	28	03-Nov-20	30-Nov-20	25	20-Feb-21 A	16-Mar-21 A	DDA - Review by SO	
B11320	DDA - Review by IP / DC	28	03-Nov-20	30-Nov-20	77	20-Feb-21 A	07-May-21	· · · · · · · · · · · · · · · · · · ·	DDA- Review by IP / DC
B11350	DDA - Further information required by SO	36	01-Dec-20	14-Jan-21	46	17-Mar-21 A	14-May-21	······································	DDA- Further information required by \$0
B11360	DDA - 2nd Sub	0		14-Jan-21	0		14-May-21		◆ DDA- 2nd Sub
B11370	DDA - 2nd Review by SO	35	15-Jan-21	18-Feb-21	35	15-May-21	18-Jun-21		DDA, 2hd Review by SO
B11380	DDA - SO Consent for Construction	0		18-Feb-21	0		18-Jun-21		◆ DDA- SO Consent for Construction
	BMTUNNEL	252	08-Aug-20	16-Jun-21	189	29-Dec-20 A	19-Aug-21		▼ \$UB-SEA TBM TUNNEL
	cial Segment for CP construction	104	10-Sep-20	15-Jan-21	144	02-Jan-21 A	02-Jul-21	DDA - Special Segment for CP construction	
B20180	DDA - Draft - Final Review and prepare for 1st Sub	24	10-Sep-20	09-Oct-20	62	02-Jan-21 A	19-Mar-21 A	DDA - Draft - Final Review and pre	are for 1st Sub
Page 9 of 25	Milestone Summary								Date Revision Checked Approved
Data Date: 01			1/201		- rum	k Daad	T2 224	Infractructure Works	05-Nov-19 00V0 WYu
	Critical Adivity							Infrastructure Works	18-Dec-19 00V1 WYu
	Actual Milestone			for [Dev	elopme	nts at Se	outh Apron BOUYGUES	22-Feb-20 01V0 SPa/LLo WYu
	Actual Work Baseline Milestone					• • • •		IRAVAUA PUDLICS	09-Apr-20 01V1 SPa/LLo WYu

Three Months Rolling Programme (Apr-21)

17-Jul-20

09-Oct-20

01V2

01V3

SPa/LLo

SPa/LLo

WYu

WYu

Baseline Bar

Baseline Milestone

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021 January February March April May June July			
								January February March April May June July 03 10 17 24 31 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25			
B20190	DDA - 1st Sub	0		09-Oct-20	0		19-Mar-21 A	◆ DDA - 1st Sub			
B20220	DDA - Review by SO	28	10-Oct-20	06-Nov-20	32	20-Mar-21 A	20-Apr-21 A	DDA - Review by SO			
B20200	DDA - Review by IP / DC	28	10-Oct-20	06-Nov-20	53	20-Mar-21 A	11-May-21	DDA - Review by IP/DC			
B20230	DDA - Further information required by SO	30	07-Nov-20	11-Dec-20	30	21-Apr-21 A	27-May-21	DDA - Further information required by SO			
B20240	DDA - 2nd Sub	0		11-Dec-20	0		27-May-21	◆ □DA - 2nd \$ub			
B20250	DDA - 2nd Review by SO	35	12-Dec-20	15-Jan-21	35	28-May-21	01-Jul-21	DDA 2nd Review by S			
B20260	DDA - SO Consent for Construction	0		15-Jan-21	0		02-Jul-21	♦ DDA - SO Consent for			
DDA - Sub	-sea Tunnel - TBM Confinement	132	02-Jan-21	16-Jun-21	178	02-Jan-21 A	10-Aug-21	V DDA - Sub-sea Tunnel - TBM Confin			
B20270	DDA - Draft - Preparation by Designer	36	02-Jan-21	16-Feb-21	36	02-Jan-21 A	16-Feb-21 A	DDA - Draft - Preparation by Designer			
B20280	DDA - Draft - Final Review and prepare for 1st Sub	24	17-Feb-21	16-Mar-21	65	17-Feb-21 A	08-May-21	DDA - Draft - Final Review and prepare for 1st Sub			
B20290	DDA - 1st Sub	0		16-Mar-21	0		08-May-21	◆ DDA - 1st;Sub			
B20320	DDA - Review by SO	28	17-Mar-21	13-Apr-21	28	09-May-21	05-Jun-21	DDA - Review by SO			
B20300	DDA - Review by IP / DC	28	17-Mar-21	13-Apr-21	28	09-May-21	05-Jun-21	DDA - Review by IP / DC			
B20330	DDA - Further information required by SO	24	14-Apr-21	12-May-21	24	07-Jun-21	06-Jul-21	DDA - Further infon			
B20340	DDA - 2nd Sub	0		12-May-21	0		06-Jul-21	♦ DDA - 2nd Sub			
B20350	DDA - 2nd Review by SO	35	13-May-21	16-Jun-21	35	07-Jul-21	10-Aug-21				
DDA - Sub	sea Tunnel - Internal Structure	89	08-Aug-20	23-Nov-20	135	29-Dec-20 A	16-Jun-21	Structure			
B20480	DDA - Draft - Final Review and prepare for 1st Sub	12	08-Aug-20	21-Aug-20	24	29-Dec-20 A	26-Jan-21 A	DDA - Draft - Final Review and prepare for 1st Sub			
B20490	DDA - 1st Sub	0		21-Aug-20	0		26-Jan-21 A	◆ DDA - 1st Sub			
B20520	DDA - Review by SO	28	22-Aug-20	18-Sep-20	27	27-Jan-21 A	22-Feb-21 A	DDA - Review by SO			
B20500	DDA - Review by IP / DC	28	22-Aug-20	18-Sep-20	101	27-Jan-21 A	07-May-21	DDA:- Review by IP / DC			
B20530	DDA - Further information required by SO	24	19-Sep-20	19-Oct-20	63	23-Feb-21 A	12-May-21	DDA - Further information required by SO			
B20540	DDA - 2nd Sub	0		19-Oct-20	0		12-May-21	♦ DDA - 2nd Sub			
B20550	DDA - 2nd Review by SO	35	20-Oct-20	23-Nov-20	35	13-May-21	16-Jun-21	DDA - 2nd Review;by SO			
B20560	DDA - SO Consent for Construction	0		23-Nov-20	0		16-Jun-21	◆ DDA - SO Consent for Construction			
DDA Tunne	el - General Building Plan	54	24-Nov-20	28-Jan-21	54	17-Jun-21	19-Aug-21	▼ (DDA Tunnet - General Building Plan			
B2594661	DDA - Draft - Preparation by Designer	30	24-Nov-20	30-Dec-20	30	17-Jun-21	22-Jul-21				
B2594601	DDA - Draft - Final Review and prepare for 1st Sub	24	31-Dec-20	28-Jan-21	24	23-Jul-21	19-Aug-21				
CROSS PA	SSAGE	174	10-Oct-20	14-May-21	167	17-Feb-21 A	08-Sep-21	CROSS PASSAGE			
DDA - Cros	ss Passage - CP Tympanum	42	16-Jan-21	09-Mar-21	42	02-Jul-21	19-Aug-21	V DDA - ¢ross Passage - CP Tympanum			
B20670	DDA - Draft - Preparation by Designer	42	16-Jan-21	09-Mar-21	42	02-Jul-21	19-Aug-21				
DDA - Cros	ss Passage - CP TBM Jacking Pipes	104	07-Dec-20	17-Apr-21	148	17-Feb-21 A	17-Aug-21	DDA - Cross Passage - CP TBM Jacking Pipes			
B20780	DDA - Draft - Final Review and prepare for 1st Sub	24	07-Dec-20	06-Jan-21	65	17-Feb-21 A	08-May-21	DDA - Draft - Final Review and prepare for 1st Sub			
B20790	DDA - 1st Sub	0		06-Jan-21	0		08-May-21	◆ DDA - 1st;Sub			
B20820	DDA - Review by SO	28	07-Jan-21	03-Feb-21	28	09-May-21	05-Jun-21	DDA - Review by SO			
B20810	DDA - Review by GEO via SO	28	07-Jan-21	03-Feb-21	28	09-May-21	05-Jun-21	DDA - Review by GEO via SO			
B20800	DDA - Review by IP / DC	28	07-Jan-21	03-Feb-21	28	09-May-21	05-Jun-21	DDA - Review by IP / DC			
B20830	DDA - Further information required by SO	30	04-Feb-21	13-Mar-21	30	07-Jun-21	13-Jul-21	DDA - Furthe			
B20840	DDA - 2nd Sub	0		13-Mar-21	0		13-Jul-21	♦ DDA - 2nd Si			
B20850	DDA - 2nd Review by SO	35	14-Mar-21	17-Apr-21	35	14-Jul-21	17-Aug-21				
DDA - Cros	ss Passage - CP TBM Confinement	80	07-Jan-21	17-Apr-21	84	10-May-21	18-Aug-21	▼ DDA - Cross Passage - CP TBM Confinement			
B20870	DDA - Draft - Preparation by Designer	36	07-Jan-21	20-Feb-21	36	10-May-21	22-Jun-21	DDA - Draft - Preparation by De			
B20880	DDA - Draft - Final Review and prepare for 1st Sub	24	22-Feb-21	20-Mar-21	24	23-Jun-21	21-Jul-21	DDA -			
B20890	DDA - 1st Sub	0		20-Mar-21	0		21-Jul-21	♦ DDA -			
B20920	DDA - Review by SO	28	21-Mar-21	17-Apr-21	28	22-Jul-21	18-Aug-21				
B20900	DDA - Review by IP / DC	28	21-Mar-21	17-Apr-21	28	22-Jul-21	18-Aug-21				
DDA - Cros	ss Passage - CP TBM - DCRA	42	22-Mar-21	14-May-21	42	22-Jul-21	08-Sep-21	DDA - Cross Passage - CP TBM - DCRA			
B20970	DDA - Draft - Preparation by Designer	42	22-Mar-21	14-May-21	42	22-Jul-21	08-Sep-21				
DDA - Cros	ss Passage - Traditional (CP28, 29 & 30) - Temp Support for Exca	89	10-Oct-20	26-Jan-21	90	03-May-21	18-Aug-21	▼ DDA - Cross Passage - Traditional (CP28, 29 & 30) - Temp Support for Excavation			
B21070	DDA - Draft - Preparation by Designer	42	10-Oct-20	28-Nov-20	42	03-May-21	22-Jun-21	DDA - Draft - Preparation by De			
-	Page 10 of 25 Data Date: 01-May-21 Data Date: 01-May-21 Planed Bar OticalAdivity Actual Work Baseline Bar Three Months Rolling Programme (Apr-21)										
	Baseline Bar		Ih	ree M	ont	ns Kollir	ig Progi	ramme (Apr-21)			

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	202
/ King ib			01V2 Otart	0102111131	Du	otuit		January February March April
B21080	DDA - Draft - Final Review and prepare for 1st Sub	24	30-Nov-20	29-Dec-20	24	23-Jun-21	21-Jul-21	03 10 17 24 31 07 14 21 28 07 14 21 28 04 11
B21090	DDA - 1st Sub	0		29-Dec-20	0		21-Jul-21	
B21120	DDA - Review by SO	28	30-Dec-20	26-Jan-21	28	22-Jul-21	18-Aug-21	
B21110	DDA - Review by GEO via SO	28	30-Dec-20	26-Jan-21	28	22-Jul-21	18-Aug-21	
B21100	DDA - Review by IP / DC	28	30-Dec-20	26-Jan-21	28	22-Jul-21	18-Aug-21	
DDA - Cro	ss Passage - Traditional - Lining Structure	36	30-Dec-20	10-Feb-21	36	22-Jul-21	01-Sep-21	DDA - Cross Passage - Traditional - Lining Structure
B21170	DDA - Draft - Preparation by Designer	36	30-Dec-20	10-Feb-21	36	22-Jul-21	01-Sep-21	
DRILL & BF	REAK [D&BR] / DRILL & BLAST TUNNEL [D&BL]	0	22-Sep-20	22-Sep-20	125	08-Jan-21 A	12-Jun-21	
	3R / D&BL Tunnel - Lining & Internal Structure	0	22-Sep-20	22-Sep-20	125	08-Jan-21 A	12-Jun-21	
B2596731	DDA - Further information required by SO	0			19	08-Jan-21 A	29-Jan-21 A	DDA: Further information required by SO:
B2596741	DDA - 4th Sub	0			0		29-Jan-21 A	◆ DDA- 4th \$ub
B2596751	DDA - 4th Review by SO	0			20	30-Jan-21 A	18-Feb-21 A	DDA 4th Review by SQ
B2597031	DDA - Further information required by SO	0			11	19-Feb-21 A	03-Mar-21 A	DDA - Further information required by
B2597041	DDA - 5th Sub	0			0		03-Mar-21 A	◆ DDA - 5th Sub
B2597051	DDA - 5th Review by SO	0			9	04-Mar-21 A	12-Mar-21 A	DDA: 5th Review by SO
B2597481	DDA - Further information required by SO	0			44	13-Mar-21 A	08-May-21	
	DDA - Futurer information required by SO					13-1VId1-21 A	3	
B2597501		0			0	00 May 21	08-May-21	
B2597491 B21860	DDA - 6th Review by SO DDA - SO Consent for Construction	0		22-Sep-20	35 0	09-May-21	12-Jun-21 12-Jun-21	
		0	19-Sep-20	04-Feb-21	176	11-Feb-21 A		EAST VENTILATION BUILDING [EVB]
	REATION BUILDING [EVB]	0	•		64		17-Sep-21 06-May-21	
	Permanent Structure	0	19-Sep-20	19-Sep-20	04	11-Feb-21 A	11-Feb-21 A	AIP - 5th Sub
B2596601	AIP - 5th Sub AIP - 5th Review by SO	0			26	12-Feb-21 A	17-Mar-21 A	Air - pur squ
B2590001 B2597511	AIP - 5th Review by SO AIP - Further information required by SO	0			20	12-Feb-21 A 18-Mar-21 A	16-Apr-21 A	
	AIP - 5th Sub	0			0	TO-IVIAI-21 A	16-Apr-21 A	
B2597531	AIP - 5th Review by SO	0			16	17-Apr-21 A	06-May-21	
B2397331 B21960	AIP - SO Consent for DDA Submission	0		19-Sep-20	0		06-May-21	┫╡╌╍╴╬╌╍╌╠╍╍╍╬╍╍╍╠╍╍╍╠╍╍╍╠╍╍╍╠╍╍╍╠╍╍╍╠╍╍╸╬╍╸┠╸╸
	- Permanent Structure (including Foundation)	82	21-Sep-20	30-Dec-20	84	07-May-21	16-Aug-21	DDA - EVB - Permanent Structure (including Foundation)
	DDA - Draft - Preparation by Designer	36	21-Sep-20 21-Sep-20	04-Nov-20	36	07-May-21	19-Jun-21	
B22070	DDA - Draft - Final Review and prepare for 1st Sub	24	05-Nov-20	02-Dec-20	24	21-Jun-21	19-Jul-21	┫╡╌╌╴┾╌╌╌┝╌╌╴┥╌╌╴┾╎╌╌╴┾╌╌╴┾╌╌╴┾╎╌╴┾╶╌╴┾╶╴╴┥╴╴╴┾╴╴┤╴┊╴╴
B22000	DDA - 1st Sub	0	03 110 1 20	02-Dec-20	0	21 301121	19-Jul-21	┫╡╌╌╴┾╌╌╌┾╌╌╌┿╌╌╴┾╎╌╌╴┾╌╌╴┾╌╌╴┾╎╌╴┾╴╌╴┾╴╴╴┥╴╴╴┾╴╴╴
B22120	DDA - Review by SO	28	03-Dec-20	30-Dec-20	28	20-Jul-21	16-Aug-21	╉╬╍╍╍╬╍╍╍╬╍╍╍╬╍╍╍╬╍╍╍╬╍╍╍╬╍╍╍╬╍╍╍╬╍╍╍╬╍
B22100	DDA - Review by IP / DC	28	03-Dec-20	30-Dec-20	28	20-Jul-21	16-Aug-21	┟╡╌╌╴╬╶╌╌╿╌╌╴╬╎╌╌╢╴╴╴╢╴╴╴╢╴╴╴╢╴╴╴╬╴╴╴╢╴╴╴╬╴╴╴╢╴╴╴╢╴╴╴
	- Tower Crane Foundation	82	21-Sep-20	30-Dec-20	84	07-May-21	16-Aug-21	DDA - EVB - Tower Crane Foundation
B2595011	DDA - Draft - Preparation by Designer	36	21-Sep-20	04-Nov-20	36	07-May-21	19-Jun-21	
B2594941	DDA - Draft - Final Review and prepare for 1st Sub	24	05-Nov-20	02-Dec-20	24	21-Jun-21	19-Jul-21	
B2594961	DDA - 1st Sub	0		02-Dec-20	0		19-Jul-21	
B2594951	DDA - Review by SO	28	03-Dec-20	30-Dec-20	28	20-Jul-21	16-Aug-21	
B2595021	DDA - Review by IP / DC	28	03-Dec-20	30-Dec-20	28	20-Jul-21	16-Aug-21	
DDAEVB	-Accommodation (SoA)	52	03-Dec-20	04-Feb-21	52	20-Jul-21	17-Sep-21	DDA EVB - Accommodation (\$0A)
B2593871	DDA - Draft - Preparation by Designer	52	03-Dec-20	04-Feb-21	52	20-Jul-21	17-Sep-21	
	- Aesthetic Design	72	21-Sep-20	16-Dec-20	72	07-May-21	02-Aug-21	Aesthetic Design
B2594751	DDA - Draft - Preparation by Designer	48	21-Sep-20	18-Nov-20	48	07-May-21	05-Jul-21	
B2594681	DDA - Draft - Final Review and prepare for 1st Sub	24	19-Nov-20	16-Dec-20	24	06-Jul-21	02-Aug-21	
TUNNEL E&	&M INSTALLATION & COMMISSIONING	175	06-Oct-20	12-May-21	203	11-Dec-20 A	20-Aug-21	
DDA-E&M	I Tunnel Ventilation Design	113	19-Nov-20	10-Apr-21	198	12-Dec-20 A	16-Aug-21	v DDA
B22780	DDA - Draft - Final Review and prepare for 1st Sub	24	19-Nov-20	16-Dec-20	107	12-Dec-20 A	27-Apr-21 A	
B22790	DDA - 1st Sub	0		16-Dec-20	0		27-Apr-21 A	
B22800	DDA - Review by SO	28	17-Dec-20	13-Jan-21	24	28-Apr-21 A	21-May-21	

Page 11 of 25 Data Date: 01-May-21 Milestone
 Planned Bar

CriticalActivity

Actual Milestone

Baseline Mileston

Actual Work

Baseline Bar

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V Summary

ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron



22-Feb-20

09-Apr-20

17-Jul-20

09-Oct-20

01V0

01V1

01V2

01V3

Three Months Rolling Programme (Apr-21)

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Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish						2021					-	
								0	January 3 10 17 24	February 31 07 14 21 28	March 8 07 14	21 2	April 8 04 11 18 25	02	May 09 16	23 3	June 30 06 13 20	27 04	July 11 18 25
B22820	DDA - Review by IP / DC	28	17-Dec-20	13-Jan-21	24	28-Apr-21 A	21-May-21										Review by IP / DC		
B22830	DDA - Further information required by SO	42	14-Jan-21	06-Mar-21	42	22-May-21	12-Jul-21				-				ſ				DDA - Further
B22840	DDA - 2nd Sub	0		06-Mar-21	0		12-Jul-21				♦								DDA - 2nd Su
B22850	DDA - 2nd Review by SO	35	07-Mar-21	10-Apr-21	35	13-Jul-21	16-Aug-21												
DDA-E&N	Air Purification System (WVB)	101	30-Nov-20	07-Apr-21	172	26-Dec-20 A	29-Jul-21	1.1				ii	▼ DDA - E&M Air Pu	rification	n System (V	VVB)			
B22380	DDA - Draft - Final Review and prepare for 1st Sub	12	30-Nov-20	12-Dec-20	63	26-Dec-20 A	15-Mar-21 A	- i				DA - Draft	- Final Review and prepar	for 1st	Sub				
B22390	DDA - 1st Sub	0		12-Dec-20	0		15-Mar-21 A	1			🕴 🔷 D	DA - 1st S							
B22400	DDA - Review by SO	28	13-Dec-20	09-Jan-21	50	16-Mar-21 A	04-May-21	-					·	DD	A - Review	vby SO			
B22420	DDA - Review by IP / DC	28	13-Dec-20	09-Jan-21	50	16-Mar-21 A	04-May-21						·		A - Review				
B22430	DDA - Further information required by SO	42	11-Jan-21	03-Mar-21	42	05-May-21	24-Jun-21		····;·····;····;		•••							DDA - Fur	ther information req
B22440	DDA - 2nd Sub	0		03-Mar-21	0		24-Jun-21				♦							DDA - 2nc	
B22450	DDA - 2nd Review by SO	35	04-Mar-21	07-Apr-21	35	25-Jun-21	29-Jul-21						<u>-</u>						-+
B22460	DDA - SO Consent for Construction	0		07-Apr-21	0		29-Jul-21						♦						•
AIP - E&M	Fire Services Installation	24	06-Nov-20	04-Dec-20	32	19-Feb-21 A	29-Mar-21 A		nstallation										
B24640	AIP - 2nd Sub	0		06-Nov-20	0		19-Feb-21 A			♦ AIP + 2n	nd Sub								
B24650	AIP - 2nd Review by SO	28	07-Nov-20	04-Dec-20	38	20-Feb-21 A	29-Mar-21 A						AIP - 2nd Review by SO						-+
B24660	AIP - SO Consent for DDA Submission	0		04-Dec-20	0		29-Mar-21 A					•	AIP - SO Consent for DDA	Submis	sion				-+
DDA-E&N	/ Fire Services Installation	101	05-Dec-20	13-Apr-21	103	01-Apr-21 A	07-Aug-21			······································			🗸 DDA - E&M I						
B22570	DDA - Draft - Preparation by Designer	30	05-Dec-20	12-Jan-21	30	01-Apr-21 A	11-May-21								DDA - D	braft - Pr	eparation by Designe	er:	
B22580	DDA - Draft - Final Review and prepare for 1st Sub	18	13-Jan-21	02-Feb-21	18	12-May-21	02-Jun-21			┍╺╍╺┊╸╸╸╸┊ ┲┛╴┆╴╴╴┆							🗖 DDA - Draft - Fina	al Review ar	nd prepare for 1st Su
B22590	DDA - 1st Sub	0		02-Feb-21	0		02-Jun-21			♦							◆ DDA - 1st Sub		$-\frac{1}{1}$
B22600	DDA - Review by SO	28	03-Feb-21	02-Mar-21	28	03-Jun-21	30-Jun-21											🚞 DDA	- Review by SO
B22620	DDA - Review by IP / DC	28	03-Feb-21	02-Mar-21	28	03-Jun-21	30-Jun-21											💻 DDA	- Review by IP / DC
B22630	DDA - Further information required by SO	32	03-Mar-21	13-Apr-21	32	02-Jul-21	07-Aug-21						· - · · · · · · · · · · · · · · · · · ·						- +
AIP - E&M		23	23-Oct-20	20-Nov-20	23	08-Mar-21 A	08-Apr-21 A												- +
B24740	AIP - 2nd Sub	0		23-Oct-20	0		08-Mar-21 A				♦ AIP - 2r	nd Sub							- + +
B24750	AIP - 2nd Review by SO	28	24-Oct-20	20-Nov-20	31	09-Mar-21 A	08-Apr-21 A						AIP - 2nd Review	by SO					- + + +
B24760	AIP - SO Consent for DDA Submission	0		20-Nov-20	0		08-Apr-21 A						♦ AIP - SO Consen	for DD/	A Submissi	on			- 1
DDA-E&N	/ MVAC	102	21-Nov-20	26-Mar-21	103	09-Apr-21 A	11-Aug-21		· · · · · ·				DA:- E&M MVAC						$-\frac{1}{1}$
B22470	DDA - Draft - Preparation by Designer	32	21-Nov-20	30-Dec-20	32	09-Apr-21 A	17-May-21						·			DA - Draf	ft - Preparation by De	signer	$-\frac{1}{1}$
B22480	DDA - Draft - Final Review and prepare for 1st Sub	17	31-Dec-20	20-Jan-21	17	18-May-21*	07-Jun-21										DDA - Draft -	Final Revie	w and prepare for 1
B22490	DDA - 1st Sub	0		20-Jan-21	0	<u> </u>	07-Jun-21		♦								🔶 DDA - 1st Su		
B22500	DDA - Review by SO	28	21-Jan-21	17-Feb-21	28	08-Jun-21	05-Jul-21												DDA - Review by SC
B22520	DDA - Review by IP / DC	28	21-Jan-21	17-Feb-21	28	08-Jun-21	05-Jul-21		·										DDA - Review by IP
B22530	DDA - Further information required by SO	32	18-Feb-21	26-Mar-21	32	06-Jul-21	11-Aug-21					{} 							
AIP - E&M	Plumbing & Drainage System	23	24-Oct-20	21-Nov-20	29	12-Jan-21 A	18-Feb-21 A	Syste	em										- + + + +
B253871	AIP - 2nd Sub	0		24-Oct-20	0		12-Jan-21 A		AIP - 2nd Sub										- + + + +
B253881	AIP - 2nd Review by SO	28	25-Oct-20	21-Nov-20	37	13-Jan-21 A	18-Feb-21 A			AIP - 2nc	d Review by SC	¦¦)¦ ;					+++++++++++++++++++++++++-++++		- 1
B253891	AIP - SO Consent for DDA Submission	0		21-Nov-20	0		18-Feb-21 A			♦ AIP - \$0	Consent for D	DA Submi	ssion				++++++++++++++		$= \frac{1}{1} = \frac{1}{1} = \frac{1}{1} = $
DDA-E&N	I Plumbing & Drainage System	97	23-Nov-20	22-Mar-21	135	19-Feb-21 A	04-Aug-21					T DDA	E&M Plumbing & Drainag	e Syster	n ¦		+		$= \frac{1}{1} = \cdots = \frac{1}{1} = \cdots = \frac{1}{1}$
B253901	DDA - Draft - Preparation by Designer	24	23-Nov-20	19-Dec-20	63	19-Feb-21 A	08-May-21										aration by Designer		
B253911	DDA - Draft - Final Review and prepare for 1st Sub	17	21-Dec-20	12-Jan-21	17	10-May-21	29-May-21			 				: [DDA - Draft - Final R		
B253921	DDA - 1st Sub	0		12-Jan-21	0		29-May-21		♦	<u>+</u> +						•	DDA - 1st Sub		
B253931	DDA - Review by SO	28	13-Jan-21	09-Feb-21	28	30-May-21	26-Jun-21			┝ <u>-</u>								🗖 DİDÂ-R	eview by SO
B253951	DDA - Review by IP / DC	28	13-Jan-21	09-Feb-21	28	30-May-21	26-Jun-21											🗖 DDA - R	eview by IP / DC
B253961	DDA - Further information required by SO	32	10-Feb-21	22-Mar-21	32	28-Jun-21	04-Aug-21												
AIP - E&M	Electrical Installation	65	06-Oct-20	22-Dec-20	117	15-Jan-21 A	11-Jun-21	E&M	Electrical Installation								+++++++++++		
B24390	AIP - 1st Sub	0		06-Oct-20	0		15-Jan-21 A		🔶 AIP - 1st Su	þ				[
B24410	AIP - Review by SO	28	07-Oct-20	03-Nov-20	24	16-Jan-21 A	08-Feb-21 A			AIP - Review by S	SO								
B24400	AIP - Review by IP / DC	28	07-Oct-20	03-Nov-20	112	16-Jan-21 A	07-May-21		·			<u>i</u>	<u> </u>		AIP - Revie	w by IP	/ DC		
													· · · · ·	• <u> </u>	Date		Revision C	hecked	Approved
Page 12 of 2		_					то .		.					05	-Nov-19	00			Approved
Data Date: 0	1-May-21 Critical Activity	E	D/201	8/04 I	run	k Koad	12 and	I In	trastructi	ure Works					-Dec-19	000			† 1
	Actual Milestone			for F)ev	elonme	nts at S	പെ	th Anron			BO	UYGUES		-Feb-20	01			WYu
	Actual Work		for Developments at South Apron									01\		/LLo	WYu				
	Baseline Milestone Baseline Bar	Three Monthe Polling Programme (Apr 21)											WYu						
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Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021 January February March April May June July
B24430	AIP - Update & prepare for 2nd Sub	18	04-Nov-20	24-Nov-20	74	09-Feb-21 A	14-May-21	03 10 17 24 31 07 14 21 28 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25 02 09 16 02
B24440	AIP - 2nd Sub	0	04 100 20	24-Nov-20		07100217	14-May-21	◆ AIP - 2nd Sub
B24450	AIP - 2nd Review by SO	28	25-Nov-20	22-Dec-20	28	15-May-21	11-Jun-21	AIP - 2nd Review by SQ
B24460	AIP - SO Consent for DDA Submission	0		22-Dec-20	0		11-Jun-21	◆ AIP - SO Consent for DDA Submission
	Electrical Installation	43	23-Dec-20	17-Feb-21	43	12-Jun-21	03-Aug-21	✓ DDA - ∉&M Electrical Installation
B22870	DDA - Draft - Preparation by Designer	25	23-Dec-20	23-Jan-21	25	12-Jun-21*	13-Jul-21	DDA - Draft -
B22880	DDA - Draft - Final Review and prepare for 1st Sub	18	25-Jan-21	17-Feb-21	18	14-Jul-21	03-Aug-21	
DDA CLP S	Submission - Power Supply to EVB & WVB	28	18-Feb-21	17-Mar-21	28	02-May-21	29-May-21	▼ ▼ DDA CLP Submission - Power Supply to EVB & WVB
B19820	DDA - Review by IP / DC	28	18-Feb-21	17-Mar-21	28	02-May-21	29-May-21	DDA - Review by IP / DC
AIP - E&M	Tunnel Lighting Design	90	09-Nov-20	01-Mar-21	134	23-Dec-20 A	11-Jun-21	AIP - E&M Tunnel Lighting Design
B24890	AIP - 1st Sub	0		09-Nov-20	0		23-Dec-20 A	1st Sub
B24910	AIP - Review by SO	28	10-Nov-20	07-Dec-20	21	24-Dec-20 A	13-Jan-21 A	AIP - Review by SO
B24900	AIP - Review by IP / DC	28	10-Nov-20	07-Dec-20	135	24-Dec-20 A	07-May-21	AIP - Review by IP / DC
B24930	AIP - Update & prepare for 2nd Sub	45	08-Dec-20	01-Feb-21	96	14-Jan-21 A	14-May-21	AIP + Update & prepare for 2nd Sub
B24940	AIP - 2nd Sub	0		01-Feb-21	0		14-May-21	li l
B24950	AIP - 2nd Review by SO	28	02-Feb-21	01-Mar-21	28	15-May-21	11-Jun-21	AIP - 2nd Review by SO
B24960	AIP - SO Consent for DDA Submission	0		01-Mar-21	0		11-Jun-21	AIP - SO Consent for DDA Submission
DDA - E&M	Tunnel Lighting Design	57	02-Mar-21	12-May-21	58	12-Jun-21	20-Aug-21	♥ DDA - £&M Junnel Lighting Design
B22670	DDA - Draft - Preparation by Designer	22	02-Mar-21	26-Mar-21	22	12-Jun-21*	09-Jul-21	DDA; - Draft - Pre
B22680	DDA - Draft - Final Review and prepare for 1st Sub	12	27-Mar-21	14-Apr-21	12	10-Jul-21	23-Jul-21	
B22690	DDA - 1st Sub	0		14-Apr-21	0		23-Jul-21	◆ DDA
B22700	DDA - Review by SO	28	15-Apr-21	12-May-21	28	24-Jul-21	20-Aug-21	
B22720	DDA - Review by IP / DC	28	15-Apr-21	12-May-21	28	24-Jul-21	20-Aug-21	AIP - E&M CMCS
AIP - E&M		141	10-Nov-20	05-May-21	186	11-Dec-20 A	31-Jul-21	
B24970	AIP - Draft - Preparation by Designer	41	10-Nov-20	29-Dec-20	36	11-Dec-20 A	25-Jan-21 A	AIP - Draft - Preparation by Designer
B24980	AIP - Draft - Final Review and prepare for 1st Sub	18	30-Dec-20	20-Jan-21	71	26-Jan-21 A	26-Apr-21 A	AP - Draft - Final Review and prepare for 1st Sub
B24990	AIP - 1st Sub	0		20-Jan-21	0		26-Apr-21 A	♦ AP - 1st Sub
B25010	AIP - Review by SO	28	21-Jan-21	17-Feb-21	21	27-Apr-21 A	17-May-21	
	AIP - Review by IP / DC	28	21-Jan-21	17-Feb-21	21	27-Apr-21 A	17-May-21	AIP - Review by IP / DC
B25030	AIP - Update & prepare for 2nd Sub	38	18-Feb-21	07-Apr-21	38	18-May-21	03-Jul-21	
B25040	AIP - 2nd Sub	0		07-Apr-21	0		03-Jul-21	◆ AIP - 2nd Sub
B25050	AIP - 2nd Review by SO	28	08-Apr-21	05-May-21	28	04-Jul-21	31-Jul-21	
	RON EXTERNAL WORKS	383	11-Jun-20	23-Sep-21	259	07-Dec-20 A	23-Oct-21	
Road S20		327	18-Aug-20	23-Sep-21	209	07-Dec-20 A	23-Aug-21	
	CUE Typical Section & Entrance Structure	207 72	11-Nov-20 27-Feb-21	26-Jul-21 28-May-21	161 113	01-Feb-21 A 01-Feb-21 A	19-Aug-21 23-Jun-21	C C C C C C C C C C C C C C C C C C C
	CUE Entrance Section ELS (Sheet pile)	15		20-101a y-2 1 27-Nov-20	115	21-Jun-21	08-Jul-21	
	CUE UU Installation (Fresh & Salt Water)	48	11-Nov-20 29-May-21	27-100V-20 26-Jul-21	48	21-Jun-21 24-Jun-21	19-Aug-21	
CUE RC S		40	27-11/1d y-2 1	20-Jui-21	85	01-Feb-21 A	20-May-21	
	CUE Typical Section 10%	0			10	01-Feb-21 A	13-Feb-21 A	CUE Typical Section 10%
	CUE Typical Section 20%	0			5	15-Feb-21 A	20-Feb-21 A	CUE Typical Section 20%
	CUE Typical Section 30%	0			14	22-Feb-21 A	09-Mar-21 A	CUE Typical Section 30%
	CUE Typical Section 50%	0			7	10-Mar-21 A	17-Mar-21 A	CUE Typical Section 50%
	CUE Typical Section 60%	0			8	18-Mar-21 A	26-Mar-21 A	CWE Typical Section 60%
	CUE Typical Section 80%	0			29	27-Mar-21 A	05-May-21	¢UE Typical Section 80%
	CUE Typical Section 100%	0			12	06-May-21	20-May-21	CUE Typical Section 100%
Junction &		0			121	22-Feb-21 A	21-Jul-21	
A229430590	Junciton Sheet Pile 50%	0			40	22-Feb-21 A	14-Apr-21 A	Junciton Sheet Pile 50%
A229430600	Junciton Sheet Pile 80%	0			19	16-Apr-21 A	08-May-21	Junciton Sheet Pile 80%
A229430610	Junciton Sheet Pile 100%	0			8	10-May-21	18-May-21	Junciton Sheet Pile 100%
Page 13 of 25 Data Date: 01	Discussed Days	E	D/201					Infrastructure Works outh Apron Date Revision Checked Approved 05-Nov-19 00V0 WYu 18-Dec-19 00V1 WYu 22-Feb-20 01V0 SPa/LLo WYu 09-Apr-20 01V1 SPa/LLo WYu
	Baseline Bar		Th	ree M	ontl	hs Rolli	ng Prog	ramme (Apr-21) 17-Jul-20 01V2 SPa/LLo WYu 09-Oct-20 01V3 SPa/LLo WYu

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish						2021			
									January		February 51 07 14 21 28	March 3 07 14 21 28	April 3 04 11 18 25	May 02 09 16 23	June July 30 06 13 20 27 04 11 1	8 25
A229430620	D Entrance Sheet Pile 20%	0			12	20-May-21	02-Jun-21	- 03	10 1	, 24		01 14 21 20			Entrance Sheet Pile 20%	<u> </u>
A229430650	Junction RC Structure 20%	0			12	20-May-21	02-Jun-21	+	·						Junction RC Structure 20%	
A229430630	Entrance Sheet Pile 60%	0			8	03-Jun-21	11-Jun-21		·						Entrance Sheet Pile 60%	
A229430660	Junction RC Structure 60%	0			12	03-Jun-21	17-Jun-21	+							Junction RC Structure 60%	1
	D Entrance Sheet Pile 100%	0			8	12-Jun-21	22-Jun-21								Entrance Sheet Pile 10	0%
	Junction RC Structure 100%	0			12	18-Jun-21	02-Jul-21		·						Junction RC S	Structure
	D Entrance RC Structure 20%	0			12	23-Jun-21	07-Jul-21		·						Entrance	
	D Entrance RC Structure 60%	0			12	08-Jul-21	21-Jul-21								· · · · · · · · · · · · · · · · · · ·	Entrar
Road & Dr		327	18-Aug-20	23-Sep-21	209	07-Dec-20 A	23-Aug-21		·			·				
Stage 2		154	18-Aug-20	23-Feb-21	191	14-Dec-20 A	09-Aug-21		·		▼ Stage	e 2				
A1940	S20 Stage 2 (Watermain)	5	17-Dec-20	22-Dec-20	5	07-Jun-21	11-Jun-21		·						S20 Stage 2 (Watermain)	
A1950	S20 Stage 2 (U channel, Catchpit, Gully)	24	23-Dec-20	22-Jan-21	24	12-Jun-21	12-Jul-21		·						*	Stage 2 (
A1960	S20 Stage 2 (Roadworks)	24	23-Jan-21	23-Feb-21	24	13-Jul-21	09-Aug-21									·
	e 2 (Sewerage)	0	20 001121	2010021	42	14-Dec-20 A	04-Feb-21 A								· · · · · · · · · · · · · · · · · · ·	
	S20 Stage 2 (Sewerage) 50 %	0			34	14-Dec-20 A	25-Jan-21 A			 S2	520 Stage 2 (Sewerage) 50 %					
	S20 Stage 2 (Sewerage) 100 %	0			36	21-Dec-20 A	04-Feb-21 A				20 Stage 2 (Sewerage) 50 %	ge) 100 %			· · · · · · · · · · · · · · · · · · ·	
	e 2 (Drainage)		18-Aug-20	18-Aug-20	84	05-Feb-21 A	24-May-21		·							
	S20 Stage 2 (Drainage) 40%	0			6	05-Feb-21 A	12-Feb-21 A				S20 Stage 2 (D	Drainage) 40%	++		*	
	S20 Stage 2 (Drainage) 80%	0			5	13-Feb-21 A	20-Feb-21 A		·			age 2 (Drainage) 80%			*	
	S20 Stage 2 (Drainage) 100%	0			6	03-May-21	08-May-21		·					520 Stage 2 (D	aihage) 100%	
A1680	S20 Stage 2 (Watermain)	1	18-Aug-20	18-Aug-20	12	10-May-21	24-May-21								20 Stage 2 (Watermain)	
	e 1 (U channel, Catchpit, Gully)	0	10 / lug 20	10 / lug 20	48	25-May-21	21-Jul-21	·	·							
	S20 Stage 1 (U channel , Catchpit, Gully) 50%	0			12	25-May-21	07-Jun-21	_	·						S20 Stage 1 (U channel, Catchpit, G	111111 EO0
	S20 Stage 1 (U channel, Catchpit, Gully) 100%	0			12	08-Jun-21	22-Jun-21								S20 Stage 1 (IL channe	el, Catchr
	S20 Stage 1 & 2 Pavement 50%	0			12	23-Jun-21	07-Jul-21								\$20 Stag	
		0			12	08-Jul-21	21-Jul-21									\$20 S
Stage 3		173	24-Feb-21	23-Sep-21	209	07-Dec-20 A	23-Aug-21								<u></u>	
A1969	S20 Stage 3 ELS	35	24-Feb-21	09-Apr-21	63	07-Dec-20 A	24-Feb-21 A						SZU Stade 3 FT	N I I I		
A1980	S20 Stage 3 (Drainage)	42	20-May-21	09-Jul-21	138	15-Dec-20 A	07-Jun-21							· · · · · · · · · · · · · · · · · · ·		ae 3 (Dr
A1970	S20 Stage 3 (Sewerage)	32	10-Apr-21	18-May-21		21-Dec-20 A	20-May-21							\$20	S20 Sta	
A1990	S20 Stage 3 (Watermain)	A	10-Api-21 10-Jul-21	14-Jul-21	4	08-Jun-21	11-Jun-21								suge \$ (Sewenage)	
A 1990 A 1995	S20 Stage 3 (UU Diversion)	12	15-Jul-21	28-Jul-21	12	12-Jun-21	26-Jun-21		·							
A 1995 A 2000	S20 Stage 3 (U channel, Catchpit, Gully)	24	29-Jul-21	25-Aug-21	24	28-Jun-21	26-Jul-21		·						<u>}</u>	
A2000 A2010	S20 Stage 3 (Roadworks)	24	29-Jul-21 26-Aug-21	23-Aug-21 23-Sep-21		28-Juli-21 27-Jul-21	28-Jui-21 23-Aug-21		·						<u>}</u>	
			20-Aug-21 11-Jun-20	19-Apr-21	24 90		23-Aug-21 18-Aug-21						AMAW		÷	
	P Sourceso	253		19-Apr-21 29-Jul-20		03-May-21							AiviAvv		÷	
	& Sewerage	40	11-Jun-20		40	03-May-21	19-Jun-21		·						÷	
Section B		40	11-Jun-20	29-Jul-20	40	03-May-21	19-Jun-21	 }	·						ection B - ELS	
	Section B - ELS	18	11-Jun-20	03-Jul-20	18	03-May-21	24-May-21		·						·	
	Section B - Drainage	11	04-Jul-20	16-Jul-20	11	25-May-21	05-Jun-21							·	Section B - Drainage	
	Section B - Sewerage	11	17-Jul-20	29-Jul-20	11	07-Jun-21	19-Jun-21							·	Section B- Sewerage	
Outfall 1		30	11-Mar-21	19-Apr-21	30	15-Jul-21	18-Aug-21	.	·		· · · · · · · · · · · · · · · · · · ·	·····			∮- <u> </u>	
	Outfall 1 Excavation & Blinding	30	11-Mar-21	19-Apr-21	30	15-Jul-21	18-Aug-21				· · · · · · · · · · · · · · · · · · ·					
	ict Cooling System for AMAWBC Section 6B	150	03-Dec-20	09-Jun-21	207	26-Jan-21 A	08-Oct-21	<u>.</u>			· · · · · · · · · · · · · · · · · · ·				▼ [STE] District Cooling System for A	AM AWB(
DCS Secti		150	03-Dec-20	09-Jun-21	207	26-Jan-21 A	08-Oct-21					·		· · · · · · · · · · · · · · · · · · ·	DCS Section 6B	
	DCS - Section D part 1	48	03-Dec-20	30-Jan-21	111	26-Jan-21 A	15-Jun-21	4	!		_ -\ \			· · · · · · · · · · · · · · · · · · ·	DCS - Section D part 1	
A229417303	3 DCS - Section C part 1	48	03-Dec-20	30-Jan-21	60	19-Apr-21 A	30-Jun-21	4			•				DCS - Section C	
A22941729	DCS - Section D part 2	30	01-Feb-21	10-Mar-21	65	26-Apr-21 A	14-Jul-21								þer í sen í se	S - Sectic
A229417304	4 DCS - Section C part 2	48	01-Feb-21	31-Mar-21	48	02-Jul-21	26-Aug-21					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
A229417312	2 DCS - Section A	72	11-Mar-21	09-Jun-21	72	15-Jul-21	08-Oct-21		 				· · · · · ·			
DCS Sect	tion 6B	0			144	26-Jan-21 A	24-Jul-21									
								•								
Page 14 of 2	5 ♦ ♦ Milestone ▼ Summary				_			_						Date 05-Nov-19 (Revision Checked Appro 0V0 WYu	oved
1	Blanned Bar				-											

Page 14 of 25
Data Date: 01-May-21

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Baseline Bar

al Milestone ual Work eline Milestone

ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron



Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
17-Jul-20	01V2	SPa/LLo	WYu
09-Oct-20	01V3	SPa/LLo	WYu

Activity ID A	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021
, i i i i i i i i i i i i i i i i i i i			1			1	1	January February March April May June July 03 10 17 24 31 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25
Sheet Pile		0			126	26-Jan-21 A	03-Jul-21	
A229430	Bay 1 Sheet Pile	0	,		31	26-Jan-21 A	06-Mar-21 A	Bay 1 Sheęt Pile
A229430	Bay 2 Sheet Pile	0	,		25	15-Mar-21 A	17-Apr-21 A	Bay 2 Sheet Pile
A229430 ⁻	Bay 5 Sheet Pile 30%	0	,		26	19-Apr-21 A	20-May-21	Pay E Shoot Dilo 200/
A229430	Bay 4 Sheet Pile	0	,		20	26-Apr-21 A	20-May-21	Bay 4 Sheet Pile
A229430	Bay 5 Sheet Pile 60%	0	,	· · · · · · · · · · · · · · · · · · ·	18	21-May-21	10-Jun-21	Bay 4 Sheet Pile Bay 5 Sheet Pile 60% Bay 5 Sheet Pile 60%
A229430 ⁻	Bay 5 Sheet Pile 1000%	0	1	· · · · · · · · · · · · · · · · · · ·	18	11-Jun-21	03-Jul-21	Bay 5 Sheet Pile 1000
Excavation	on the second	0			112	08-Mar-21 A	24-Jul-21	
	Bay 1 Excavation	0	,	'	11	08-Mar-21 A	20-Mar-21 A	Bay 1 Excavation
A229430	Bay 2 Excavation	0	J	,	29	19-Apr-21 A	24-May-21	Bay 2 Excavation
A229430	Bay 4 Excavation	0	,,	,	18	21-May-21	10-Jun-21	Bay 4 Excavation
A229430	Bay 5 Excavation 50%	0	,,	,	18	05-Jul-21	24-Jul-21	Bay
Pipe Install	allation	0			51	03-May-21	03-Jul-21	
A229430	Bay 1 Pipe Installation	0	,	,	18	03-May-21	24-May-21	Bay 1 Pipe Installation
A229430	Bay 2 Pipe Installation	0	1	,	18	25-May-21	15-Jun-21	Bay 2 Pipe Installation
A229430	Bay 4 Pipe Installation	0	1		18	11-Jun-21	03-Jul-21	Bay 4 Pipe Installation
[STE] Distric	ict Cooling System - Remaining Section 7B	96	17-Dec-20	19-Apr-21	139	17-Dec-20 A	10-Jun-21	▼ [STE] District Çoolinġ System - Remaining Section 7B
Road L10S		96	17-Dec-20	19-Apr-21	139	17-Dec-20 A	10-Jun-21	Rộad L <mark>i</mark> OS
	DCS - Material Procurement for Section 7B	96	17-Dec-20	19-Apr-21	118	17-Dec-20 A	15-May-21	DC\$ - Material Procurement for Section 7B
	DCS - Pipe Installation under DPR	21	21-Jan-21	17-Feb-21	21	17-May-21	10-Jun-21	DC\$ - Malerial Procurement for Section 7B
Foot Bridge F		144		30-Jun-21	171		23-Oct-21	V East Bridge EB.00
	Temporary Ramp provision	72		30-Mar-21		03-May-21*	28-Jul-21	
	Existing Ramp KF-64 demolition	72		30-Jun-21		29-Jul-21	23-Oct-21	
Foot Bridge		0			110		10-Aug-21	┫╬╍╍╬╍╍╬╍╍╬╍╍╬╍╍╬╍╍╬╍╍╬╍╍╬╍╍╬╍╍╬╍╍╬╍╌╬╍╌╬
	D FB-02 H-Pile (1 rig) P4/P5/LA&B/D 25%	0		1	39	26-Mar-21 A	15-May-21	FB-02 H-Pile (1 rig) P4/P5/LA&B/D 25%
	D FB-02 H-Pile (1 rig) P4/P5/LA&B/D 50%	0		·'	12	17-May-21	31-May-21	FB-02 H-Pile (1 rig) P4/P5/LA&B/D 50%
	D FB-02 H-Pile (1 rig) P4/P5/LA&B/D 75%	0			12	01-Jun-21	15-Jun-21	FB-02 H-Pile (1 rig):P4/P5/LA&B/D 75
	D Temporary Ramp Construction 25%	0		· [· · · · · · · · · · · · · · · · · ·	12	15-Jun-21*	28-Jun-21	
	D FB-02 H-Pile (1 rig) P4/P5/LA&B/D 100%	0		· ,	12	16-Jun-21	28-Jun-21	
	D Temporary Ramp Construction 50%		· '	· ,	12		13-Jul-21	FB-02 H-Pile (1 rig) P4/P
	D Temporary Ramp Construction 50%	0	I	· · · · · · · · · · · · · · · · · · ·	12	29-Jun-21 14-Jul-21	27-Jul-21	
	D Temporary Ramp Construction 75%	0			12	14-Jul-21 28-Jul-21		╶┨┊╌╌┊╌╌┊╌╴┊╌╴┊╌╴┊╌╴┊╌╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊
		-		14 Jul 21			10-Aug-21	
	Bun Road / Cheung Yip Street / Wang Chiu Road Junction	175		14-Jul-21	196	11-Jan-21 A	08-Sep-21	
A229425220		0		05-Dec-20		¹	11-Jan-21 A	◆ TTA Phasing
	TMLG for XP validation	0		24-Dec-20		¹	25-Jan-21 A	TMLG for XP validation
A229425240		0		25-Jan-21	0	¹	08-Feb-21 A	
	TMLG to TD for Approval	0		30-Jan-21	0	¹	12-Feb-21 A	◆ ◆ TMLG to TD for Approval
	TMLG Approved	0		19-Feb-21		¹	20-Feb-21 A	TML G Approved Declaration From DMO for TTA Implementation
	Roadworks advice from RMO for TTA Implementation	0		01-Mar-21	0	J	26-Feb-21 A	♦ Provide advice from RMO for TTA Implementation
	HBR / CYS / WCR Drainage Works	60		15-May-21		03-May-21	14-Jul-21	
	HBR / CYS / WCR Sub-base, Kerb line modication & Pavement Works	48	,	14-Jul-21	48	15-Jul-21	08-Sep-21	
	L10 (Northern)	0			173		28-Jul-21	
CUE		0			173		28-Jul-21	
CUE		0			173		28-Jul-21	
	CUE L10(N) ELS (Sheet pile) part 1 10%	0	I	,	33	23-Dec-20 A	02-Feb-21 A	CUE L10(N) ELS (Sheet pile) part 1 10%
	CUE L10(N) ELS (Sheet pile) part 1 20%	0			22	03-Feb-21 A	03-Mar-21 A	CUE L'10(N) ELS (\$helet pile) part 1 20%
	CUE L10(N) ELS (Sheet pile) part 1 40%	0]	J	14	05-Mar-21 A	20-Mar-21 A	CUE L10(N) EL\$ (Sheet pile) part 1 40%
A2294298	CUE L10(N) ELS (Sheet pile) part 1 60%	0	j	,	18	22-Mar-21 A	16-Apr-21 A	CUE L 10(N) ELS (Sheet pile) part 1 60%
A2294298:	CUE L10(N) ELS (Sheet pile) part 1 80%	0	1	,	22	17-Apr-21 A	13-May-21	CUE (10(N) ELS (Sheet pile) part 1 80%
A2294298	CUE L10(N) ELS (Excavation) part 1 10%	0	, 	, ,	12	03-May-21	15-May-21	CUE L10(N) EL\$ (Excavation) part 1 10%
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Page 15 of 25								Date Revision Checked Approved
Data Date: 01-	1-May-21 Planned Bar	F	-D/201	· 8/04 T	rur	nk Road	$_{1}$ T2 and	Infrastructure Works
í.	Critical A divity							
1				י tor	i)ev	<i>i</i> elopme ⁻	Ints at Sr	South Apron BOUYGUES 22-Feb-20 01V0 SPa/LLo WYu

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Actual Work 🔷 Baseline Milestone

Baseline Bar

TRAVAUX PUBLICS

09-Apr-20

17-Jul-20 09-Oct-20

01V1

01V2

01V3

SPa/LLo

SPa/LLo

SPa/LLo

WYu

WYu

WYu

Activity ID	Activity Name	Dur 01V2 Start	01V2 Finish	Dur	Start	Finish	2021 January February March April May June	July
							03 10 17 24 31 07 14 21 28 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27	04 11 18 25
	CUE L10(N) ELS (Sheet pile) part 1 100%	0		12	14-May-21	28-May-21	CUE;L10(N) ELS;(Sheet pile	5
A2294298!	CUE L10(N) ELS (Excavation) part 1 20%	0		12	17-May-21	31-May-21	CŲE L10(N) ELS (Excava	ion) part 1 20%
A2294304!	CUE L10(N) ELS (Sheet pile) part 1 10%	0		12	29-May-21	11-Jun-21	CUE L 10(N) E L	(Sheet pile) part 1 10%
A2294298i	CUE L10(N) ELS (Excavation) part 1 30%	0		12	01-Jun-21	15-Jun-21	CUE L 10(N)	ELS (Excavation) part 1
A2294304	CUE L10(N) ELS (Sheet pile) part 1 20%	0		12	12-Jun-21	26-Jun-21		E L10(N) EL\$ (Sheet pil∈
A2294304:	CUE L10(N) ELS (Excavation) part 1 40%	0		12	16-Jun-21	29-Jun-21		UE L10(N) ELS (Excava
A2294304 ⁻	CUE L10(N) ELS (Sheet pile) part 1 30%	0		12	28-Jun-21	12-Jul-21		CUE L10(N) E
A2294304	CUE L10(N) ELS (Excavation) part 1 50%	0		12	30-Jun-21	14-Jul-21		CUE L10(N)
A2294304	CUE L10(N) ELS (Sheet pile) part 1 40%	0		12	13-Jul-21	26-Jul-21		C
A2294304	CUE L10(N) ELS (Excavation) part 1 60%	0		12	15-Jul-21	28-Jul-21		
DEPRESSE	ED ROAD [DPR]	173 24-Oct-20	28-May-21	233	01-Dec-20 A	14-Sep-21	♥ PEPRESSED ROAD [DPR]	
Excavation &	& Strutting	107 24-Oct-20	05-Mar-21	167	01-Dec-20 A	28-Jun-21	Excavation & Strutting	
A9510	DPR - CH5962-6008 - Excavation S1	24 24-Oct-20	21-Nov-20	63	01-Dec-20 A	18-Feb-21 A	DPR CH5962-6008 - Excavation S1	
A9530	DPR - CH6080-6150 - Excavation to S1	18 24-Oct-20	14-Nov-20	55	15-Dec-20 A	23-Feb-21 A	DPR - ¢H6080-6150 - Excavation to \$1	
A95201	DPR - CH6008-6080 - Strut S1 Installation	12 19-Nov-20	02-Dec-20	26	25-Jan-21 A	26-Feb-21 A	DPR - CH6008-6080 - \$trut \$1 Installation	
A95301	DPR - CH6080-6150 - Strut S1 Installation	12 16-Nov-20	28-Nov-20	16	15-Feb-21 A	05-Mar-21 A	DPR- CH6080-6150 - \$trut \$1 Installation	
A95302	DPR - CH6080-6150 - Excavation to S2	12 30-Nov-20	12-Dec-20	20	22-Feb-21 A	16-Mar-21 A	DPR - ÇH6080-6150 - Exçavation to S2	
A95202	DPR - CH6008-6080 - Excavation to Strut S3	20 03-Dec-20	28-Dec-20	37	24-Feb-21 A	13-Apr-21 A	DPR - CH6008 -6080 - Exceptation to Strut S3	
A95203	DPR - CH6008-6080 - Strut S3 Installation	12 29-Dec-20	12-Jan-21	29	10-Mar-21 A	17-Apr-21 A	DPR- CH6008-6080 - Ştrut \$3 Installation	
A95303	DPR - CH6080-6150 - Strut S2 Installation	12 14-Dec-20	29-Dec-20	21	22-Mar-21 A	20-Apr-21 A	DPR - CH6080-6150 - Strut S2 Installation	
A95304	DPR - CH6080-6150 - Excavation to S3	12 30-Dec-20	13-Jan-21	34	25-Mar-21 A	08-May-21	E DPR - CH6080-6150 - Excavation to S3	
A95204	DPR - CH6008-6080 - Excavation to FEL	7 13-Jan-21	20-Jan-21	8	14-Apr-21 A	22-Apr-21 A	DPR CH6008-6080 - Excavation to FEL	
A95305	DPR - CH6080-6150 - Strut S3 Installation	12 14-Jan-21	27-Jan-21	12	10-May-21	24-May-21	DPR - CH6080-6150 - Strut S3	
A95306	DPR - CH6080-6150 - Excavation to S4	12 28-Jan-21	10-Feb-21	12	25-May-21	07-Jun-21	DPR-CH6080-615) - Excavation to S4
A95307	DPR - CH6080-6150 - Strut S4 Installation	12 11-Feb-21	27-Feb-21	12	08-Jun-21	22-Jun-21		CH6080-6150 - Strut S4
A95308	DPR - CH6080-6150 - Excavation FEL	5 01-Mar-21	05-Mar-21	5	23-Jun-21	28-Jun-21		PR - CH6080-6150 - Exc
Open Cut S	ection (Ch5962-6008)	0		65	15-Feb-21 A	07-May-21		
A229420380	Excavation Ch5963 - Ch5997	0		5	15-Feb-21 A	20-Feb-21 A	Excavation Ch5963 - Ch5997	
A229426190	Excavation Ch5997 - Ch6008	0		5	03-May-21	07-May-21	Excavation Ch5997 - Ch6008	
Zone 1 (Che	6008 - 6045)	0		91	14-Dec-20 A	10-Apr-21 A		
A229426451	Excavation Stage 1 - below strut S1	0		33	14-Dec-20 A	23-Jan-21 A	Excavation Stage 1 - below strut S1	
A229420340	Strut S1 installation (5 nos)	0		9	06-Feb-21 A	19-Feb-21 A	Strut \$1 installation (5 nos)	
A229420350	Excavation to S3 - 3,600m ³	0		19	24-Feb-21 A	17-Mar-21 A	Excavation to S3 - 3,600m3	
A229420360	Strut S3 installation (5 nos)	0		7	18-Mar-21 A	25-Mar-21 A	Strµt \$3 installation (5 nps)	
A229420370	Excavation Stage 3 - FEL	0		9	26-Mar-21 A	10-Apr-21 A	Excavation Stage 3 - FEL	
Zone 2 (Ché	6045 - 6080)	0		109	01-Dec-20 A	17-Apr-21 A		
A229426531	Excavation Stage 1 - below strut S1	0		63	01-Dec-20 A	18-Feb-21 A	Excavation Stage 1 - below strut \$1	
A229420130	Strut S1 installation (4 nos)	0		5	19-Feb-21 A	24-Feb-21 A	Strut S1 installation (4 nos)	
A229429540	Excavation to S3	0		9	08-Mar-21 A	17-Mar-21 A	Excavation to S3	· · · · · · · · · · · · · · · · · · ·
A229420150	Strut S3 installation (4 nos)	0		9	26-Mar-21 A	10-Apr-21 A	Strut S3 installation (4 nos)	·····
A229420160	Excavation to FEL	0		6	12-Apr-21 A	17-Apr-21 A	Excavation to FEL	
Zone 3 (Che	6080 - 6121)	0		127	07-Dec-20 A	15-May-21		
A229426611	Excavation Stage 1 - below strut S1	0		47	07-Dec-20 A	02-Feb-21 A	Excavation Stage 1 below strut S1	
A229420180	Strut S1 installation (4 nos)	0		5	02-Feb-21 A	06-Feb-21 A	Strut S1 installațion (4 nos)	
A229420210	Excv to below S2	0		18	22-Feb-21 A	13-Mar-21 A	Excy to below S2	
A229426070	Strut S2 installation (4 nos)	0		9	22-Mar-21 A	31-Mar-21 A	\$trut \$2 installation (4 nos)	
A229420170	Excavation to S3	0		6	13-Apr-21 A	20-Apr-21 A	Excavation to \$3	
A229425930	Strut S3 Installation (4 nos)	0		16	19-Apr-21 A	07-May-21	Strut S3 Installation (4 nos)	
A229425940	Excv to FEL	0		7	08-May-21	15-May-21	Excy to FÉL	
Zone 4 (Che	6121 - 6150)	0		121	26-Dec-20 A	28-May-21		·····
· · · · ·								d Approved
Page 16 of 25								
Data Date: 01	-May-21 CriticalAdivity		10/U4 I	run	k Road	iz and	Initastructure vvorks	
	Actual Milestone			Dev	elopme	nts at S	South Apron BOUYGUES 22-Feb-20 01V0 SPa/LLo	WYu
	Actual Work						09-Apr-20 01V1 SPa/LLo	WYu
	Baseline Bar	т	hroo M	ontl	he Rollin	na Droa	ramme (Apr-21)	WYu
		I				iy i iuy	12111111e (Api-21) 09-Oct-20 01V3 SPa/LLo	WYu

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish				2021				
									anuary 0 17	24	February March April March 31 07 14 21 28 04 11 18 25 02 09		June 30 06 13	20 27	July 04 11 18 25
A229426711	Excavation Stage 1 - below strut S1	0			46	26-Dec-20 A	23-Feb-21 A			27	Excavation Stage 1 - below strut S1			20 21	0 20
A229426090	Strut S1 installation (4 nos)	0			4	24-Feb-21 A	27-Feb-21 A		·		Strut S1 installation (4 nos)				
	Excavation to below strut S2	0			11	22-Mar-21 A	08-Apr-21 A				Excavation to below strut S2				
	Strut S2 installation (4 nos)	0			7	15-Apr-21 A	23-Apr-21 A				Strut S2 installation	(4 nos)			
	Excavation to below strut S3	0			7	27-Apr-21 A	05-May-21				Excaval	1	w strut S3		
	Strut S3 installation (4 nos)	0			7	08-May-21	15-May-21					!	installation (4 nos)		
	Excavation to S4	0			2	17-May-21	18-May-21				<u> </u>		ation to S4		
A229425960		0			4	20-May-21	24-May-21					🗖 S			
A229425970		0			4	25-May-21	28-May-21								
Permanent		80	18-Feb-21	28-May-21	168	22-Feb-21 A	14-Sep-21							ure	
· · · · · · · · · · · · · · · · · · ·	DPR - Drainage, Watermains & UU Installation CH5962-6080	30	18-Feb-21	24-Mar-21	30	11-Jun-21	17-Jul-21								DPR-D
	DPR - CH6080-6150 - Base Slab	66	06-Mar-21	28-May-21	66	29-Jun-21	14-Sep-21								
	DPR - Drainage, Watermains & UU Installation CH6080-6150	24	25-Mar-21	26-Apr-21	24	19-Jul-21	14-Aug-21				··∤····∤····↓···↓···↓···↓···↓···↓···↓				
	ection (Ch5962-6008)	0	23 Mar 21		108	22-Feb-21 A	06-Jul-21				-╆ <mark>┥┼┼┼</mark> ┼┼				
	5962 - 5997)	0			43	22-Feb-21 A	17-Apr-21 A				∲ ∲∲∲ ∲∲∲ ∲ ∲ ∲∲∲∲∲∲				
	Blinding & Waterproofing	0			43	22-Feb-21 A	06-Mar-21 A				Blinding & Waterproofing				
A2294580 A2294590		0			12	08-Mar-21 A	18-Mar-21 A				Base Slab				
		0			10	08-Mar-21 A	18-Mar-21 A 18-Mar-21 A		·						
	Drainage Works	-			10	19-Mar-21 A					Retaining Wall				
	Retaining Wall	0					26-Mar-21 A				- <u>.</u>	lling			
	Waterproofing and Backfilling	0			9	05-Apr-21 A	17-Apr-21 A				Waterproofing and Back	iiing ¦			
	5997 - 6008)	0			48	08-May-21	06-Jul-21				<u></u>				
A2294261	6	0			9	08-May-21	18-May-21					Bilindin			
A2294261		0			12	20-May-21	02-Jun-21					· · · · · · · · · · · · · · · · · · ·	Base Slab		
	Drainage Works	0			10	21-May-21	01-Jun-21		·				Drainage Wor		
	Retaining Wall	0			18	03-Jun-21	24-Jun-21	ļ					; 	E Ret	aining Wall
	Waterproofing	0			9	25-Jun-21	06-Jul-21	ļ							Waterproofing
Zone 1 (Che	-	0			107	15-Apr-21 A	21-Aug-21								
A22941991	5	0			17	15-Apr-21 A	05-May-21				Blinding Blinding				
A229429550	DCS Pipes	0			26	15-Apr-21 A	15-May-21					DC\$ Pip			
A22941992	Base Slab	0			15	06-May-21	24-May-21					B	Base Slab		
A229420490	Strut S3 removal	0			6	25-May-21	31-May-21						🗖 Strut S3 remov		
A229420500	South Apron Adit Wall	0			21	01-Jun-21	25-Jun-21							So :	uth Apron Adit Wall
A2294199	SP Removal	0			6	03-Jun-21	09-Jun-21						SP Rei	moval;	
A229426140	Blinding	0			6	10-Jun-21	17-Jun-21			- 1				Blinding	
A229420510	Road Slab	0			12	26-Jun-21	10-Jul-21								Road Slab
A229430060	Road Slab & Drainage Works	0			12	26-Jun-21	10-Jul-21								Road Slab & E
A229426220	Drainage Works	0			10	28-Jun-21	09-Jul-21								Drainage Work
A229426260	Waterproofing and Backfilling	0			9	12-Jul-21	21-Jul-21								Wate
A229420520	Strut S1 removal	0			6	22-Jul-21	28-Jul-21								
A229420530	Retaining Wall	0			21	29-Jul-21	21-Aug-21								
Zone 2 (Ché	6045 - 6080)	0			82	16-Apr-21 A	24-Jul-21								
	Blinding & Waterproofing	0			22	16-Apr-21 A	12-May-21		·				Vaterproofing		
A229420390		0			15	13-May-21	31-May-21					÷	🗖 Base Slab		
A229420400	Strut S3 removal	0			6	01-Jun-21	07-Jun-21						Strut S3	removal	
	South Apron Adit Wall	0			21	08-Jun-21	03-Jul-21								South Apron Adit W
A229420420		0			12	05-Jul-21	17-Jul-21		·						Road SI
	Road Slab & Drainage Works	0			12	05-Jul-21	17-Jul-21								Road SI
	Drainage Works	0			9	10-Jul-21	20-Jul-21								Drain
	Strut S1 removal	0			6	19-Jul-21	24-Jul-21								
	5080 - 6121)	0			63	17-May-21	31-Jul-21				╌╬┼╌╌┊╌╌┊╌╌┊╌╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╎╴┊╴╴┊╴╴┊╴╴┊				
					33	17 May 21			1						
Page 17 of 25													Revision	Check	ed Approved
Data Date: 01		E	D/201	8/04 T	run	k Road	T2 and	Infra	astr	ucl	ture Works			VYu VYu	
											110)00				

itical Activity Actual Milestone ctual Work

Baseline Bar

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aseline Milestone

ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

WYu 00V1 18-Dec-19 BOUYGUES TRAVAUX PUBLICS 22-Feb-20 01V0 SPa/LLo WYu 09-Apr-20 01V1 SPa/LLo WYu 01V2 SPa/LLo WYu 17-Jul-20 09-Oct-20 01V3 SPa/LLo WYu

Activity ID	Activity Name	Dur 01V2 Start	01V2 Finish	Dur	Start	Finish	2021
, ,							January February March April May June July 03 10 17 24 31 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25
A229420449	Blinding & Waterproofing	0		9	17-May-21	27-May-21	03 10 17 24 31 07 14 21 28 07 14 21 28 04 11 18 23 02 09 18 23 30 06 13 20 27 04 11 18 23 Blinding & Waterproofing
A229420450		0		15	28-May-21	15-Jun-21	Base Slab
	Strut S3 removal	0		6	16-Jun-21	22-Jun-21	Strut S3 removal
	South Apron Adit Wall	0		21	23-Jun-21	17-Jul-21	South Api
	South Apron Adit Wall	0		21	23-Jun-21	17-Jul-21	South Api
A2294430		0		12	19-Jul-21	31-Jul-21	
	Drainage Works	0		12	20-Jul-21	30-Jul-21	╡╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╍╞╍╸╞╍╸╞╍╸╞╍
	6121 - 6150)	0		60		09-Aug-21	\$}
A2294480	-	0		00	29-May-21	09-Aug-21 08-Jun-21	
				9	29-May-21		Base Slab; Ch6140 - Ch6150
	Base Slab Ch6140 - Ch6150	0		9	09-Jun-21	19-Jun-21	
A229425980		0		3	21-Jun-21	23-Jun-21	Strut S4
	Strut S4 removal	0		4	21-Jun-21	24-Jun-21	Strut \$4 removal Strut \$4 removal Base Slab part 2
	Base Slab part 2	0		12	24-Jun-21	08-Jul-21	
	Base Slab Ch6121 - Ch6140	0		12	25-Jun-21	09-Jul-21	Base Slab Ch61:
	Strut S3 removal	0		6	09-Jul-21	15-Jul-21	Strut \$3 rei
	Strut S3 removal	0		6	10-Jul-21	16-Jul-21	Strut;S3 re
A2294530	South Apron Adit Wall	0		21	16-Jul-21	09-Aug-21	
WEST VEN	ITILATION BUILDING [WVB]	146 03-Dec-20	04-Jun-21	226	04-Jan-21 A	08-Oct-21	V WEST VENTILATION BUILDING [WVB]
ELS system	& Foundation	146 03-Dec-20	04-Jun-21	226	04-Jan-21 A	08-Oct-21	V ELS system & Foundation
A9650	WVB - Sheet Piles Installation 50% completion	48 03-Dec-20	30-Jan-21	55	04-Jan-21 A	11-Mar-21 A	WVB Sheet Piles Installation 50% completion
A96501	WVB - Sheet Piles Installation 100% completion	48 01-Feb-21	31-Mar-21	86	12-Mar-21 A	28-Jun-21	WVB - Sheet Piles Installa
A9640	WVB - H-piles Drilling / Installation / Grouting 50% completion	66 19-Dec-20	12-Mar-21	66	03-May-21	21-Jul-21	
A96401	WVB - H-piles Drilling / Installation / Grouting 100% completion	66 13-Mar-21	04-Jun-21	66	22-Jul-21	08-Oct-21	
ELS System		0		83	19-Mar-21 A	02-Jul-21	
ELS Syster		0		83	19-Mar-21 A	02-Jul-21	
	Installation	0		49	19-Mar-21 A	21-May-21	
	North West Face connection welding	0		7	19-Mar-21 A	26-Mar-21 A	North West Face connection welding
	3rd layer North West Face	0		34	27-Mar-21 A	11-May-21	37d layer North West Face
	South West Face connection welding	0		10	31-Mar-21 A	15-Apr-21 A	South West Face connection welding
	3rd layer South West Face	0		32	13-Apr-21 A	21-May-21	3rd layer South West Face
	3rd layer North East Face	0		29	16-Apr-21 A	21-May-21	3rd layer North East Face
A22 94 308	North East Face connection welding	0		13	16-Apr-21 A	30-Apr-21 A	North East Face connection welding
	South East Face connection welding	0		19	17-Apr-21 A	10-May-21	South East Face connection welding
	South East Face	0		26			South East Face
	South East Face	-			19-Apr-21 A	20-May-21	
North		0		55	29-Mar-21 A	07-Jun-21	
KP1000	Rig Mobilization & Setup	0		3	29-Mar-21 A	31-Mar-21 A	Rig Mýbilization & Setup
KP1001	KP Drilling (KP3 & KP4) @ 2d/no	0		1	01-Apr-21 A	06-Apr-21 A	KP Drilling (KP3 & KP4) @ 2d/no
KP1004	KP Drilling (KP1 & KP2) @ 2d/no	0		3	13-Apr-21 A	15-Apr-21 A	KP Drilling (KP1 & KP2) @ 2d/no
KP1007	KP Drilling (KP9 & KP10) @ 2d/no	0		4	15-Apr-21 A	19-Apr-21 A	KP Drilling (KP9 & KP10) @ 2d/no
KP1002	KP Installation & Grouting (KP3 & KP4) @ 2d/no	0		4	07-May-21	11-May-21	KP Installation & Grouting (KP3 & KP4) @ 2d/no
KP1003	Pumping Well Installation - 6 nos x 2 rigs (Zone 3)	0		6	12-May-21	18-May-21	Pumping Wel Installation 6 nos x 2 rígs (Zone 3)
KP1005	KP Installation & Grouting (KP1 & KP2) @ 2d/no	0		4	12-May-21	15-May-21	KP Installation & Grouting (KP1 & KP2) @ 2d/no
KP1008	KP Installation & Grouting (KP9 & KP10) @ 2d/no	0		4	17-May-21	21-May-21	KP Installation & Grouting (KP9 & KP10) @ 2d/no
KP1006	Pumping Well Installation - 6 nos x 2 rigs (Zone 1)	0		6	24-May-21	29-May-21	Pumping Well Installation - 6 nos x 2 rigs (Zone 1)
KP10081	Pumping Well Installation - 7 nos x 2 rigs (Zone 2)	0		7	31-May-21	07-Jun-21	Pumping Well Installation - 7 nos x 2 rigs (Zo
South		0		63	07-Apr-21 A	22-Jun-21	
KP1009	KP Drilling (KP5 & KP6) @ 2d/no	0		5	07-Apr-21 A	12-Apr-21 A	KP Drilling (KP5 & KP6) @ 2d/no
KP1010	KP Installation & Grouting (KP5 & KP6) @ 2d/no	0		4	03-May-21	06-May-21	KP Installation & Grouting (KP5 & KP6) @ 2d/ho
KP10101	Pumping Well Installation - 3 nos x 2 rigs (Zone 6)	0		3	20-May-21	22-May-21	Pumping Well Installation - 3 nos x 2 rigs (Zone 6)
KP10102	KP Drilling (KP11 & KP12) @ 2d/no	0		4	08-Jun-21	11-Jun-21	C Drilling (KP11 & KP12) @ 2d/no
Page 18 of 25 Data Date: 01		Infrastructure Works buth Apron amme (Apr-21)					
<u>الــــــــــــــــــــــــــــــــــــ</u>							

Activity ID	Activity Name	Dur	r 01V2 Start	01V2 Finish	Dur	Start	Finish	
					Λ	1	1	January February March April May June July 03 10 17 24 31 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25
KP10103	KP Installation & Grouting (KP11 & KP12) @ 2d/no	0			4	10-Jun-21	15-Jun-21	KP Installation & Grouting (KP11 & KI
	KP Drilling (KP7 & KP8) @ 2d/no	0	1	1	4	12-Jun-21	17-Jun-21	KP Drilling (KP7 & KP8) @ 2d/no
	KP Installation & Grouting (KP7 & KP8) @ 2d/no	0	1		4	16-Jun-21	19-Jun-21	KP thistallation & Grouting (KP7 &
	Pumping Well Installation - 2 nos x 2 rigs (Zone 5)	0			2	21-Jun-21	22-Jun-21	Pumping Well Installation - 2 no
	tform Location	0			38	17-May-21	02-Jul-21	▲ ╡╌╌┊╌╌┊╌╴╡╌╴┊┼╌┊╌╴┊╌╴┊╴╴┆╴╴┆╴╴┆╴╴┆╴╴┆╴╴┆╴╴┆╴╴┊╴╴┊╴╴┆╴╴┆╴╴┆╴╴
	KP Drilling (DP1 - DP6) 6 nos @ 3d/no	0		1	18	17-May-21	07-Jun-21	KP Drilling (DP1 - DP6) 6 nos @ 3d/no
	KP Installation (DP1 - DP6) 6 nos @ 2d/no	0		·'	18	20-May-21	09-Jun-21	KP Installation (DP1 - DP6) 6 nos @ 2d/no
	Pumping Well Installation - 11 nos x 3 rigs (Zone 4)	0		·'	8	08-Jun-21	17-Jun-21	Pumping Well Installation - 11 nos x
	Steel Deck Erection	0		·'	18	10-Jun-21	02-Jul-21	Steel Deck Erection
Excavation 8		0		· · · · · · · · · · · · · · · · · · ·	39	23-Jun-21	02-Jui-21 07-Aug-21	┛┋╌╌┋╌╌┋╌╴┋╌╴ <u>╡╌╴</u> ╡╌╴┋╌╴┋╌╴┋╌╴┋╌╴┋╌╴┋╌╴┋╌╴┋╌╴┇╴╴┊╴╴┋╴╴┋╴╴┋╴╴
· · · · · · · · · · · · · · · · · · ·	Pumping Test	0			12	23-Jun-21 23-Jun-21	07-Aug-21 07-Jul-21	Pumping Test
	Excavation to below \$1.50%	0		·	12	23-Jun-21 08-Jul-21	07-Jul-21 17-Jul-21	
		-			9			● Bulk Excavation S
	Bulk Excavation Start	0		·		08-Jul-21		
	Excavation to below S1 100%	0		·'	9	19-Jul-21	28-Jul-21	
	Strut S1 Installation 50%	0		I	9	19-Jul-21	28-Jul-21	
	Strut S1 Installation 100%	0		· · ·	9	29-Jul-21	07-Aug-21	
SOUTH AP		24	01-Apr-21	04-May-21		22-Mar-21 A	15-Apr-21 A	SOUTH APRON ADIT
A9790	South Apron Adit - Sheet piling	24	01-Apr-21	04-May-21	17	22-Mar-21 A	15-Apr-21 A	South Apron Adit - Sheet piling
C&C TUNN	NEL / LAUNCHING SHAFT [C&C / LS]	167	7 19-Feb-21	10-Sep-21	215	01-Dec-20 A	24-Aug-21	
	vation & Strutting	119	9 19-Feb-21	16-Jul-21	181	01-Dec-20 A	15-Jul-21	Shaft Exc ²
	C&C Shaft - Concete Strutting Slab + Excavation Step 1	22		16-Mar-21	13	21-Jan-21 A	04-Feb-21 A	C&C Shaft - Concete Strutting Stab + Excavation Step 1
	C&C Shaft - Concete Strutting Slab + Excavation Step 2	22		15-Apr-21	14	05-Feb-21 A	24-Feb-21 A	C&C Shaft Concete Strutting Slab + Excavation Step 2
	Double Cells Shaft - Excavation - Stage 1 to below Concrete Strut	24		18-Mar-21	29	24-Feb-21 A	29-Mar-21 A	Double Calls Shaft - Excavation - Stage 1 to below Concrete Strut
	C&C Shaft - Concete Strutting Slab + Excavation Step 3	22		12-May-21		25-Feb-21 A	29-Mar-21 A	C&C Shaft - Concete Strutting Slab + Excavation Step 3
	Cell 1 & Cell 2 Concrete Strut Construction	14	· ·	08-Apr-21	7	30-Mar-21 A	12-Apr-21 A	Cell 1 & Cell 2 Concrete Strut Construction
	C&C Shaft - Concete Strutting Slab + Excavation Step 4	18		· ·	30	30-Mar-21 A	08-May-21	C&C \$haft -: Concete Strutting Slab + Excavation
	Double Cells Shaft - Excavation - Step 2 to FEL	48		05-Jun-21		15-Apr-21 A	29-May-21	Double Cells Shaft - Excavation - Step 2 to FE
	C&C Shaft - Steel Strutting + Excavation Step 5	18	· ·	25-Jun-21	18	10-May-21	31-May-21	C&CShaft- Steel Strutting +
	C&C Shaft - Steel Strutting + Excavation Step 5	17			17	01-Jun-21	21-Jun-21	
Cut & Cove		0		10-Jui 2 i	181		15-Jul-21	<u></u> ┫╪╍╍╪╍╍╪╍╍╪╍╍╪╍╍╪╍╍╪╍╍╪╍╍╪╍╍╪╍┼╪╍╍╪╍╌╪╍╌╪╍╸╪╍╸ <mark>╠</mark> ╍╍╞╍╸╪╍╸╪╍╸╪╓╸╪┲╸╪┲╸╪╴╸╪╸┼╪╌╸╪╍╸╪╍╸
S1 Struttin		0			41	01-Dec-20 A	21-Jan-21 A	┫┇╌╌┊╌╌┊╌╴╡╌╴╡┼╌┊╌╴┊╌╴┊╴╴┊╴╴┊╴╴┊╴╴┊╶┼┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╵╴┊╴╴┊╴╴┊╴╴┊
	ang Slab Capping Beam & Strutting Slab S1) Part 1				41	01-Dec-20 A	21-Jan-21 A 08-Dec-20 A	┛╡╍╌┊╌╶┊╌╴╡╌╴ <u>╢</u> ╌╴┊╌╴┊╌╴┊╌╴╢╴╴┊╌╴┊╌╴┊╌┊╴┼┊╌╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╵╴┊╎╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊
South	oping Beam & Strutting Stab Stylean T					01-Dec-20 A 02-Dec-20 A	08-Dec-20 A 05-Dec-20 A	<u></u> ┫╪╌╌┊╌╴┊╌╴╡╌╴╡┼╴┊┼╴┊╌╴┊╴╴┊╌╴┊╴╴┊╌┊╴┊╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴
	DS-02 to DS-04 Formworks Erection (WKK)	0			4	02-Dec-20 A	05-Dec-20 A	works Erection (WKK)
Overall				'		01-Dec-20 A	08-Dec-20 A	
	Steel Fixing for Capping Beam & Strutting Slab	0			4	01-Dec-20 A	04-Dec-20 A	hg Beam & Strutting Slab
	Pour 1 Concreting	0		·'	+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	07-Dec-20 A	07-Dec-20 A	
	Formwork removal & CJ cleaning	0		'	+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	08-Dec-20 A	08-Dec-20 A	l & CJ cleaning
	Santry Beam)	0			19		04-Jan-21 A	
North		0				11-Dec-20 A	29-Dec-20 A	<u>╢</u> ╪╌╌┾╌╌╞╌╴┼──┼┤╌╞╌╴┼╌╌┼──┼┼╌┾╌╌┾╌┼┼┼╌┾╌╌┾╌╴╆╴╴╢╴╴┾╴╴┼╴┼┼╴┼╴┼┼╴┼╴┼╴┼╴┼╴┼╴┼╴┼┼┼┼╴┼╴┼╴┼╴
	Gantry Beam & Y2N formation works (SAMMON)	0			8	11-Dec-20 A	18-Dec-20 A	am & Y2N formation works (SAMMON)
	Blinding Concrete (WKK)	0			+ +	19-Dec-20 A	19-Dec-20 A	Concrete (WKK)
	Steel Fixing of Gantry Beam (BP)	0		·'	4	21-Dec-20 A		el Fixing of Gantry Beam (BP)
	Formworks erection of Gantry Beam (WKK)	0		· - ['	6	21-Dec-20 A	29-Dec-20 A	Formworks erection of Gantry Beam (WKK)
South				'		10-Dec-20 A	31-Dec-20 A	
	ELS Waling & Struts Installation (BTP)	0			4	10-Dec-20 A	14-Dec-20 A	Struts Instal(ation (BTP)
	2 GW removal & Excavation to Gantry Beam soffit (BTP)	0		· - ['	2	15-Dec-20 A	16-Dec-20 A	al & Excavation to Gantry Beam soffit (BTP)
	Gantry Beam & Y2S formation works (SAMMON)	0		·'	5	17-Dec-20 A	22-Dec-20 A	VBeam & Y2\$ formation works (SAMMON)
	Blinding Concrete (WKK)	0		· '		22-Dec-20 A		ng Concrete (WKK)
					8			Steel Fixing of Gantry Beam (BP)
A114231,	Steel Fixing of Gantry Beam (BP)	0	,	I	<u> </u>	23-Dec-20 A	30-Dec-20 A	
								Date Revision Checked Approved

Page 19 of 25 Data Date: 01-May-21 Milestone V

ticalActivity

Summary

Actual Milestone

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Baseline Milestone

ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS



Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
17-Jul-20	01V2	SPa/LLo	WYu
09-Oct-20	01V3	SPa/LLo	WYu

Activity I	D	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021 January February March April	Mov	luno		huby
									03 10 17 24 31 07 14 21 28 07 14 21 28 07 14 11 18 25 02	May 09 16 23	June 30 06 13 20	27 04	11 18 25
		Formworks erection of Gantry Beam (WKK)	0			4	28-Dec-20 A	31-Dec-20 A	Formworks erection of Gantry Beam (WKK)				
	Overall		0			2	02-Jan-21 A	04-Jan-21 A	IF Pour 2 Concreting (WKK)				
		Pour 2 Concreting (WKK)	0			1	02-Jan-21 A	02-Jan-21 A	↓ J K K J K K K K K K J K _ K				
		Pour 2 Formworks removal & CJ Cleaning (WKK & BTP) apping Beam & Strutting Slab S1) Part 2	0			14	04-Jan-21 A	04-Jan-21 A	I Pour 2 Formworks removal & CJ Cleaning (WKK & BTP)				
	South	apping Beam & Strutting Slab S1) Part 2	0			2	05-Jan-21 A 05-Jan-21 A	21-Jan-21 A 06-Jan-21 A					
		ELS Removal at Zone C (DARWIN)	0			2	05-Jan-21 A	06-Jan-21 A	■ ELS Removal at Zone C (DARWIN)	!			
	Overall		0			13	06-Jan-21 A	21-Jan-21 A					
	A114281	Blinding Conrete (WKK)	0			2	06-Jan-21 A	07-Jan-21 A	Blinding Conrete (WKK)				
	A229428	Backfilling & Formation	0			2	08-Jan-21 A	09-Jan-21 A	Backfilling & Formation				
	A114291	Steel Fixing Pour 3 (BP)	0			4	11-Jan-21 A	14-Jan-21 A	Steel Fixing Pour 3 (BP)				
	A114311	Pour 3 Concreting (WKK)	0			1	15-Jan-21 A	15-Jan-21 A	Pour 3 Concreting (WKK)				
	A114441	Concrete Strength Gain	0			3	16-Jan-21 A	18-Jan-21 A	Concrete Strength Gain				
	A114451	Cut & Cover Bulk Excavation Start	0			0	21-Jan-21 A		Cut & Cover Bulk Excavation Start				
		er Bulk Excavation	0			140	21-Jan-21 A	15-Jul-21					
		Excavation to below S2	0			15	21-Jan-21 A	04-Feb-21 A	Excavation to beldw S2				-+
		Strut S2 Construction	0			9	05-Feb-21 A	13-Feb-21 A	Strut S2 Construction Excavation to below S3		·		· · · · · · · · · · · · · · · · · · ·
		Excavation to below S3	0			8	16-Feb-21 A	23-Feb-21 A					
		Strut S3 Construction	0			10	24-Feb-21 A	05-Mar-21 A	Strut S3 Construction				
		Excavation to below S4	0			10	09-Mar-21 A	19-Mar-21 A	Excavation to be fow S4				
		Permanent Strutting Slab S4	0			20	20-Mar-21 A	17-Apr-21 A		Excavation to be			
		Excavation to below S5 Steel Strut S5	0			15 10	20-Apr-21 A	07-May-21 20-May-21			Strut \$5		
		Excavation to below S6	0			9	08-May-21 21-May-21	31-May-21			Excavation to belo	N \$6	
		Steel Strut S6	0			9	01-Jun-21	11-Jun-21			Steel Str		
		Excavation to FEL	0			9	12-Jun-21	23-Jun-21				Excavation	th FFI
		Barrette Trimming	0			9	24-Jun-21	05-Jul-21					Barrette Trimming
		Base Slab Construction 50%	0			9	06-Jul-21	15-Jul-21					Base Slab
	Launching		0			142	02-Dec-20 A	29-May-21					
	Capping B		0			59	02-Dec-20 A	12-Feb-21 A					
	Cell 2		0			49	02-Dec-20 A	31-Jan-21 A					
	Pour 4 (S		0			17	25-Dec-20 A	16-Jan-21 A			;		
	A229429	ELS Wailing & Struts for Pour 4,5 & 6	0			3	25-Dec-20 A	30-Dec-20 A	ELS Wailing & Struts for Pour 4,5 & 6				
		Dwall Breaking	0			6	31-Dec-20 A	07-Jan-21 A	Dwall Breaking				
		Trimming	0			2	08-Jan-21 A	09-Jan-21 A	Trimming				
		Blinding concrete	0			1	09-Jan-21 A	09-Jan-21 A	I Blinding concrete				
		Steel Fixing	0			3	11-Jan-21 A	13-Jan-21 A	Steel Fixing		i i i 		
		Formworks Erection	0			2	14-Jan-21 A	15-Jan-21 A	■ Formworks Erection				· · · · · · · · · · · · · · · · · · ·
		Concrete	0			1	16-Jan-21 A	16-Jan-21 A	Concrete				
	Pour 5 (N A 2294 28	Iorth) Excavation & GW Breaking	0			31 18	02-Dec-20 A 02-Dec-20 A	09-Jan-21 A 22-Dec-20 A	ation & GW Breaking				
		Dwall Breaking / Trimming	0			6	23-Dec-20 A	31-Dec-20 A	Dwall Breaking / Trimming				
		Blinding concrete	0			1	02-Jan-21 A	02-Jan-21 A	Blinding concrete				
		Steel Fixing	0			4	04-Jan-21 A	07-Jan-21 A	Steel Fixing				
		Formworks Erection	0			2	07-Jan-21 A	08-Jan-21 A	Formworks Erection				
		Concrete	0			1	09-Jan-21 A	09-Jan-21 A	B Concrete				
		eam South	0	!	·	25	02-Jan-21 A	31-Jan-21 A					
	A113951	Dwall Breaking / Trimming	0			12	02-Jan-21 A	15-Jan-21 A	Dwall Breaking / Trimming				
	A113961	Hand Trimming & Blinding	0			3	16-Jan-21 A	19-Jan-21 A	Hand Trimming & Blinding				
		Steel Fixing	0			4	20-Jan-21 A	23-Jan-21 A	🗖 Steel Fixing				
	A113981	Formworks Erection	0			3	25-Jan-21 A	27-Jan-21 A	Formworks Erection				
Pad	ge 20 of 25	5 A Milestone Summary								Date	Revision C	hecked	Approved
	ta Date: 01	I-May-21 Planned Bar		D/201	8/04 T	run	k Road	T2 and			0V0 WYu		
		CriticalAdivity									0V1 WYu		1406.
		Actual Work			tor L	Jev	elopme	nts at S			1V0 SPa 1V1 SPa		WYu WYu
		Baseline Milestone			- -		—	_			1V1 SPa 1V2 SPa		WYu
Baseline Bar					ree Mo	onth	ns Rollir	ng Progi	r_{0} mmo (/) pr r_{1} () r_{1}		1V2 SPa		WYu
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on Start	0			0	24-Feb-21 A	201002111		11 & 2 Bulk Excavation Start		
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lion	0			7	30-Mar-21 A	12-Apr-21 A		Concrete Strut Constructio		
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Page 21 of 25 Data Date: 01-May-21

Vilestone

Summary

Actual Milestone
 Actual Work

alActivity

Baseline Milestone
 Baseline Bar

ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS



Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
17-Jul-20	01V2	SPa/LLo	WYu
09-Oct-20	01V3	SPa/LLo	WYu

Activity	ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021 January February March April May June July
									03 10 17 24 31 07 14 21 28 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25
		Tympanum Pour 1	0			12	10-Jun-21	24-Jun-21	Tympanum Pour 1
		Tympanum Pour 2	0			6	25-Jun-21	02-Jul-21	Tympanum Pour:2
		Tympanum Pour 3	0			10	03-Jul-21	14-Jul-21	Jympanum I
		Tympanum Pour 4	0			10	15-Jul-21	26-Jul-21	
		Tympanum Pour 5	0			10	27-Jul-21	06-Aug-21	
		IBM TUNNEL - WESTBOUND	315	23-Oct-20	15-Nov-21	210	01-Dec-20 A	18-Aug-21	
	Precast Fab		180	12-Apr-21	15-Nov-21	193	21-Dec-20 A	18-Aug-21	
		st Segments	180	12-Apr-21	15-Nov-21	193	21-Dec-20 A	18-Aug-21	
		Precast TBM Segment - 10%	36	12-Apr-21	25-May-21	20	21-Dec-20 A	15-Jan-21 A	Precast TBM Segment - 10%
		Precast TBM Segment - 20%	36	26-May-21	08-Jul-21	58	16-Jan-21 A	27-Mar-21 A	Precast TBM Seg
		Precast TBM Segment - 30%	36	09-Jul-21	19-Aug-21	43	29-Mar-21 A	24-May-21	
		Precast TBM Segment - 40%	36	20-Aug-21	02-Oct-21	36	25-May-21	07-Jul-21	
		Precast TBM Segment - 50%	36	04-Oct-21	15-Nov-21	36	08-Jul-21	18-Aug-21	
	Site Establis		256	23-Oct-20	03-Sep-21	204	01-Dec-20 A	11-Aug-21	
		ements Storage Yard	0			108	22-Mar-21 A	03-Aug-21	
	Segment `	Foundation civil works part 1	0			108 36	22-Mar-21 A 22-Mar-21 A	03-Aug-21 07-May-21	Foundation civil works part 1
		RC Beam & Rail Installation 50% part 1	0			30 12	08-May-21	22-May-21	RC Beam & Rail Installation 50% part 1
		RC Beam & Rail Installation 100% part 1	0			12	24-May-21	05-Jun-21	RC Beam & Rail/Instal/ation 100% part 1
		Gantry Crane Assembly part 1 50%	0			12	07-Jun-21	21-Jun-21	Gantry Crane Assembly part 1 5
		Gantry Crane Assembly part 1 100%	0			12	22-Jun-21	06-Jul-21	Gantry Crane Asse
		Foundation civil works part 2	0			12	07-Jul-21*	20-Jul-21	Foundation
		RC Beam & Rail Installation 50% part 2	0			12	21-Jul-21	03-Aug-21	
		ne Setup for TBMAssembly	66	13-Apr-21	02-Jul-21	54	03-May-21	07-Jul-21	▼ Ganfry Crane Setup fo
	A229020	Gantry Crane - Ground Beam Construction	24	13-Apr-21	11-May-21	24	03-May-21*	31-May-21	Gantry Grane - Ground Beam Construction
	A229030	Gantry Crane - Delivery & Assembly	36	12-May-21	24-Jun-21	24	01-Jun-21	29-Jun-21	Gantry Crane- Delivery 8
	A229040	Gantry Crane - Commissioning & Load Test	6	25-Jun-21	02-Jul-21	6	30-Jun-21	07-Jul-21	Gantry Crane - Co
	Slurry Trea	tment Plant	96	12-May-21	03-Sep-21	160	25-Jan-21 A	11-Aug-21	
	A6930	Slurry Treatment Plant - Civil works	36	12-May-21	24-Jun-21	82	18-Feb-21 A	31-May-21	Slurry Treatment Plant - Civil \
	A6940	Slurry Treatment Plant - Delivery & Assembly	24	10-Jun-21	09-Jul-21	24	17-May-21	15-Jun-21	Slurry Treatment
	A6945	Slurry Treatment Plant - Installation	48	10-Jul-21	03-Sep-21	48	16-Jun-21	11-Aug-21	
	Desanding	y Area	0			48	25-Jan-21 A	24-Mar-21 A	
	A2294291	Trench	0			10	25-Jan-21 A	04-Feb-21 A	Trench
	A2294291	Slab	0			10	18-Feb-21 A	01-Mar-21 A	Slab
	A2294291	Desanding Area 1 Wall 25%	0			17	02-Mar-21 A	20-Mar-21 A	Desanding Area 1 Wall 25%
		Desanding Area 1 Wall 50%	0			17	02-Mar-21 A	20-Mar-21 A	Desanding Area 1 Wall 50%
		Desanding Area 1 Wall 75%	0			15	08-Mar-21 A	24-Mar-21 A	Desanding Area 1 Wall 75%
		Desanding Area 1 Wall 100%	0			15	08-Mar-21 A	24-Mar-21 A	Desanding Area 1 Wall 100%
		atment Plant	0			37	22-Mar-21 A	08-May-21	
	A2294291		0			10	22-Mar-21 A	07-Apr-21 A	Slab
	A2294292	Tank Assembly part 1	0			6 22	03-May-21*	08-May-21	Tank Assembly part 1
	A2294292		0			10	03-May-21 03-May-21	28-May-21 13-May-21	
		Tank Assembly part 1	0			10	14-May-21	28-May-21	Tank Assembly part 1
		s Building Side	0			119	06-Mar-21 A	31-Jul-21	
		Trench 50%	0			5	06-Mar-21 A	11-Mar-21 A	Trench 50%
		Trench 100%	0			3	12-Mar-21 A	15-Mar-21 A	Trench 100%
	A2294292		0			4	13-Apr-21 A	17-Apr-21 A	Slab
	A2294296		0			19	19-Apr-21 A	11-May-21	Wall FP 6
	A2294296		0			10	12-May-21	24-May-21	Wall FP 5
Page 22 of 25 Data Date: 01-May-21									South Apron BOUYGUES TRAVAUX PUBLICS BOUYGUES TRAVAUX PUBLICS 10-Dec-19 00V1 W1u 22-Feb-20 01V0 SPa/LLo WYu 17-Jul-20 01V2 SPa/LLo WYu 17-Jul-20 01V2 SPa/LLo WYu 17-Jul-20 01V2 SPa/LLo WYu 17-Jul-20 10-Dec-19
			gramme (Apr-21)						

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021
								January February March April May June July 03 10 17 24 31 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25
A2294302	Wall FP 4	0			10	25-May-21	04-Jun-21	Wall FP 4
A2294302	Wall FP 3	0			10	05-Jun-21	17-Jun-21	Wall FP 3
A2294302	Wall FP 2	0			10	18-Jun-21	29-Jun-21	Wall FP 2
A2294310	Wall FP 1	0			10	30-Jun-21	12-Jul-21	Wall FP 1
A2294310	Stock File Wall	0			12	13-Jul-21	26-Jul-21	s s
A2294310	Acide Wall	0			5	27-Jul-21	31-Jul-21	
Filter Pres	s Sea Side	0			143	05-Feb-21 A	03-Aug-21	
A2294292	Trench 50%	0			9	05-Feb-21 A	18-Feb-21 A	Trench 50%
A2294292!	Trench 100%	0			6	19-Feb-21 A	25-Feb-21 A	Trench 100%
A2294292	Slab	0			10	14-May-21	26-May-21	Şlab
A2294296	Wall FP 4	0			10	27-May-21	07-Jun-21	Wall FP 4
A2294296!	Wall FP 3	0			10	08-Jun-21	19-Jun-21	Wall FP 3
A2294296		0			10	21-Jun-21	02-Jul-21	Wall FP 2
A2294296	Wall FP 1	0			10	03-Jul-21	14-Jul-21	Wall FP 1
A2294296	Stock File Wall	0			12	15-Jul-21	28-Jul-21	
A2294296'	Acide Wall	0			5	29-Jul-21	03-Aug-21	
TANK 2 A	ea	0			8	05-Apr-21 A	16-Apr-21 A	
A2294292.	Slab	0			8	05-Apr-21 A	16-Apr-21 A	Slab
External T		0			56	16-Mar-21 A	26-May-21	
A2294297		0			12	16-Mar-21 A	29-Mar-21 A	Trench 30%
A2294297	Trench 60%	0			10	03-May-21	13-May-21	Trench 60%
A2294297:	Trench 100%	0			10	14-May-21	26-May-21	Trench 100%
Mortar Plan	nt	72	12-May-21	06-Aug-21	162	01-Dec-20 A	22-Jun-21	
A2293880	Mortar Plant - Installation	48	12-May-21	09-Jul-21	59	03-Mar-21 A	15-May-21	Mortar Plant - In:
A2293890	Mortar Plant - Commissioning	24	10-Jul-21	06-Aug-21	24	17-May-21	15-Jun-21	
Mortar Pla	nt	0			162	01-Dec-20 A	22-Jun-21	
	batchers & Conveyors Civil works	0			9	01-Dec-20 A	10-Dec-20 A	eyors Civil works
	Mixer & Silos Assembly 33%	0			31	07-Jan-21 A	15-Feb-21 A	Mixer & Silos Assembly 33%
	Mixer & Silos Assembly 66%	0			26	16-Feb-21 A	17-Mar-21 A	IVIXer & SIIOS Assembly 66%
	Mixer & Silos Assembly 100%	0			40	18-Mar-21 A	08-May-21	Mixer & Silos Assembly 100%
	Secatol & Aggregates Civil works 50%	0			9	10-May-21	20-May-21	Secatol & Aggregates Civil works 50%
	Batchers & Conveyors Assembly 33%	0			12	10-May-21	24-May-21	Batchers & Conveyors Assembly 33%
	Secatol & Aggregates Civil works 100%	0			9	21-May-21	31-May-21	Secatol & Aggregates Civil; works 100%
	Batchers & Conveyors Assembly 66%	0			12	25-May-21	07-Jun-21	Batchers & Conveyors Assembly 66%
	Batchers & Conveyors Assembly 100%	0			12	08-Jun-21	22-Jun-21	Batchers & Conveyors Assembl
	Medical Lock	144	01-Dec-20	31-May-21	165	01-Dec-20 A	25-Jun-21	DG Store / Medical Lock
	Hyperbaric Intervention - LD consultation & Approval	144	01-Dec-20	31-May-21	165	01-Dec-20 A	25-Jun-21	Hyperbaric Intervention - LD
	int at Portion P	24	23-Oct-20	20-Nov-20	23	22-Dec-20 A	20-Jan-21 A	
	Barging Point - Commissioning	24	23-Oct-20	20-Nov-20	20	28-Dec-20 A	20-Jan-21 A	Barging Point - Commissioning
	pint Spoil Ramp Instalation	0			23	22-Dec-20 A	20-Jan-21 A	
	Barging Point - Cover Installation	0			3	22-Dec-20 A	26-Dec-20 A	rging Point - Cover Installation
	Barging Point - Commissioning	0			20	28-Dec-20 A	20-Jan-21 A	Barging Point - Commissioning
TBMAssem	-	24	15-Jun-21	13-Jul-21	33	26-Jun-21	04-Aug-21	TBM Assemt
	Installation of Seal Rings / Launching Seals for WB TBM Launching	24	15-Jun-21	13-Jul-21	24	26-Jun-21	24-Jul-21	
S1281 TBN	-	0			25	07-Jul-21	04-Aug-21	
TBM Shiel		0			20	07-Jul-21	29-Jul-21	
	Shield Segment Assembly	0			14	07-Jul-21	20-Jul-21	Shield
	TBM Delivery 1st Batch	0			0	07-Jul-21*	00 1 1 01	◆ TBM Delivery, 1st E
	Shield Bolts & Cutterhead connection	0			9	21-Jul-21	29-Jul-21	
Tail Skin &	Erector	0			6	30-Jul-21	04-Aug-21	
Page 23 of 25	Summary							Date Revision Checked Approved
Data Date: 01	-May-21 Planned Bar	FI	ר/201	8/04 T	run	k Road	T2 and	Infrastructure Works
	Critical Activity					uu		18-Dec-19 00V1 WYu

riticalActivity Actual Milestone ctual Work

Baseline Bar

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ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS

Three Months Rolling Programme (Apr-21)

WYu 18-Dec-19 00V1 22-Feb-20 01V0 SPa/LLo WYu 09-Apr-20 01V1 SPa/LLo WYu 01V2 SPa/LLo WYu 17-Jul-20 09-Oct-20 01V3 SPa/LLo WYu

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2021
,								January February March April May June July 03 10 17 24 31 07 14 21 28 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20 27 04 11 18 25
A165	Erector + Tail Skin Lifting	0			6	30-Jul-21	04-Aug-21	
SUB-SEA	TUNNEL CROSS PASSAGE (CP7-CP27a/b)	72	05-May-21	30-Jul-21	144	01-Feb-21 A	30-Jul-21	
	sign / Fabrication / FAT / Delivery	72	05-May-21	30-Jul-21	144	01-Feb-21 A	30-Jul-21	
A229424430		72	05-May-21	30-Jul-21	144	01-Feb-21 A	30-Jul-21	
	LING ROAD WORKS	84	23-Jul-20	31-Oct-20	216	01-Dec-20 A	25-Aug-21	
Site Establi		72	29-Jul-20	22-Oct-20	72	01-Jun-21	25-Aug-21	
Barging Po		72	29-Jul-20	22-Oct-20	72	01-Jun-21	25-Aug-21	<u><u></u></u>
	Parging Point - Foundation	36	29-Jul-20	08-Sep-20	36	01-Jun-21*	14-Jul-21	Barging Poir
	Parging Point - Spoil Ramp Installation	36	09-Sep-20	22-Oct-20	36	15-Jul-21	25-Aug-21	
	eet / Cha Kwo Ling Road Junction	84	23-Jul-20	31-Oct-20	144	01-Dec-20 A	31-May-21	<u><u></u></u>
	WYS/CKLR Demolition of Island, Laying of Gully Pipes & Street Light Ducting	21	23-Jul-20	15-Aug-20	40	05-Dec-20 A	23-Jan-21 A	WY\$/CKLR Demolition of Island, Laying of Gully Pipes & Street Light Ducting
	WYS/CKLR Construction of New Road Crossing	18	17-Aug-20	05-Sep-20	16	25-Jan-21 A	11-Feb-21 A	WYS/CKLR Construction of New Road Crossing
	WYS/CKLR Setting of Oil Drum & Laying of Ducting for ATC	15	07-Sep-20	23-Sep-20	23	12-Feb-21 A	13-Mar-21 A	WY\$/CKLR Setting of Oil Drum & Laving of Ducting for ATC
	WYS/CKLR Removal of Planter, Set back road Kerb and relocation of gully	18	24-Sep-20	16-Oct-20	23	22-Feb-21 A	20-Mar-21 A	WY\$/CKLR Removal of Planter, Set back road Kerb and relocation of gully
	WYS/CKLR Pavement works, Street Furniture & Road Lighting	12	17-Oct-20	31-Oct-20	24	22-Nar-21 A	17-Apr-21 A	WY \$/CKUR Pavement works, Street Furniture & Road Lighting
	Section 8E Completion	0	17-001-20	31-Oct-20	20		17-Apr-21 A	Section 8E Completion
	reet / Cha Kwo Ling Road Junction	0		31-UCI-20	144	01-Dec-20 A	31-May-21	
A3130	TTA Stage 4	0			0	01-Dec-20 A	10-Dec-20 A	······································
A3125	TTA Stage 3-2 part 1	0			10	09-Dec-20 A	19-Dec-20 A	e 3-2 part 1
A31251	TTA Stage 3-2 part 2	0			33	21-Dec-20 A	30-Jan-21 A	TTA Stage 3-2 part 2
A31201	TTA Stage 7 part 1	0			10	01-Feb-21 A	13-Feb-21 A	TTA Stage 7 part 1
A31601	TTA Stage 7 part 2	0			27	15-Feb-21 A	18-Mar-21 A	TTA Stage 7 part 2
		-			21			
A3181	TTA Stage 10	0			0	17-Feb-21 A 26-Feb-21 A	25-Feb-21 A	
	TTA Stage 11				40 3		17-Apr-21 A	
A3180	TTA Stage 9	0			3	15-Mar-21 A	17-Mar-21 A	TTA Stage 9
A3170	TTA Stage 8 part 1	0			0	19-Mar-21 A	25-Mar-21 A	TTÅ Stage 8 part 1
A31701	TTA Stage 8 part 2	0			17	25-Mar-21 A	17-Apr-21 A	TTA Stage 8 part 2
		0	05.11.01		35	19-Apr-21 A	31-May-21	Reinstatement
	REAK TUNNEL [D&BR]	95	05-Mar-21	02-Jul-21	95	08-Jun-21	29-Sep-21	V DRILL & BREAK TUN
Tunnel Exca		95	05-Mar-21	02-Jul-21	95	08-Jun-21	29-Sep-21	V Tunnel Excavation
A12100	EB - D&Br Tunnel - CH9057-9040 Type D - Excavation	34	05-Mar-21	17-Apr-21	34	08-Jun-21	19-Jul-21	
A12180	Probe hole at CH9040	1	19-Apr-21	19-Apr-21	1	20-Jul-21	20-Jul-21	
A12190	EB - D&Br Tunnel - CH9040-9010 Type D - Excavation	60	20-Apr-21	02-Jul-21	60	21-Jul-21	29-Sep-21	
DRILL & B	LAST TUNNEL [D&BL]	159	17-Nov-20	03-Jun-21	222	01-Dec-20 A	01-Sep-21	▼ DRILL & BLAST TUNNEL [D&BL]
Tunnel Exca	avation	159	17-Nov-20	03-Jun-21	222	01-Dec-20 A	01-Sep-21	▼ Tunnel Excavation
Eastbound		159	17-Nov-20	03-Jun-21	222	01-Dec-20 A	01-Sep-21	▼ Eastbound
Full Face	Drill & Blast	159	17-Nov-20	03-Jun-21	222	01-Dec-20 A	01-Sep-21	▼ Full Face Drill & Blast
A1236	Probe hole at CH9190	1	17-Nov-20	17-Nov-20	1	07-Dec-20 A	07-Dec-20 A	90
A1240	EB - D&BI Tunnel - CH9190-9160 Type A - Excavation	13	18-Nov-20	02-Dec-20	43	08-Dec-20 A	29-Jan-21 A	EB - D&BI Tunnel - CH9190-9160 Type A - Excavation
A1250	Probe hole at CH9160	1	03-Dec-20	03-Dec-20	1	30-Jan-21 A	30-Jan-21 A	Probe hole at CH 9160
A1260	EB - D&BI Tunnel - CH9160-9130 Type A&B&C - Excavation	18	04-Dec-20	24-Dec-20	32	01-Feb-21 A	12-Mar-21 A	EB - D&BI Tunnel - CH9160-9130 Type A&B&C - Excavation
A1270	Probe hole at CH9130	1	28-Dec-20	28-Dec-20	1	13-Mar-21 A	13-Mar-21 A	Probe hole at CH9130
A1280	EB - D&BI Tunnel - CH9130-9100 Type C - Excavation	20	29-Dec-20	21-Jan-21	27	15-Mar-21 A	19-Apr-21 A	EB - D&BI Tunnel - CH9130-9100 Type C - Excavation
A1290	Probe hole at CH9100	1	22-Jan-21	22-Jan-21	1	20-Apr-21 A	20-Apr-21 A	Probe hole at CH 9100
A1295	EB - D&BI Tunnel - CH9100-9070 Type C&D - Excavation	20	23-Jan-21	18-Feb-21	27	21-Apr-21 A	24-May-21	EB D&BI Tunnel - CH9100-9070 Type C&D - Excavation
A1296	Probe hole at CH9070	1	19-Feb-21	19-Feb-21	1	25-May-21	25-May-21	Probe hole at CH9070
A1300	EB - D&BI Tunnel - CH9070-9057 Type D - Excavation	11	20-Feb-21	04-Mar-21	11	26-May-21	07-Jun-21	EB - D&BI Tunnel - CH9070-9057 Type D - E
A1330	EB - D&BI Tunnel - CH9150-9090 Type B/C - Enlargement	38	05-Mar-21	22-Apr-21	38	08-Jun-21	23-Jul-21	EB-
A1331	Probe hole at Branch Tunnel S01	1	23-Apr-21	23-Apr-21	1	24-Jul-21	24-Jul-21	۹ B Pro
Page 24 of 2	5 • Milestone V Summary							Date Revision Checked Approved

Page 24 of 25 Data Date: 01-May-21

Ailestone V

Actual Work

Baseline MilestoneBaseline Bar

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Milestone

ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS

Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
17-Jul-20	01V2	SPa/LLo	WYu
09-Oct-20	01V3	SPa/LLo	WYu

Activity ID	Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish				-	202							-		
								January February 03 10 17 24 31 07 14	March 28 07 14 21	March April May 14 21 28 04 11 18 25 02 09 16 23 3				30	June July 0 0 6 13 20 27 04 11 18 1			25			
A1340	EB - D&BI Tunnel - Branch Tunnel S01	33	24-Apr-21	03-Jun-21	33	26-Jul-21	01-Sep-21				20 04			02 07	10 23		00 13	20 2			
EB - D&	I Tunnel - CH9220-9190 Type A - Excavation	0			6	01-Dec-20 A	07-Dec-20 A											-+			
	EB - D&BI Tunnel - CH9200-9190 Type A - Excavation 100%	0			5	01-Dec-20 A	05-Dec-20 A	H9200-9190 Type A - Excavation 100%		iiiiii											
	Probe hole at CH9190	0			1	07-Dec-20 A	07-Dec-20 A	90								i					L
	I Tunnel - CH9190-9160 Type A - Excavation	0			42	08-Dec-20 A	28-Jan-21 A										 				
	EB - D&BI Tunnel - CH9190-9175 Type A - Excavation 50%	0			15	08-Dec-20 A	26-Dec-20 A	+ D&BI: Tunnel - CH9190-9175 Type A - I	Excavation	n 50%											
	EB - D&BI Tunnel - CH9175-9160 Type A - Excavation 100%	0			26	28-Dec-20 A	27-Jan-21 A			75-9160 Type A - Excava	tion 100%										
	Probe hole at CH9160	0			1	28-Jan-21 A	28-Jan-21 A	Probe hole at C													
	I Tunnel - CH9160-9130 Type A&B&C - Excavation	0			150	20-Jan-21 A	04-Aug-21														
	EB - D&BI Tunnel - CH9160-9145 Type A&B&C - Excavation	0			150	29-Jan-21 A 29-Jan-21 A	04-Aug-21 05-Feb-21 A	FB-D&	BITunnel	- CH9160-9145 Type A8	B&C - Fx	cavation	50%								
		0			22	06-Feb-21 A	06-Mar-21 A							Evolutio	on 10.0%						
	EB - D&BI Tunnel - CH9145-9135 Type A&B&C - Excavation 100%											!									
	EB - D&BI Tunnel - CH9135-9115 Type C	0			20	08-Mar-21 A	30-Mar-21 A							85-911¦5 Tyr Bl Tunnel -							
	EB - D&BI Tunnel - CH9119-9100 Type C	0			13	31-Mar-21 A	19-Apr-21 A						EB-D&								I
	EB - D&BI Tunnel - CH9103-9090 Type C	0			16	20-Apr-21 A	08-May-21								B D&BI Tun			-1			
	EB - D&BI Tunnel - CH9103-9075 Type C	0			12	10-May-21	24-May-21									EB D&E			075 Type C		
	EB - D&BI Tunnel - CH9103-9060 Type C	0			12	25-May-21	07-Jun-21											&BI Tunne	I - ¢H910¦3-9	060 Type	C
A229430	EB - D&BI Tunnel - CH9135-9115 Type C - Bench Enlargement 25%	0			12	08-Jun-21	22-Jun-21												D&BI Tunne) - CH911	35-91
A229430	EB - D&BI Tunnel - CH9135-9115 Type C - Bench Enlargement 50%	0			12	23-Jun-21	07-Jul-21												EB	- D&BI Tı	
A229431	EB - D&BI Tunnel - CH9135-9115 Type C - Bench Enlargement 75%	0			12	08-Jul-21	21-Jul-21													—	EB - C
A229431	EB - D&BI Tunnel - CH9135-9115 Type C - Bench Enlargement 100%	0			12	22-Jul-21	04-Aug-21														
Westbour	d	78	07-Jan-21	15-Apr-21	176	29-Dec-20 A	04-Aug-21	v		<u>-</u> <u>-</u>		-	Westbound								
Full Face	Drill & Break	0			157	29-Dec-20 A	13-Jul-21														
	Drill & Break	0			157	29-Dec-20 A	13-Jul-21	· · · · · · · · · · · · · · · · · · ·													
	WB - D&Br CH9248-9247 Type A - Excavation	0			28	29-Dec-20 A	30-Jan-21 A	WB - D&Br C	H9248-92	47 Type A - Excavation											
	WB - D&Br CH9198-9208 Type A - Excavation	0			25	27-Feb-21 A	27-Mar-21 A	-		· · · · · · · · · · · · · · · · · · ·	WB - D8	Br CH9	198-9208 T	pe A - Exca	avation						
	WB - D&Br CH9188-9178 Type A - Excavation	0			23	29-Mar-21 A	28-Apr-21 A							WB - D&Br (CH9188-91	78 Type	A - Excava	ation			
	WB - D&Br CH9178-9168 Type A - Excavation	0			13	29-Apr-21 A	14-May-21								WB - D&				cavation		
	WB - D&Br CH9168-9158 Type A - Excavation	0			12	15-May-21	29-May-21												B Type A - Ex	cavation	
	WB - D&Br CH9158-9148 Type A - Excavation	0			12	31-May-21	12-Jun-21												CH9158-9148		
		0			12	-												- +	WB - D&Br		
	WB - D&Br CH9148-9138 Type A - Excavation	0			14	15-Jun-21	28-Jun-21											-+			
	WB - D&Br CH9148-9138 Type A - Excavation	0			12	15-Jun-21	28-Jun-21												WB - D&Br		
	WB - D&Br CH9208-9238 Type A - Excavation	0			12	29-Jun-21	13-Jul-21													WB - D	&BI C
	Drill & Blast	78	07-Jan-21	15-Apr-21	78	03-May-21	04-Aug-21	• • • • • • • • • • • • • • • • • • •				V	Full Face D								
A1180	Probe hole at CH 9200	1	07-Jan-21	07-Jan-21	1	03-May-21	03-May-21		+						nole at CH92			-+			
A1190	WB - D&BI Tunnel - CH9200-9170 Type A - Excavation	23	08-Jan-21		23	04-May-21	31-May-21		+							W	3 - D&BI T	unnel - CH	9200-9170	ype A - F	xcava
A1200	Probe hole at CH9170	1	04-Feb-21	04-Feb-21	1	01-Jun-21	01-Jun-21									Pi	robe hole a	at¦CH9170			+
A1210	WB - D&BI Tunnel - CH9170-9140 Type A - Excavation	23	05-Feb-21	06-Mar-21	23	02-Jun-21	29-Jun-21										1		WB - D&B	Tunnel -	CH91
A12111	WB - D&BI Tunnel - Backiflling up to CH9140	30	08-Mar-21	15-Apr-21	30	30-Jun-21	04-Aug-21										1				—
Cross Pas	sage	31	08-Mar-21	16-Apr-21	136	19-Feb-21 A	05-Aug-21		+ 		1		Cross Pass	age			 ! !	- +			
CP32		31	08-Mar-21	16-Apr-21	136	19-Feb-21 A	05-Aug-21		+				CP32					- +			[
A1440	CP32 - D&BI Excavation 13.5m	7	08-Mar-21	15-Mar-21	7	30-Jun-21	08-Jul-21											-+	CF	P32 - D&E	3I Exc
A1445	CP32 - Blast Door	24	16-Mar-21	16-Apr-21	24	09-Jul-21	05-Aug-21	1	+												·····
CP32		0			7	19-Feb-21 A	26-Feb-21 A	 													
	CP32 - D&BI Excavation 13.5m	0			7	19-Feb-21 A	26-Feb-21 A	 	·	CP32 - D&BI Excavation	¦ 13.5m										
		0			/	17100217	20100217								1		1				<u> </u>

Page 25 of 25 Data Date: 01-May-21 Critical Activity

 Actual Milestone

Actual Work Baseline Milestone Baseline Bar

Planned Bar

ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS

Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
17-Jul-20	01V2	SPa/LLo	WYu
09-Oct-20	01V3	SPa/LLo	WYu

APPENDIX O WASTE GENERATED IN THE REPORTING MONTH



Name of Department: CEDD Monthly Summary Waste Flow Table for 2021 (KT) Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Contract No. ED/2018/04

	Actu	ual Quantitie	s of Inert C&	D Materials Ge	Actual Quantities of C&D Wastes Generated Monthly							
Month	a.Total Quantity Generated (a=c+d+e)	d Broken Cont		d. Reused in Other Projects	e. Disposed as Public Fill		g. Metals	h. Paper / Cardboard Packaging		j. Chemical Waste	general refuse	
(in '000m ³) (in '000m		(in '000m ³)	(in '000m ³) (in '000m ³)		(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)		
January	17.059	0.000	0.000	16.698	0.361	0.000	14.800	0.200	0.000	0.200	0.125	
February	17.925	0.000	0.000	17.814	0.113	0.000	12.500	0.000	0.000	0.000	0.082	
March	15.171	0.000	0.000	15.078	0.093	0.000	0.000	0.000	0.000	0.000	0.113	
April	0.065	0.000	0.000	0.000	0.065	0.000	273.540	0.000	0.000	0.000	0.094	
May												
June												
Sub-total	50.220	0.000	0.000	49.590	0.632	0.000	300.840	0.200	0.000	0.200	0.414	
July												
August												
September												
October												
November												
December												
Total	50.220	0.000	0.000	49.590	0.632	0.000	300.840	0.200	0.000	0.200	0.414	

Monthly Summary Waste Flow Table

Notes:

(1)The performance targets are given in ER Appendix 8I Clause 14 and the EM&A Manual(s).

(2)The waste flow table shall also include C&D materials to be imported for use at the Site.

(3)Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

(4) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m3. (ER Part 8 Clause 8.8.5 (d) (ii) refers).