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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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.

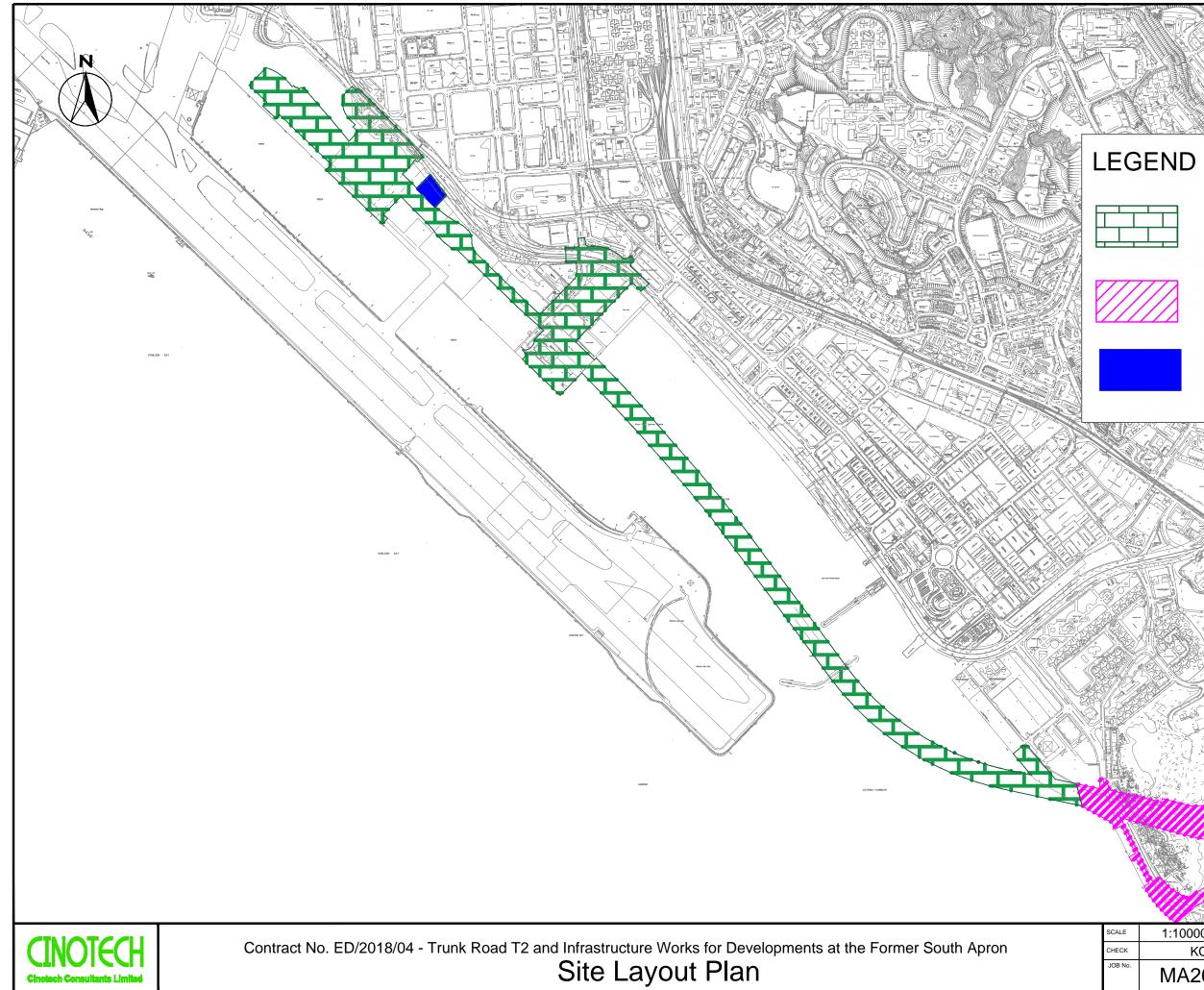
Recommendations

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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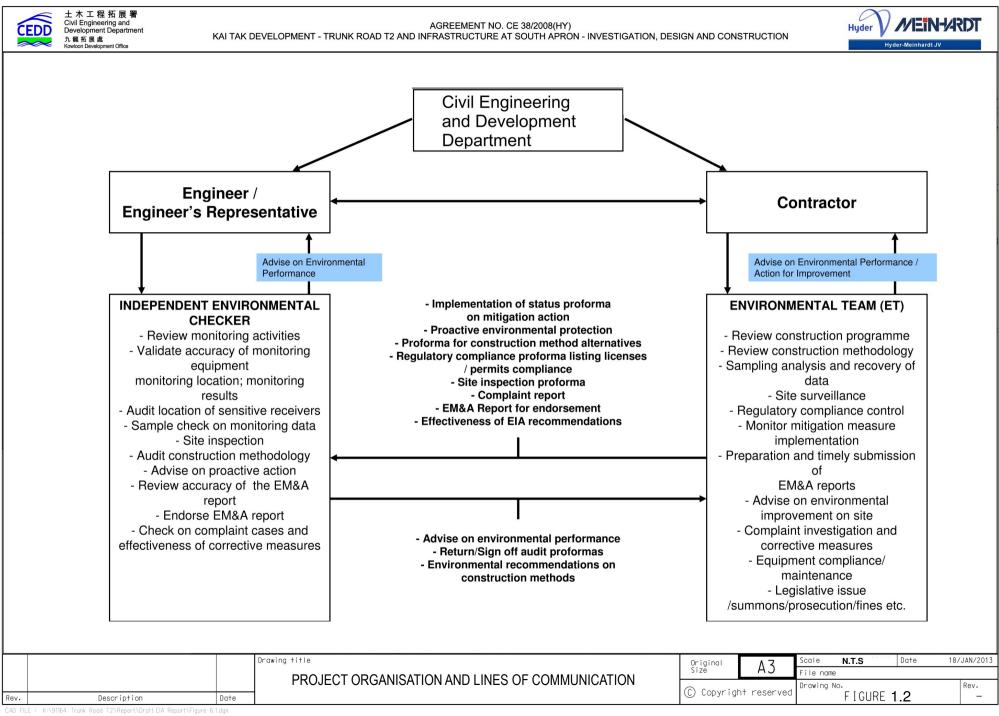
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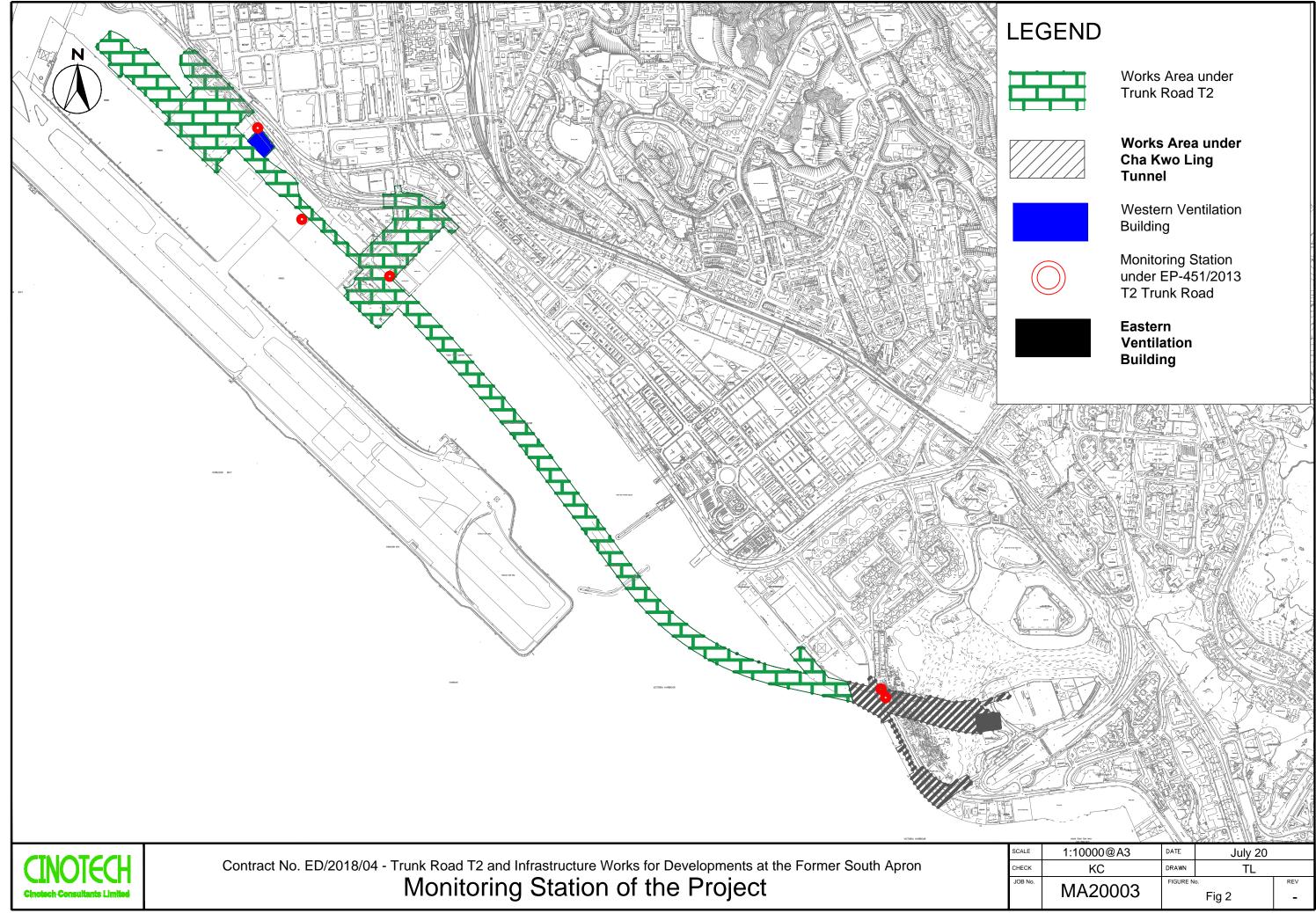
Works Area under Trunk Road T2

Works Area under Cha Kwo Ling Tunnel

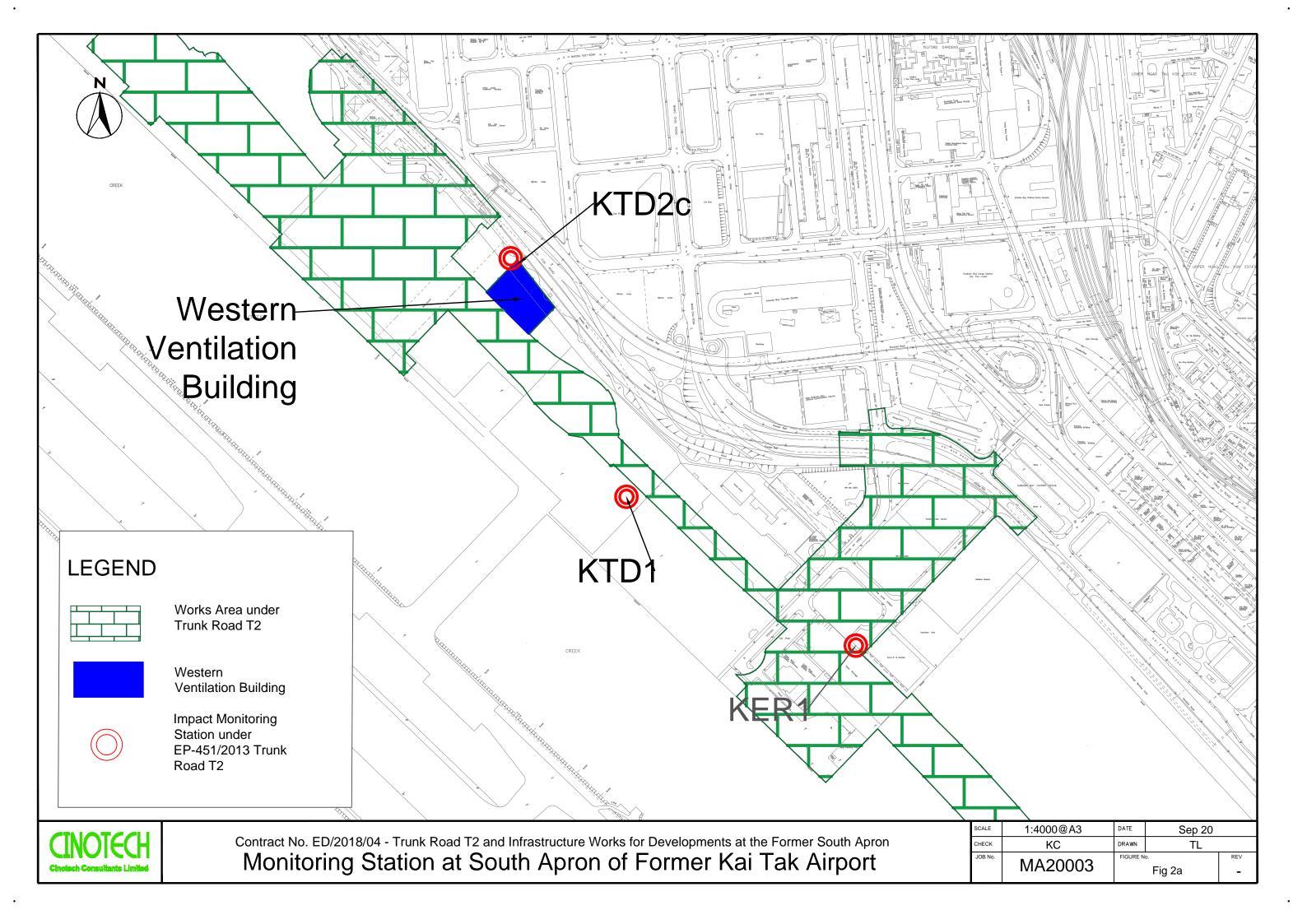
Ventilation Building

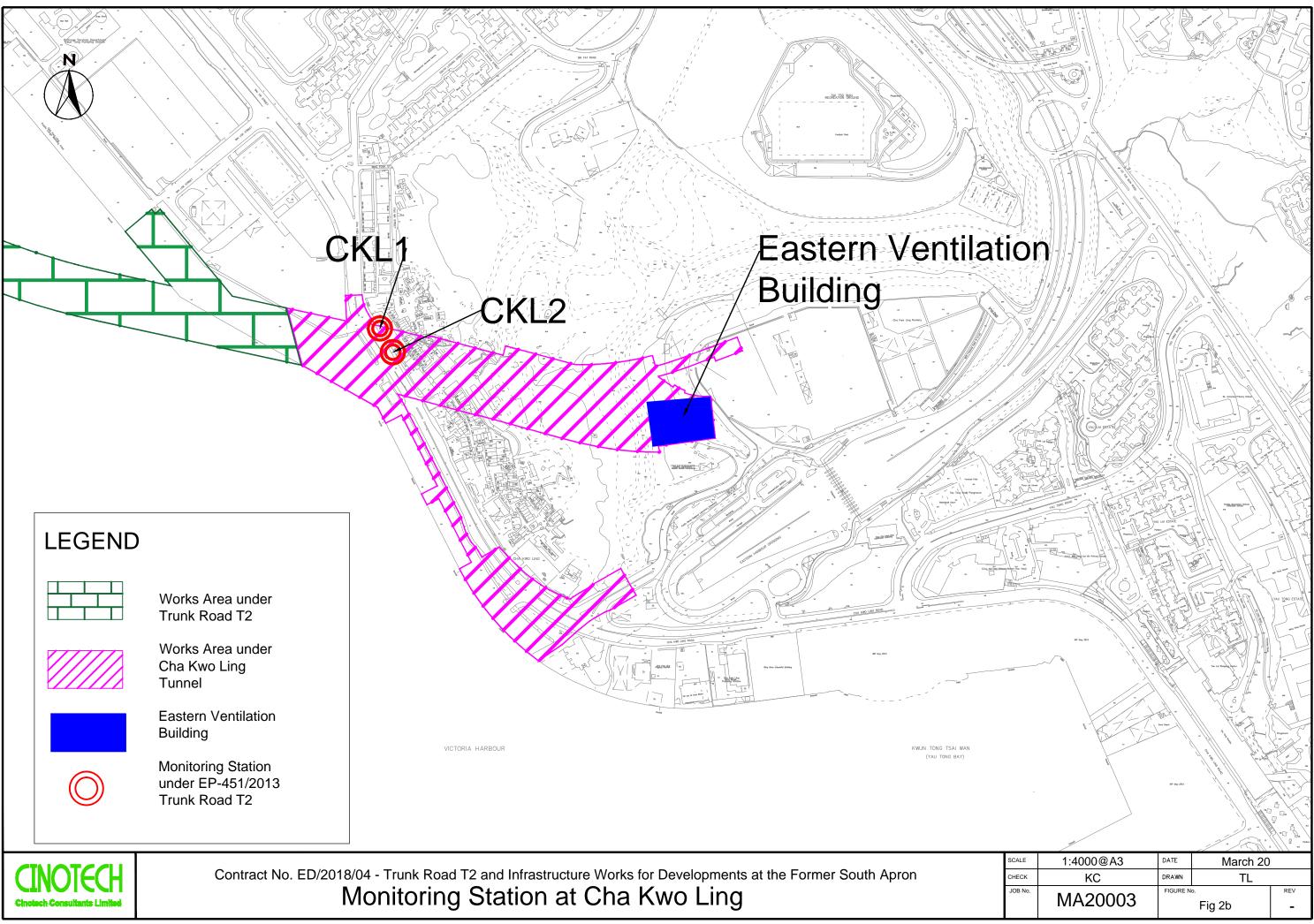
| | Constant and Constant of Const | | | |
|-------------------|--|------------------------|-------------|-----|
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| LE CK 3 No. | 1:10000@A3 | DATE | TL | REV |











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 | | | | | |
| | | | | | | |
| | | | | | | |
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| | 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)

TT 1

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 | |

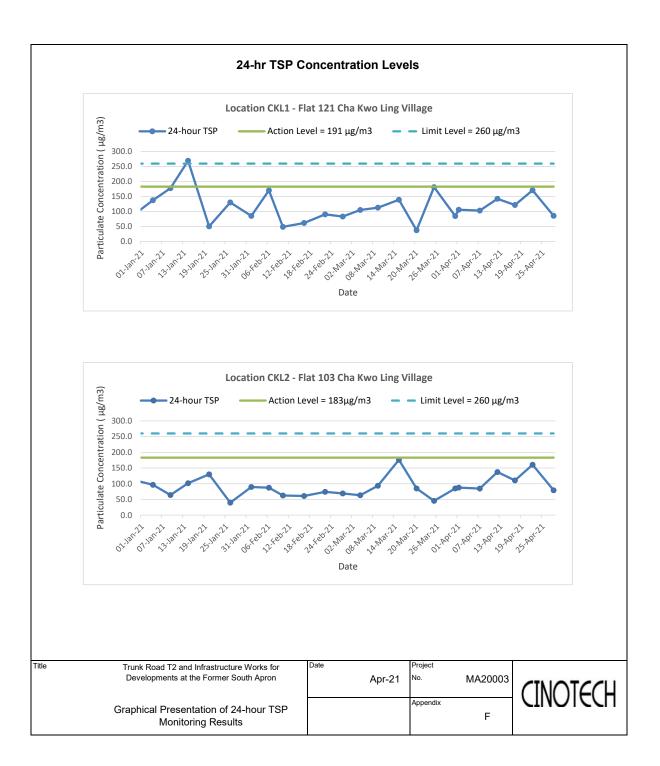
| | Apri | 1 2021 | |
|----------------------------|----------------------|----------------|-----------|
| Wind Speed and Directions | | | |
| Date | Time | Wind Speed m-s | Direction |
| 24 Apr 2021 | 8:00 PM | ENE | 0.1 |
| 24 Apr 2021 | 9:00 PM | ENE | 0.1 |
| 24 Apr 2021 | 10:00 PM | E | 0.1 |
| 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 |

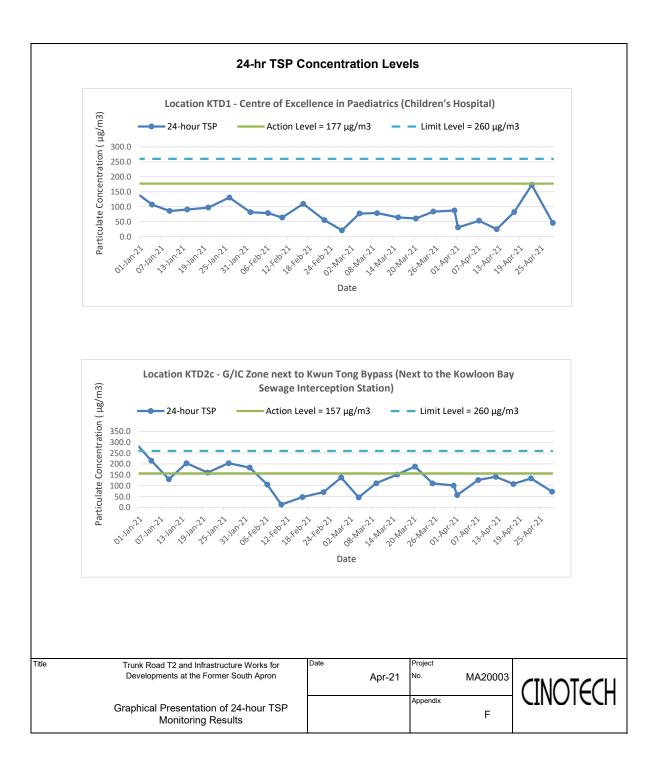
| | Apri | 1 2021 | |
|----------------------------|----------------------|----------------|-----------|
| Wind Speed and Directions | | | |
| Date | Time | Wind Speed m-s | Direction |
| 26 Apr 2021 | 4:00 PM | ESE | 0.2 |
| 26 Apr 2021 | 5:00 PM | ENE | 0.1 |
| 26 Apr 2021 | 6:00 PM | ENE | 0.1 |
| 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 |

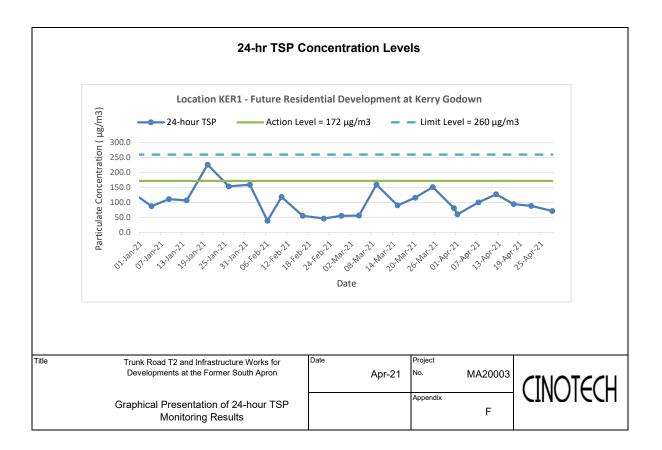
| | April | 2021 | | |
|----------------------------|----------------------|----------------|-----------|--|
| Wind Speed and Directions | | | | |
| Date | Time | Wind Speed m-s | Direction | |
| 28 Apr 2021 | 12:00 PM | SE | 0.6 | |
| 28 Apr 2021 | 1:00 PM | S | 0.1 | |
| 28 Apr 2021 | 2:00 PM | SSE | 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

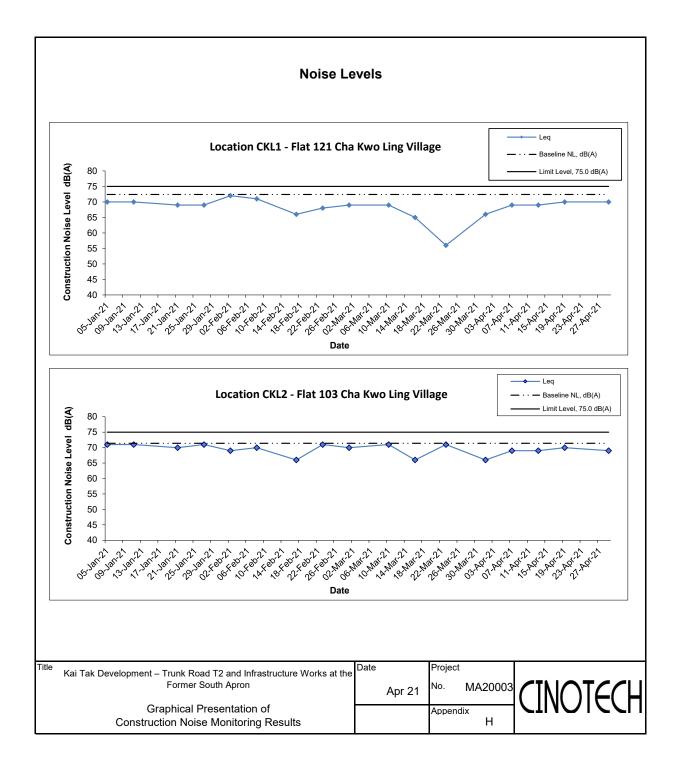
| (0700-1900 hrs on Normal Weekdays) | | | | | | | | |
|--|-------|----------|-----------------------|-----------------|-------|-----------------|-------------------------------|--|
| Location KTD1 - Centre of Excellence in Paediatrics (Rooftop of Children's Hospital) | | | | | | | | |
| | | | Unit: 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 | |

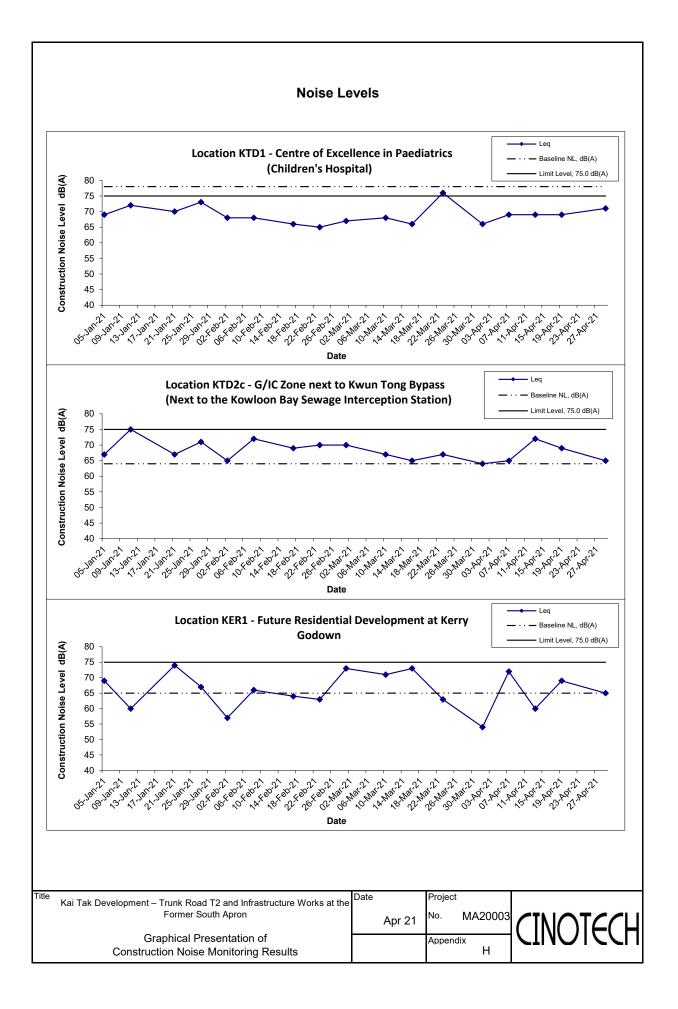
(0700-1900 hrs on Normal Weekdays)

| 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 |
|--------------|---|---|-----------------------------|------------------------------------|-------------------------------------|-----------------------|---|-----|--------|
| | | | | | | D | C | 0 | |
| 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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| | | | | | | D | С | 0 | |
| | 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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| | | | | | | D | С | 0 | |
| \$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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| | | | | | | D | С | 0 | |
| | 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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| | | | | | | D | С | 0 | |
| 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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| | | | | | | D | С | 0 | |
| \$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 | |
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| | | | | | | 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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| | | | | | | D | С | 0 | | | |
| \$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 |
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| | | | | | | 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 |
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| 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 | |
| Seawall checkings for temporary cases (Loading / Unloading) 0 08 Jul 20 0 12 Jan 21 A 12 Jan 21 A B17270 DDA.'SD Consent fite Construction 0 08 Jul 20 0 12 Jan 21 A DEPRESSED ROAD (DPR) 153 29-Jul 20 43 17 Dec 20A 29-Jul 20 43 17 Dec 20A DDADRR - Horizontal Element + Pump Test + DCRA 0 29-Jul 20 29-Jul 20 43 17 Dec 20A 50- 100- 41- 100- 10- | |
| B1720 DDA-S0 Consent for Construction 0 08-Jul 20 0 12-Jan 21 A 0 DOA-S0 Consent for Construction DPACPRESSED ROAD [DPR] 163 29-Jul 20 20-Jul 20 20-Jul 20 20-Jul 20 20-Jul 20 < | |
| DEPRESED ROAD [DPR] 163 29-Jul/20 16-Be2/14 38-Jul/21 38-Jul/21 DDAOPR -Hordcraftal Element + PUmp Test + DCRA 0 29-Jul/20 43 17-Dec/20A 49-fub/21A 54 B2596331 DDA. 4th Review by SO 0 - 64 167-Dec/20A 99-fub/21A 54 B15960 DDA. 4th Review by SO 0 - 54 18 Dec/20A 99-fub/21A 54 - - 54 - - 54 - - 54 - - 54 - - - 54 - - - 54 - - - 54 - - - 54 - - 54 - | |
| DDADRR - Horizontal Element + Pump Test + DCRA 0 29-Jul-20 43 17-Dec-20A 09-Feb-21A 17-Dec-20A 50- B2596361 DAA - 4th Review by SO 0 6 54 18-Dec-20A 09-Feb-21A 00- | |
| B2540.31 DDA - 4th Sub 0 1 0 17-Dec 20A Sub DDA - 4th Review by SO 0 | |
| B25963d DDA - 4th Review by SO O I So So <th< td=""><td></td></th<> | |
| 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 - | |
| DDA DPR Permanent Structure 30 04-Nov-20 07 11-Dec-20A 15-Agr-21A Permit Structure 1 <th1< th=""> 1 <th1< td=""><td></td></th1<></th1<> | |
| B15820 DDA - 2rd Sub 0 0 0 11-Dec.20A 11-Dec.20A B15830 DDA - 2rd Review by SO 35 05-Nov-20 09-Dec.20 20 12-Dec.20A 31-Dec.20A 31-Dec.20A DDA - Further information required by SO 0 < | |
| 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<> | |
| B2596371 DDA - Further information required by SO Image: SO | |
| B2596381 DDA - 3rd Sub 0 10-Feb-21A 10-Feb-21A ● DDA - 3rd Sub 0 0DA 2nd Review by SO 0DA 2nd Review | |
| B2596391 DDA - 2nd Review by SO 0 1 64 11-Feb-21 A 15-Apr-21 A 0 DDA | |
| 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<> | |
| 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 Image: Constraint of the second secon | DDA - Review by SO |
| B15930 DDA - 2nd Sub 0 11-Jan-21 0 21-Jun-21 | |
| | DDA Further information requir |
| | ◆ DDA 2nd Sub |
| B15940 DDA - 2nd Review by SO 35 12-Jan-21 15-Feb-21 35 22-Jun-21 26-Jul-21 | |
| 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 | |
| | otion conviced by SQ |
| | |
| | DDA - 4th;Review by \$O |
| 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 |
| | |
| DDA WVB - Accommodation (SoA) 57 13-Nov-20 21-Jan-21 133 30-Dec-20 A 15-Jun-21 DDA WVB - Accommodation (SoA) B14380 DDA - Further information required by SO 30 13-Nov-20 17-Dec-20 40 30-Dec-20 A 18-Feb-21 A DDA WVB - Accommodation (SoA) | |
| B14380 DDA - Put their intollitation required by 30 B14390 DDA - 2nd Sub 0 17-Dec-20 0 18-Feb-21 A | |
| B1400 DDA - 2nd Review by SO 35 18-Dec-20 21 18 19-Feb-21 A 08-Mar-21 A | |
| | rmation required by SO |
| B2597121 DDA - 1 didlet information required by 30 0 <th< td=""><td></td></th<> | |
| B2597131 DDA - 3rd Review by SO 0 35 12-May-21 15-Jun-21 | DDA - 3rd Review by SO |
| B14410 DDA - SO Consent for Construction 0 21-Jan-21 0 15-Jun-21 | ◆ DDA - \$O Consent for Construction |
| 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 |
| | nformation required by \$0; |
| | |
| | evision Checked Approved |
| ED/2018/04 Trunk Road 12 and Intrastructure vvorks | |
| Actual Milestone for Developments at South Aprop | |
| 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 |
| | SPa/LLo WYu 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 02 09 16 23 1 | June 30 06 13 20 27 | July 04 11 18 25 |
| 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 | |
| | DDA - Further information required by SO DDA - 3rd Sub | 0 | | | 0 | 09-Mar-21 A | 11-May-21 11-May-21 | | | | |
| 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 |
| | DDA - 1st Sub | 0 | 10 300 20 | 09-Oct-20 | 0 | 10 101 2 1 | 07-Jun-21 | ┟╬╶╌╌╬╶╌╴╬╌╌╴╬╌╌╴╬╌╌╴╬╌╌╴╬╌╌╴╬╌╴╴╬╌╴╴╬╌╴╴ | | DDA - 1st Sub | |
| | DDA - Review by SO | 28 | 10-Oct-20 | 06-Nov-20 | 28 | 08-Jun-21 | 05-Jul-21 | | | | DDA - Review by SC |
| | 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 | | | | |
| SOUTHAPP | | 96 | 20-Nov-20 | 18-Mar-21 | 143 | 23-Dec-20 A | 22-Jun-21 | SOUTH APRON ADIT | | | |
| | Apron Adit - DC RA | 0 | 17-Feb-21 | 17-Feb-21 | 133 | 28-Dec-20 A | 12-Jun-21 | ▼ DDA Søuth Apron Adit - DCRA | | | |
| | DDA - 3rd Sub | 0 | | | 0 | | 28-Dec-20 A | DDA - 3rd Sub | | | |
| | DDA - 3rd Review by SO | 0 | | | 14 | 29-Dec-20 A | 11-Jan-21 A | DDA - 3rd Review by SO | | | |
| | DDA - Further information required by SO | 0 | | | 93 | 12-Jan-21 A | 08-May-21 | | DDA - Further inf | ormation required by SO | |
| 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 | | | | |
| SOR | 1 | 0 | 14-Aug-20 | 14-Aug-20 | 60 | 10-Dec-20 A | 25-Feb-21 A | | | | |
| | 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 | | | |
| | DDA - 7th Sub | 0 | | | 0 | 00 5-6 01 4 | 01-Feb-21 A | DDA - 7th Sub | | | |
| | DDA - 7th Review by SO | 0 | | 14 4.00 20 | 18 | 02-Feb-21 A | 25-Feb-21 A | DDA 7th Review; by SO | | | |
| 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 |
| | Actual Work | | | IOF | Jev | eiopme | ms at S | outh Apron | | IV0 SPa/LLO IV1 SPa/LLO | WYu |
| | 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 |
| L | | | | | | | - | | <u>_</u> | · | |

| 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
 Oritical A di vity

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 | | | | | | |
|--------------|--|-----|------------------------|-------------|-----|--------------|-------------|----------|---------------------|-----------|---|-----------------|-----------|-----------------------------|-------|--------------|-------------------|------------------|-------------|-----------------------|
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| 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 | | | | | | | | | | | | · | |
| | | | | | | 00 May 21 | 3 | | | | | | | | | | 4 Sub - | | nd Review t | |
| 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

♦ Baseline Milestone

alActivity

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

BOUYGUES

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| Date | Revision | Checked | Approved |
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| 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 |
| J | · · · | | 1 | | | J | | Date Revision Checked Approved |
| 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 |
| | | 1 | | | | | | |

| Page 7 of 25 |
|-------------------|
| Data Data: 01-May |

ctual Milestone ctual Work

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

CriticalActivity

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V Summary

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



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| 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 | | | | | | |
| | | | 111 | | JIII | 13 1 10111 | iy rivyi | jiai | une (Ab | 1-21) | | | | 09- | -Oct-20 | 01V | √3 SPa | /LLo | WYu |

| 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 |

icalActivity

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% |
| ۰ ۲۱۰۱۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰ | | | | | | | | |
| 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 |

 \diamond

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

C

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 |
| | | | | | | | | | Ľ | | | 1 | |

| k Excavation | 0 0 | | | 1 3 31 3 16 2 1 5 3 1 5 35 35 35 5 4 2 8 8 | 28-Jan-21 A 29-Jan-21 A 29-Dec-20 A 29-Dec-20 A 02-Jan-21 A 21-Jan-21 A 23-Jan-21 A 23-Jan-21 A 03-Feb-21 A 02-Jan-21 A 02-Jan-21 A 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A | 28-Jan-21 A 31-Jan-21 A 03-Feb-21 A 31-Dec-20 A 20-Jan-21 A 22-Jan-21 A 23-Jan-21 A 29-Jan-21 A 02-Feb-21 A 03-Feb-21 A 12-Feb-21 A 12-Feb-21 A 12-Feb-21 A 12-Feb-21 A | January February 03 10 17 24 31 07 14 21 28 03 10 17 24 31 07 14 21 28 03 10 17 24 31 07 14 21 28 1 Concrete I Concrete Image: Strength Gain Image: Strength Gain | | May June June 16 23 30 06 13 20 27 | |
|---------------|---|---|--|--|--|---|--|--|---|--|
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| ing Ig | 0 0 <t< td=""><td></td><td></td><td></td><td>29-Dec-20 A 29-Dec-20 A 29-Dec-20 A 02-Jan-21 A 21-Jan-21 A 23-Jan-21 A 23-Jan-21 A 30-Jan-21 A 02-Jan-21 A 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A 13-Jan-21 A</td><td>03-Feb-21 A 03-Feb-21 A 31-Dec-20 A 20-Jan-21 A 22-Jan-21 A 23-Jan-21 A 02-Feb-21 A 03-Feb-21 A 12-Feb-21 A 12-Feb-21 A 07-Jan-21 A</td><td>Sheet Pile for pour 8 & 9 Excavation & GW Breaking Dwall Breaking / Trimming Blinding concrete Steel Fixing Formworks Erection Concrete GW rémoval Sheet Pile for Pour</td><td></td><td></td><td></td></t<> | | | | 29-Dec-20 A 29-Dec-20 A 29-Dec-20 A 02-Jan-21 A 21-Jan-21 A 23-Jan-21 A 23-Jan-21 A 30-Jan-21 A 02-Jan-21 A 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A 13-Jan-21 A | 03-Feb-21 A 03-Feb-21 A 31-Dec-20 A 20-Jan-21 A 22-Jan-21 A 23-Jan-21 A 02-Feb-21 A 03-Feb-21 A 12-Feb-21 A 12-Feb-21 A 07-Jan-21 A | Sheet Pile for pour 8 & 9 Excavation & GW Breaking Dwall Breaking / Trimming Blinding concrete Steel Fixing Formworks Erection Concrete GW rémoval Sheet Pile for Pour | | | |
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| | 0 | | | | 21-Jan-21 A 23-Jan-21 A 25-Jan-21 A 30-Jan-21 A 03-Feb-21 A 02-Jan-21 A 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A | 22-Jan-21 A 23-Jan-21 A 29-Jan-21 A 02-Feb-21 A 03-Feb-21 A 12-Feb-21 A 12-Feb-21 A 07-Jan-21 A 12-Jan-21 A | Dwall Breaking / Trimming Blinding concrete Steet Fixing Formworks Erection Concrete GW rémoval Sheet Pile for Pour | | | |
| | 0 | | | 2 1 5 3 1 35 35 5 4 2 8 | 23-Jan-21 A 25-Jan-21 A 30-Jan-21 A 03-Feb-21 A 02-Jan-21 A 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A 13-Jan-21 A | 23-Jan-21 A 29-Jan-21 A 02-Feb-21 A 03-Feb-21 A 12-Feb-21 A 12-Feb-21 A 07-Jan-21 A | Blinding concrete Steef Fixing Formworks Etection Concrete GW rémoval Sheet Pile for: Pour | | | |
| k Excavation | 0 | | | 1 5 3 1 35 35 5 4 2 8 | 25-Jan-21 A 30-Jan-21 A 03-Feb-21 A 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A 13-Jan-21 A | 29-Jan-21 A 02-Feb-21 A 03-Feb-21 A 12-Feb-21 A 12-Feb-21 A 07-Jan-21 A 12-Jan-21 A | Steel Fixing Formworks Erection Concrete GW rémoval Sheet Pile for Pour | | | |
| k Excavation | 0 | | | 5 3 1 35 35 5 4 2 8 | 30-Jan-21 A 03-Feb-21 A 02-Jan-21 A 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A 13-Jan-21 A | 02-Feb-21 A 03-Feb-21 A 12-Feb-21 A 12-Feb-21 A 07-Jan-21 A 12-Jan-21 A | Formworks Erection Concrete GW rémoval Sheet Pile for Pour | | | |
| k Excavation | 0 | | | 3 1 35 35 5 4 2 8 | 03-Feb-21 A 02-Jan-21 A 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A 13-Jan-21 A | 03-Feb-21 A 12-Feb-21 A 12-Feb-21 A 07-Jan-21 A 12-Jan-21 A | GW rémoval Sheet Pile for: Pour | | | |
| k Excavation | 0 | | | 1 35 5 4 2 8 | 02-Jan-21 A 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A 13-Jan-21 A | 12-Feb-21 A 12-Feb-21 A 07-Jan-21 A 12-Jan-21 A | GW rémoval | | | |
| k Excavation | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 35 35 5 4 2 8 | 02-Jan-21 A 02-Jan-21 A 08-Jan-21 A 13-Jan-21 A | 12-Feb-21 A 07-Jan-21 A 12-Jan-21 A | Sheet Pile for Pour | | | |
| k Excavation | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 35 5 4 2 8 | 02-Jan-21 A 08-Jan-21 A 13-Jan-21 A | 07-Jan-21 A 12-Jan-21 A | Sheet Pile for Pour | | | |
| k Excavation | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 5 4 2 8 | 08-Jan-21 A 13-Jan-21 A | 12-Jan-21 A | Sheet Pile for Pour | | | · |
| k Excavation | 0 0 0 0 0 0 0 0 0 | | | 4 2 8 | 13-Jan-21 A | | | | | |
| k Excavation | 0 0 0 0 0 0 0 | | | 2 8 | | 14-Jan-21 A | FIS Wailind & Struts | | | |
| k Excavation | 0 0 0 0 0 | | | 8 | | | | | | |
| k Excavation | 0 0 0 0 | | | 1 | 15-Jan-21 A | 23-Jan-21 A | Dwall Breaking | | | |
| k Excavation | 0 0 0 0 | | | | 25-Jan-21 A | 25-Jan-21 A | B Blinding concrete | | | |
| k Excavation | 0 | | 1 | 11 | 26-Jan-21 A | 06-Feb-21 A | Steel Fixing | | | · + |
| k Excavation | 0 | | | 2 | 06-Feb-21 A | 08-Feb-21 A | Formworks Erection | ion | | |
| k Excavation | - | | | 1 | 09-Feb-21 A | 09-Feb-21 A | I Concrete | | | |
| k Excavation | | | | 3 | 10-Feb-21 A | 12-Feb-21 A | Condrete Strer | ngth Gain | | ····· |
| | 0 | | | 95 | 29-Jan-21 A | 29-May-21 | ++++++++++++++++++++++++++++ | | | · |
| | 0 | | | 6 | 29-Jan-21 A | 04-Feb-21 A | Pump System Setup | | | ····· |
| | 0 | | | 13 | 05-Feb-21 A | 23-Feb-21 A | | nping Test | | |
| on Start | 0 | | | 0 | 24-Feb-21 A | 201002111 | | 11 & 2 Bulk Excavation Start | | |
| ···· · | 0 | | | 14 | 24-Feb-21 A | 11-Mar-21 A | | Excavation to -3.3mPD | | · · · · · · · · · · · · · · · · · · · |
| | 0 | | | 10 | 12-Mar-21 A | 23-Mar-21 A | ····· | Excavation to -3.3mPD Excavation to -10.2mPD | | |
| D | 0 | | | 5 | 24-Mar-21 A | 29-Mar-21 A | | Excavation to -14 75mPD | | |
| lion | 0 | | | 7 | 30-Mar-21 A | 12-Apr-21 A | | Concrete Strut Constructio | | |
| D | 0 | | | , 19 | 15-Apr-21 A | 07-May-21 | | | cavation to -21.25mPD | |
| | | | | 19 Q | · · | | | | Excavation to -26.45mPD | |
| D | 0 | | | 9 | 08-May-21 | 18-May-21 | | | Excavation to FEL | |
| | 0 | 07 1 01 | 10.0 | , | 20-May-21 | 29-May-21 | | | | |
| | | 07-Jun-21 | 10-Sep-21 | 72 | 31-May-21 | 24-Aug-21 | ····· | | | |
| | | 07-Jun-21 | 06-Jul-21 | 24 | 31-May-21 | 28-Jun-21 | | | | Cell 2 WB Base s |
| | | 07-Jun-21 | 20-Jul-21 | 36 | 19-Jun-21 | 31-Jul-21 | | | | |
| d time | 12 | 17-Jul-21 | 30-Jul-21 | 12 | 22-Jun-21 | 06-Jul-21 | | | | |
| | 24 | 07-Jul-21 | 03-Aug-21 | 24 | 29-Jun-21 | 27-Jul-21 | ····· | | | ++++ |
| | 24 | | - | | | | ····· | | | |
| | 36 | | | 36 | 07-Jul-21 | | | | | |
| | 24 | 04-Aug-21 | 31-Aug-21 | 24 | 28-Jul-21 | 24-Aug-21 | | | | |
| | 0 | | | 57 | 31-May-21 | 06-Aug-21 | | | | |
| | 0 | | | 51 | 31-May-21 | 30-Jul-21 | | | | |
|] | 0 | | | 9 | 31-May-21 | 09-Jun-21 | | | Blinding & Waterpro | Jofing |
| | 0 | | | 12 | 10-Jun-21 | 24-Jun-21 | | | Base S | Slab Cell 2 30% |
| | 0 | | | 12 | 25-Jun-21 | 09-Jul-21 | | | | Base Slab Cel |
| | 0 | | | 6 | 10-Jul-21 | 16-Jul-21 | | | | Base SI |
| | 0 | | | 12 | 17-Jul-21 | 30-Jul-21 | | | | |
| | 0 | | | 57 | 31-May-21 | 06-Aug-21 | | | | |
| | | | | 9 | 31-May-21 | 09-Jun-21 | | | Blinding & Waterpro | oofing |
| 3 | | 36 24 0 | 24 07-Jul-21 36 31-Jul-21 24 04-Aug-21 0 0 10 0 | 24 07-Jul-21 03-Aug-21 36 31-Jul-21 10-Sep-21 24 04-Aug-21 31-Aug-21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 24 07-Jul-21 03-Aug-21 24 36 31-Jul-21 10-Sep-21 36 24 04-Aug-21 31-Aug-21 24 0 0 10-Sep-21 36 0 0 31-Aug-21 24 0 0 10-Sep-21 31 12 0 12 12 0 0 10-Sep-21 12 0 10-Sep-21 12 12 12 0 12 12 12 0 12 57 | 24 07-Jul-21 03-Aug-21 24 29-Jun-21 36 31-Jul-21 10-Sep-21 36 07-Jul-21 24 04-Aug-21 31-Aug-21 24 28-Jul-21 0 0 0 57 31-May-21 0 0 0 51 31-May-21 0 0 0 9 31-May-21 0 0 0 12 10-Jun-21 0 0 0 12 10-Jun-21 0 0 0 12 25-Jun-21 0 0 0 12 10-Jul-21 0 0 0 12 17-Jul-21 0 0 0 12 17-Jul-21 0 0 0 57 31-May-21 | 24 07-Jul-21 03-Aug-21 24 29-Jun-21 27-Jul-21 36 31-Jul-21 10-Sep-21 36 07-Jul-21 17-Aug-21 24 04-Aug-21 31-Aug-21 24 28-Jul-21 24-Aug-21 20 04-Aug-21 31-Aug-21 24 28-Jul-21 24-Aug-21 20 04-Aug-21 31-Aug-21 57 31-May-21 06-Aug-21 10 0 1 10 51 31-May-21 30-Jul-21 10 0 1 1 10-Jun-21 24-Jun-21 10 0 1 10 10-Jun-21 24-Jun-21 10 0 1 10-Jun-21 24-Jun-21 10 0 1 10-Jun-21 24-Jun-21 10 0 1 12 10-Jun-21 09-Jul-21 10 0 1 1 10-Jul-21 10-Jul-21 10 0 1 1 1 1 1 11 0 1 1 1 1 1 1 | 24 07-Jul-21 03-Aug-21 24 29-Jun-21 27-Jul-21 11 | 24 07-Jul-21 03-Aug-21 24 29-Jun-21 27-Jul-21 1 | 24 07.Jul21 03.Aug.21 24 29.Jun21 27.Jul21 17.Aug.21 17.Aug. |

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

C

aseline Milestone

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

alActivity

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).