## **Civil Engineering and Development Department**

## Contract No. ED/2018/04

## Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron

Quarterly Environmental Monitoring and Audit Report

(under EP-458/2013/C)

May 2022 - July 2022

(Version 1)

| 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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16 August 2022

By Post and Email

Ref.: CEDKTDT2EM00\_0\_0371L.22

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 (Environmental Permit: EP-458/2013/C)

#### Quarterly EM&A Summary Report (May 2022 to July 2022)

Reference is made to the Environmental Team's submission of the Quarterly EM&A Summary Report for May 2022 to July 2022 (Version 1) certified by the ET Leader and provided to us via email on 16 August 2022.

We are pleased to inform you that we have no adverse comment on the captioned submission.

Thank you for your attention. Please do not hesitate to contact 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 BTP Cinotech Attn.: Mr. Tommy Wong Attn.: Mr. Ivan Chau Attn.: Mr. K. S. Lee Fax: 2739 0076 By email Fax: 3107 1388

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## **EXECUTIVE SUMMARY**

## Introduction

 This is the 9<sup>th</sup> Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by the Environmental Team (ET), Cinotech Consultants Ltd., for "Trunk Road T2 and Infrastructure Works at the Former South Apron". This report summarized the monitoring results and audits findings of the EM&A programme under the issued Environmental Permit (EP) No. EP-458/2013/C and in accordance with the EM&A Manual (AEIAR-173/2013) during the reporting period from May 2022 to July 2022.

## Summary of Main Works Undertaken and Key Measures Implemented

2. The construction activities undertaken in the reporting quarter were as follows:

#### May 2022

- East Ventilation Building Excavation
- Drill & Blast Tunnel CP33 blasts
- West bound Kicker concreting
- East bound Service Gallery Installation, Tunnel Excavation
- Logistic Steel Deck

#### June 2022

- Tunnel Segment delivery
- West Bound Drill & Blast Tunnel
- West Bound RC Structure Construction
- CP 33 Excavation
- East Bound RC Structure Construction
- East Bound Service Gallery Drill & Blast
- East Bound Service Gallery A Installation
- East Ventilation Building WB Blinding & Waterproofing
- East Ventilation Building EB Excavation

#### July 2022

- East Bound Type A Bench
- East Bound Type A Top Heading
- East Ventilation Building Basement Excavation
- West Bound Drill & Blast Tunnel, Blasting
- Drill & Blast Tunnel Civil Works, Kicker concreting
- Service Gallery Installation
- 3. Implementation of the key mitigation measures during the reporting period are as follows:

#### Construction Noise

- Construction activities were scheduled to minimize noise nuisance to the nearby sensitive receiver.
- Use of Quality Powered Mechanical Equipment (QPME) on site.
- Erected the noise barrier on site.
- Air Quality

• Regularly watering on site to avoid dust generation. *Landscape and Visual* 

• Tree protection zones were fenced off to protect the existing trees on site.

#### **Environmental Monitoring Works**

- 4. Environmental monitoring for the Project was performed in accordance with the EM&A Manual and the monitoring results were checked and reviewed. Site Inspections/Audits were conducted once per week. The implementation of the environmental mitigation measures, Event Action Plans and environmental complaint handling procedures were also checked.
- Summary of the non-compliance in the reporting quarter for the Project is tabulated in Table

   Details of the environmental monitoring results is presented in Section 3.

| Parameter  | No. of Ex    | cceedance   | Construction | dance due to<br>Activities of<br>roject | Action Taken              |
|--|--------------|-------------|--------------|---|---------------------------|
|  | Action Level | Limit Level | Action Level | Limit Level                             |                           |
| May 2022   |              |             |              |   |                           |
| Air Quality  | 0            | 0           | 0            | 0                                       | N/A                       |
| Noise  | 0            | 1           | 0            | 0                                       | Detail refer to<br>App I. |
| Marine Water Quality                                       | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Groundwater Level<br>Monitoring (Piezometer<br>Monitoring) | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Ecological   | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Cultural Heritage  | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Landfill Gas   | N/A          | N/A         | N/A          | 0                                       | N/A                       |
| June 2022  |              |             |              |   |                           |
| Air Quality  | 0            | 0           | 0            | 0                                       | N/A                       |
| Noise  | 0            | 1           | 0            | 0                                       | Detail refer to<br>App I. |
| Marine Water Quality                                       | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Groundwater Level<br>Monitoring (Piezometer<br>Monitoring) | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Ecological   | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Cultural Heritage  | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Landfill Gas   | N/A          | N/A         | N/A          | 0                                       | N/A                       |
| July 2022  | ·            | ·           | ·            |   | ·                         |
| Air Quality  | 0            | 0           | 0            | 0                                       | N/A                       |
| Noise  | 0            | 0           | 0            | 0                                       | N/A                       |
| Marine Water Quality                                       | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Groundwater Level<br>Monitoring (Piezometer<br>Monitoring) | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Ecological   | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Cultural Heritage  | N/A          | N/A         | N/A          | N/A                                     | N/A                       |
| Landfill Gas   | N/A          | N/A         | N/A          | 0                                       | N/A                       |

#### Table I Non-compliance (Exceedance) Record for the Project in the Reporting Quarter

Note:

N/A - Not Applicable.

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

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

| Enort  |        | Event Details |              | <u>64-4</u> |
|--|--------|---------------|--------------|-------------|
| Event  | Number | Nature        | Action Taken | Status      |
| Complaints Received  | 0      |               | N/A          | N/A         |
| Notifications of any<br>summons &<br>prosecutions received | 0      |               | N/A          | N/A         |

 Table II
 Summary Table for Key Information in the Reporting Quarter

N/A – Not Applicable

7. Environmental monitoring works for the Project are considered effective and is generating data to categorically identify the environmental impacts from the works and influencing factors in the vicinity of monitoring stations.

## **Reporting Changes in the Reporting Quarter**

8. The 24 TSP Monitoring at AM4(A) is suspended and under application for relocation in June 2022. Once the proposal for relocation is approved, the monitoring at AM4(A) will at conducted at AM4(B). For the time being, as the station CKL2 for the 24 hr TSP monitoring, carried out under EM&A works for Trunk Road T2 Project (EP- 451/2013), is located in close proximity to AM4(A); the results from CKL2 are adopted as reference for the 24 TSP monitoring at AM4(A), which has similar environment when compared with that for CKL2. **Figure 2** shown the location of CKL2.

## 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 under this Contract is governed by the two EPs (EP-451/2013 and EP-458/2013/C) and two EM&A Manuals (AEIAR-174/2013 and AEIAR-173/2013). The work areas of the T2 Main Works are shown in **Figure 1** and the works to be executed under this Contract and corresponding EPs are 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                         |
| EP-458/2013/C – Tseung Kwan O – | <u>Cha Kwo Ling Tunnel</u>                                      |
| Lam Tin Tunnel (TKOLTT) and     | Construction of Cha Kwo Ling Tunnel from the end of Trunk Road  |
| Associated Works                | T2 to the TKOLTT at the Eastern Ventilation Building            |

Monitoring Works in Lam Tin under EP-458/2013/C

- 1.4 Under Agreement No. CE 59/2015 (EP) Tseung Kwan O Lam Tin Tunnel (TKOLLT) and Associated Works, the baseline monitoring works in Lam Tin under the EM&A Manual (AEIAR-173/2013) were conducted by the Environmental Team (ET) for the Agreement No. CE 59/2015 (EP) at the approved monitoring locations, namely AM1, AM2, AM3, AM4, AM4 (A) CM1, CM2, CM3, CM4 and CM5. Impact monitoring within the Lam Tin area shall be conducted by the ET of Contract No. ED/2018/04 upon cessation of Agreement No. CE 59/2015 (EP). The data obtained from the impact monitoring works completed by the ET of Agreement No. CE 59/2015 (EP) will be adopted in this report
- 1.5 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**

1.6 This is the 9<sup>th</sup> Quarterly EM&A Summary Report summarizing the EM&A works for the Project in between May 2022 and July 2022

## **Project Organizations**

- 1.7 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)
- 1.8 The key contacts of the Project are shown in **Table 1.1**.

| Table 1.1 | <u>SI Key Project Contacts</u>       |                         |           |
|-----------|--------------------------------------|-------------------------|-----------|
| Party     | Role                                 | Contact Person          | Phone No. |
| CEDD      | Permit Holder                        | Mr. Wong Chi Wai, Tommy | 3842 7111 |
| HMJV      | Supervisor Representative            | Ms. Hazel Tang          | 2149 8524 |
|           |                                      | Mr. KS Lee (ETL)        | 2151 2091 |
| Cinotech  | Environmental Team                   | Ms. Karina Chan         | 2157 3880 |
| Ramboll   | Independent Environmental<br>Checker | Mr. YH Hui              | 3465 2850 |
| BTP       | Contractor                           | Ms. Ality Chan          | 5185 4462 |

Table 1.1Key Project Contacts

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

## Construction Activities undertaken during the Report Quarter

1.10 The major site activities undertaken in the reporting quarter are shown as follow:

#### May 2022

- East Ventilation Building Excavation
- Drill & Blast Tunnel CP33 blasts
- West bound Kicker concreting
- East bound Service Gallery Installation, Tunnel Excavation
- Logistic Steel Deck

#### June 2022

- Tunnel Segment delivery
- West Bound Drill & Blast Tunnel
- West Bound RC Structure Construction
- CP 33 Excavation
- East Bound RC Structure Construction
- East Bound Service Gallery Drill & Blast
- East Bound Service Gallery A Installation
- East Ventilation Building WB Blinding & Waterproofing
- East Ventilation Building EB Excavation

#### July 2022

- East Bound Type A Bench
- East Bound Type A Top Heading
- East Ventilation Building Basement Excavation
- West Bound Drill & Blast Tunnel, Blasting
- Drill & Blast Tunnel Civil Works, Kicker concreting
- Service Gallery Installation

## 2. ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

#### **Monitoring Parameters and Monitoring Locations**

2.1 The EM&A Manual designates locations for environmental monitoring in terms of air quality, noise, and landfill gas due to the Project. The Project area and monitoring locations are depicted in **Figures 2**. **Appendix A** gives details of monitoring requirements.

#### **Monitoring Methodology and Calibration Details**

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

#### **Environmental Quality Performance Limits (Action and Limit Levels)**

- 2.3 The environmental quality performance limits, i.e. Action and Limit Levels were derived from the baseline monitoring results. Should the measured environmental quality parameters exceed the Action/Limit Levels, the respective action plans would be implemented. The Action/Limit Levels for each environmental parameter are given in **Appendix B**.
- 2.4 Should the monitoring results of the environmental monitoring parameters at any designated monitoring stations indicate that the Action / Limit Levels are exceeded, the actions in accordance with the Event and Action Plans in **Appendix K** was carried out.

#### **Implementation Status of Environmental Mitigation Measures**

2.5 Relevant mitigation measures as recommended in the project EIA report have been stipulated in the EM&A Manual for implementation by the Contractor. The implementation status of environmental mitigation measures (EMIS) is given in **Appendix G**.

#### Site Audit Summary

2.6 During site inspections in the reporting period, no non-compliances was recorded. The observations and recommendations made during the reporting period are summarized in **Appendix F**.

#### **Status of Waste Management**

2.7 The amount of wastes generated by the construction activities during the reporting period is shown in **Appendix H**.

## 3. MONITORING RESULTS

## Weather Conditions

3.1 The weather during monitoring sessions was summarized in **Table 3.1**.

#### Table 3.1 Summary of Weather Conditions in the Reporting Period

| Reporting Month | General Weather Conditions |
|-----------------|----------------------------|
| May 2022        | Sunny, Cloudy, Rainy       |
| June 2022       | Sunny, Cloudy              |
| July 2022       | Sunny, Cloudy              |

3.2 The detail of weather conditions for each individual monitoring session was presented in the corresponding monthly EM&A report.

#### Air Quality

- 3.3 All 1-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance was recorded.
- 3.4 All 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance were recorded.
- 3.5 The graphical presentations of the air quality monitoring results are shown in **Appendix C**.

#### **Construction Noise**

3.6 All noise monitoring was conducted as scheduled in the reporting month. No Action Level exceedance was recorded due to the documented complaints received in this reporting quarter. Two (2) Limit Level exceedance for day time were recorded in the reporting quarter. The graphical presentations of the noise monitoring results are shown in **Appendix D**.

#### Water Quality

#### Groundwater Quality

3.7 The existing groundwater quality monitoring programme has been suspended as the monitoring results had been deemed non-representative of the impact from the project justified by two major factors: (1) influence on the monitoring results from non-project related factors, such as anthropogenic activities and natural phenomenon; and (2) large separation between the monitoring stations and works area. In addition, as no alternative locations for the groundwater quality monitoring were available, the groundwater quality monitoring has been suspended since October 2019 upon the agreement by EPD

## Marine Water Quality

3.8 According to Section 4.4.3 of EM&A Manual (AEIAR-173/2013), marine water quality impact monitoring stations is carried out during marine construction for TKOLTT reclamation. Since the construction of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building does not involve reclamation, the marine water quality monitoring programme stated in Section 4.4 of the EM&A Manual (AEIAR-173/2013) is therefore not applicable to Contract No. ED/2018/04.

#### Groundwater Level Monitoring (Piezometer Monitoring)

3.9 According to Section 4.1.2 of EM&A Manual (AEIAR-173/2013), daily piezometer monitoring will be carried out on a daily basis when any tunnel construction activities are carried out within +/- 50m of the piezometer gate in plan. As the construction works of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building is approximately 120m away from the piezometer gate in plan, the piezometer monitoring programme stated in Section 4.2 of the EM&A Manual (AEIAR-173/2013) is therefore not applicable to Contract No. ED/2018/04

#### **Ecological Monitoring**

3.10 Post-translocation monitoring survey is recommended in Section 6.2.5 of the EM&A Manual (AEIAR-173/2013), to audit the success of coral translocation. Since the construction of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building does not involve any marine works in the concerned area mentioned in Section 6.1.2 of the EM&A Manual (AEIAR-173/2013), the post-translocation monitoring survey stated in Section 6.2.5 of the EM&A Manual (AEIAR-173/2013) is therefore not applicable to Contract No. ED/2018/04...

#### **Monitoring on Cultural Heritage**

3.11 As the construction works of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building are located more than 100m away from the Cha Kwo Ling Tin Hau temple, the vibration impact monitoring stated in Section 8.3.1 of the EM&A Manual (AEIAR-173/2013) is not applicable to Contract No. ED/2018/04.

#### Landscape and Visual Monitoring and Audit

3.12 The implementation of landscape and visual mitigation measures was checked during the environmental site inspections. Recommended follow-up actions have been discharged by the Contractor. Details of the audit findings and implementation status are presented in **Appendix F**.

#### Landfill Gas Monitoring

3.13 Since no excavation activity for this Project was carried out within the Sai Tso Wan Landfill Consultation Zone in this reporting quarter, therefore, no landfill gas monitoring was required.

## Waste Management

3.14 Site audits were carried out on a weekly basis to monitor and ensures that proper storage, transportation and disposal practices of wastes generated from this Project include inert construction and demolition (C&D) materials, non-inert C&D materials. Details of waste management data is presented in **Appendix H**.

#### Fisheries

3.15 According to Section 7.1.3 of EM&A Manual (AEIAR-173/2013), no specific fisheries monitoring programme is required during the construction phase.

#### **Influencing Factors on the Monitoring Results**

3.16 During the reporting period, the major dust and noise source identified at the designated monitoring stations are as follows:

| Station  | Major Dust Source  |
|--|--|
| AM1 – Tin Hau Temple   | Road Traffic at Cha Kwo Ling Road                            |
| AM2 – Sai Tso Wan Recreation Ground                                      | Road Traffic along Sin Fat Road                              |
| AM3 – Yau Lai Estate Bik Lai House                                       | Road Traffic near Eastern Cross Harbour<br>Tunnel Toll Plaza |
| AM4 - Sitting-out Area at Cha Kwo Ling<br>Village                        | Road Traffic at Cha Kwo Ling Road                            |
| AM4(A) - Cha Kwo Ling Public Cargo<br>Working Area Administrative Office | Road Traffic at Cha Kwo Ling Road                            |

#### Table 3.2 Major Dust Sources during the Monitoring in the Reporting Period

#### Table 3.3 Major Noise Sources during the Monitoring in the Reporting Period

| Monitoring<br>Stations | Locations  | Major Noise Source   |
|------------------------|--|--|
| CM1                    | Nga Lai House, Yau Lai Estate Phase 1,<br>Yau Tong | Road Traffic near Eastern Cross Harbour<br>Tunnel Toll Plaza |
| CM2                    | Bik Lai House, Yau Lai Estate Phase 1,<br>Yau Tong | Road Traffic near Eastern Cross Harbour<br>Tunnel Toll Plaza |
| CM3                    | Block S, Yau Lai Estate Phase 5, Yau<br>Tong       | Road Traffic near Eastern Cross Harbour<br>Tunnel Toll Plaza |
| CM4                    | Tin Hau Temple, Cha Kwo Ling                       | Road Traffic at Cha Kwo Ling Road                            |
| CM5                    | CCC Kei Faat Primary School, Yau Tong              | Road Traffic near Eastern Cross Harbour<br>Tunnel Toll Plaza |

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

#### **Summary of Exceedances**

4.1 Environmental monitoring works were performed in the reporting period and all monitoring results were checked and reviewed. A summary of exceedances is attached in **Appendix I**.

Air Quality

4.2 No Action/ Limit Level exceedance were recorded in the reporting quarter.

#### Construction Noise

4.3 No Action Level exceedances was recorded due to the documented complaints received in the reporting quarter. Two (2) Limit Level exceedance were recorded for day time construction noise in the reporting quarter.

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

4.10 During site audits in the reporting quarter, no non-compliance was recorded. Recommendations made in each individual site audit session were attached in the **Appendix F**.

#### Landscape and Visual

4.11 No non-compliance of the landscape and visual impact was recorded in the reporting quarter.

#### **Summary of Environmental Complaints and Prosecutions**

- 4.12 No environmental complaint on this Project was received in the reporting quarter.
- 4.13 No environmental warning, prosecution and notification of summons were received in the reporting quarter.

## 5. COMMENTS, CONCLUSIONS AND RECOMMENDATIONS

## Review of Monitoring Methodology and the Practicality and Effectiveness of EM&A Programme

5.1 The EM&A methodology has been effective in monitoring the environmental impacts of the Project and the effectiveness of the mitigation measures. The data collected were useful in determining whether the Project had caused unacceptable impacts on the sensitive receivers. Analysis of all EM&A data collected throughout the baseline and the impact periods demonstrated the environmental acceptability of the Project

#### **Effectiveness of Mitigation Measures**

- 5.2 The mitigation measures recommended in the EIA report are considered effective in minimizing environmental impacts.
- 5.3 The Contractor has implemented the recommended mitigation measures except those mitigation measures not applicable at this stage.
- 5.4 Environmental monitoring works were performed in the reporting quarter and all monitoring results were checked and reviewed.
- 5.5 The summary record of non-compliance (exceedances) of Action/Limit Level for environmental monitoring in the reporting quarter has been presented in **Table I** above and in **Appendix I**.
- 5.6 No environmental complaint was received in the reporting quarter. The details were attached in the **Appendix J.**
- 5.7 No warning, notification of summon and environmental prosecution was received in the reporting quarter. The details were attached in the **Appendix J**.

#### Recommendations

5.8 Joint weekly site audits by the representatives of the Engineer, Contractor and the ET were conducted in the reporting quarter. The following recommendations was made to the Contractor for the coming reporting month:

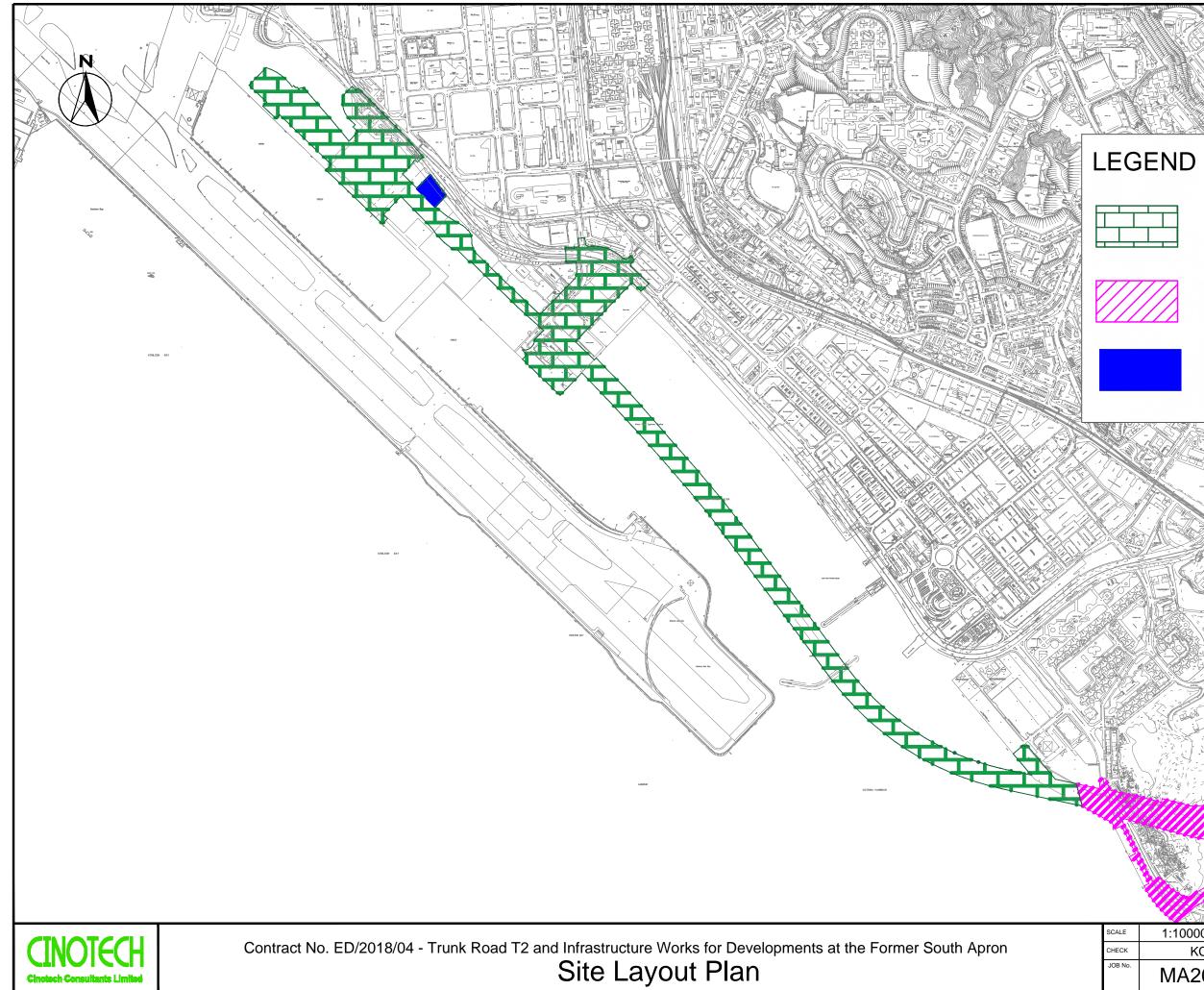
Water Quality

• • *Pounding water should be avoided.* 

#### Waste Management

- Contractor is suggested to prepare an emergency spill kit as to clean up spills of oil /chemical.
- Designated area for chemical storage should be provided for proper storage of chemical /oil.
- Chemical waste producer license should be displayed properly.
- Drip tray should be provided to prevent leaked chemical/oil from entering drainage system directly without any treatment processes.

FIGURES



**Cinotech Consul** 

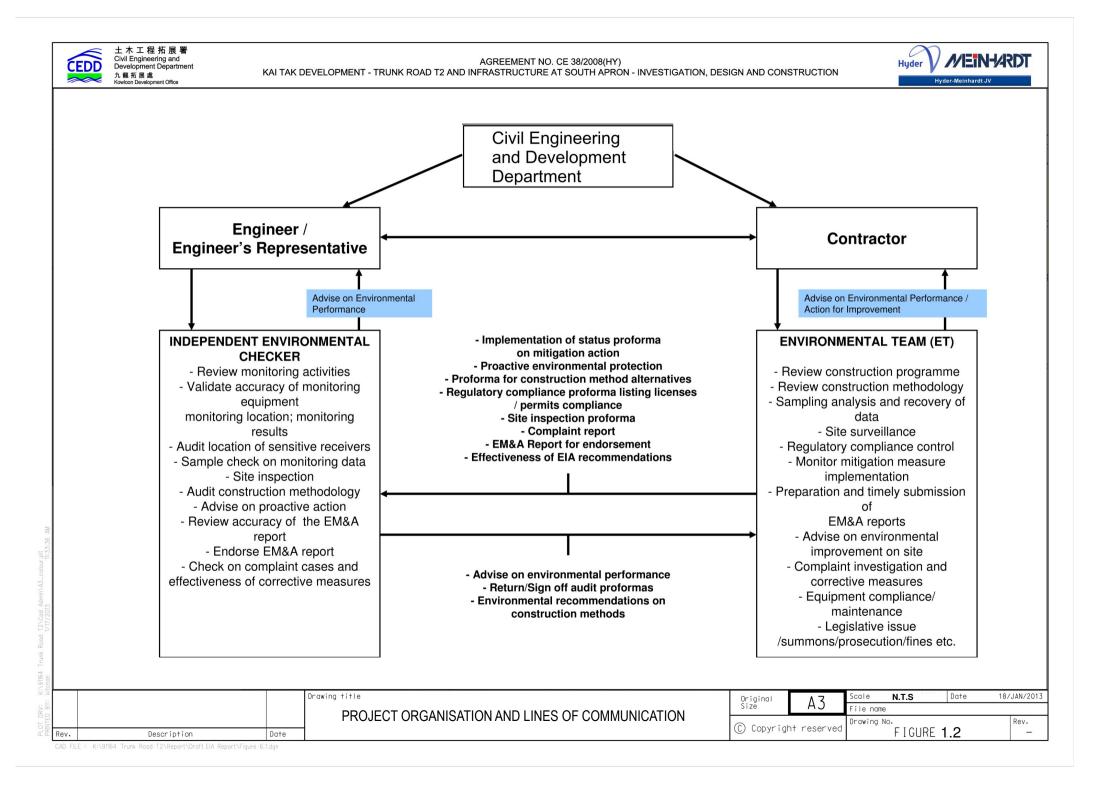
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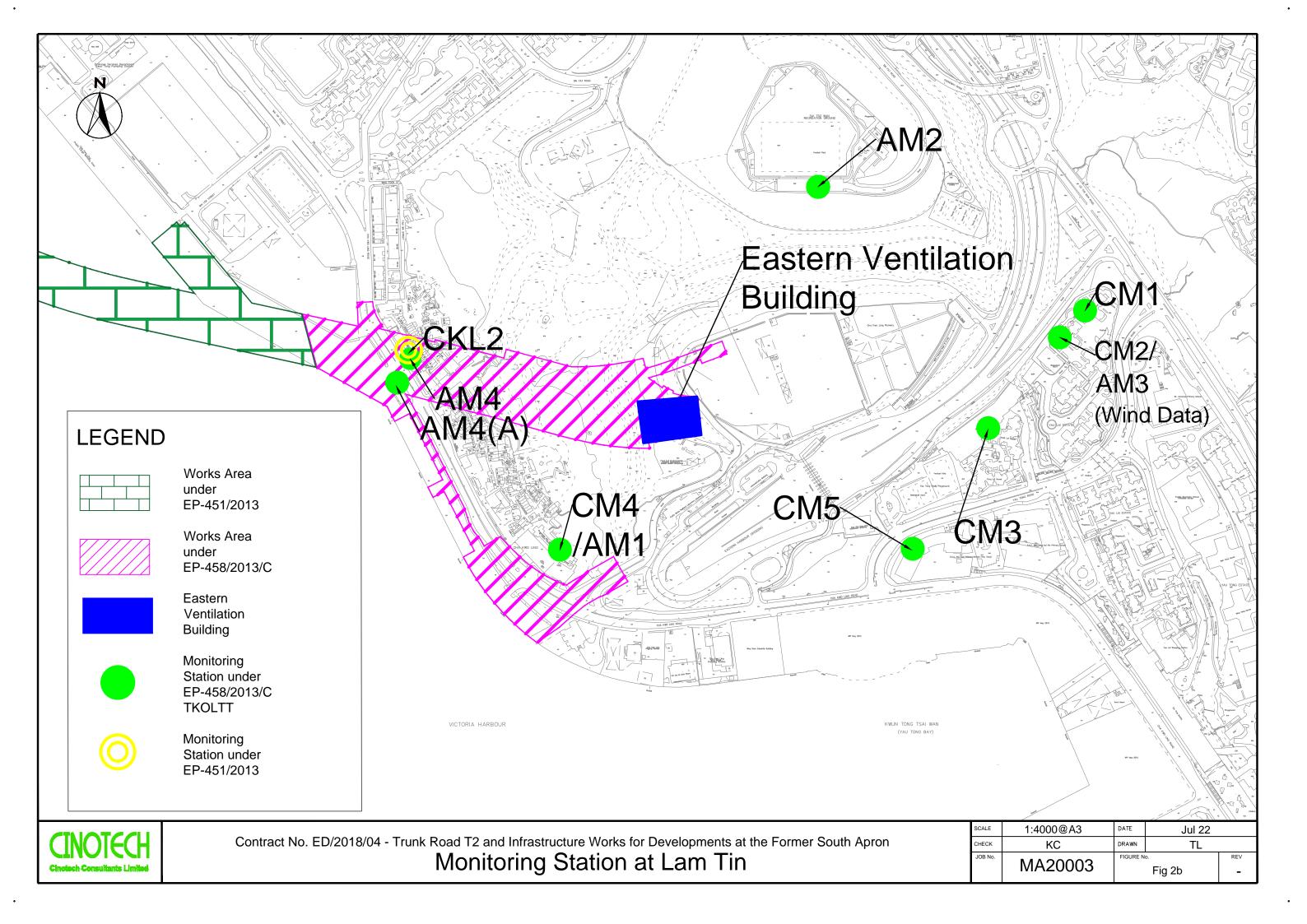
Works Area under Trunk Road T2

Works Area under Cha Kwo Ling Tunnel

Ventilation Building

| Ante              |            | 1192 - 53<br>1192 - 53 |              |          |
|-------------------|------------|------------------------|--------------|----------|
|                   |            |                        |              |          |
|                   |            |                        |              |          |
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|                   |            |                        |              |          |
|                   | 1:10000@A3 |                        | March 20     |          |
| СК                |            | DATE<br>DRAWN          | TL           |          |
| LE<br>CK<br>3 No. | 1:10000@A3 | DATE                   | TL           | REV      |





APPENDIX A MONITORING REQUIREMENTS

## **Appendix A - Environmental Impact Monitoring Requirements**

| Table I – A | Air Quality | <sup>•</sup> Monitoring |
|-------------|-------------|-------------------------|
|-------------|-------------|-------------------------|

| Type of<br>Monitoring | Parameter   | Frequency            | Location   | Measurement Conditions  |
|-----------------------|-------------|----------------------|--|---|
| Air Quality           | 1 hour TSP  | Three times / 6 days | <ul> <li>AM1 – Tin Hau Temple</li> <li>AM2 – Sai Tso Wan Recreation Ground</li> <li>AM3 – Yau Lai Estate Bik Lai House</li> </ul>  | <ul> <li>AM1 – Ground Level</li> <li>AM2 – Ground Level</li> <li>AM3 – Rooftop (41/F)</li> </ul>      |
|                       | 24 hour TSP | Once / 6 days        | <ul> <li>AM4<sup>(1)</sup> – Sitting-out Area at Cha Kwo Ling Village</li> <li>AM4(A)<sup>(2)(*)(**)</sup> – Cha Kwo Ling Public Cargo Working Area<br/>Administrative Office</li> </ul> | <ul> <li>AM4<sup>(1)</sup> – Ground Level</li> <li>AM4(A)<sup>(2)(*)</sup> – Rooftop (3/F)</li> </ul> |

Remarks: (1) For 1-hour TSP monitoring; (2) For 24-hour TSP monitoring

(\*) Air quality monitoring at designated station AM4(24-hr TSP) was rejected by the premise owners. Therefore, baseline and impact air quality monitoring works were carried out at alternative air quality monitoring stations AM4(A) (24-hr TSP only).

(\*\*)AM4(A) is not available for conducing monitoring due to the demolition of administrative office. Relocation of monitoring station is under progress and no 24 hr TSP monitoring being conducted prior to the approval of relocation from EPD. Detail refer to E.S.8 of this report.

#### **Table II – Noise Monitoring**

| Type of<br>Monitoring | Parameter  | Frequency        | Location   | Measurement Conditions  |
|-----------------------|--|------------------|--|---|
| Construction<br>Noise | L <sub>eq</sub> , L <sub>90</sub> & L <sub>10</sub> at 30<br>minute intervals<br>during 0700 to 1900<br>on normal weekdays | Once per<br>week | <ul> <li>CM1 – Nga Lai House, Yau Lai Estate Phase 1, Yau Tong</li> <li>CM2 – Bik Lai House, Yau Lai Estate Phase 1, Yau Tong</li> <li>CM3 – Block S, Yau Lai Estate Phase 5, Yau Tong</li> <li>CM4 – Tin Hau Temple, Cha Kwo Ling</li> <li>CM5 – CCC Kei Faat Primary School, Yau Tong</li> </ul> | <ul> <li>CM1 – Rooftop (41/F)</li> <li>CM2 – Rooftop (41/F)</li> <li>CM3 – Rooftop (40/F)</li> <li>CM4 – Ground Level</li> <li>CM5 – Rooftop (6/F)</li> </ul> |

| Type of<br>Monitoring | Parameter                                | Frequency   | Location   |
|-----------------------|--|---|--|
| Landfill Gas          | Methane, Carbon<br>dioxide and<br>Oxygen | at least daily before starting<br>the work of the day | <ul> <li>Excavation Locations</li> <li>Manholes and Chambers</li> <li>Relocation of monitoring wells</li> <li>Any other Confined Spaces</li> </ul> |

APPENDIX B ACTION AND LIMIT LEVELS

## **APPENDIX B – Action and Limit Levels**

#### Air Quality

## 1-hr TSP

| Monitoring<br>Stations | Location                                 | Action Level, µg/m <sup>3</sup> | Limit Level, µg/m <sup>3</sup> |
|------------------------|--|---------------------------------|--------------------------------|
| AM1                    | Tin Hau Temple                           | 275                             |                                |
| AM2                    | Sai Tso Wan Recreation Ground            | 273                             | 500                            |
| AM3                    | Yau Lai Estate Bik Lai House             | 271                             | 500                            |
| AM4                    | Sitting-out Area at Cha Kwo Ling Village | 278                             |                                |

#### 24-hr TSP

| Monitoring<br>Stations | Location  | Action Level, µg/m <sup>3</sup> | Limit Level, µg/m <sup>3</sup> |
|------------------------|---|---------------------------------|--------------------------------|
| AM1                    | Tin Hau Temple  | 173                             |                                |
| AM2                    | Sai Tso Wan Recreation Ground                                   | 192                             |                                |
| AM3                    | Yau Lai Estate Bik Lai House                                    | 167                             | 260                            |
| AM4(A)                 | Cha Kwo Ling Public Cargo Working Area<br>Administrative Office | 210                             |                                |

#### <u>Noise</u>

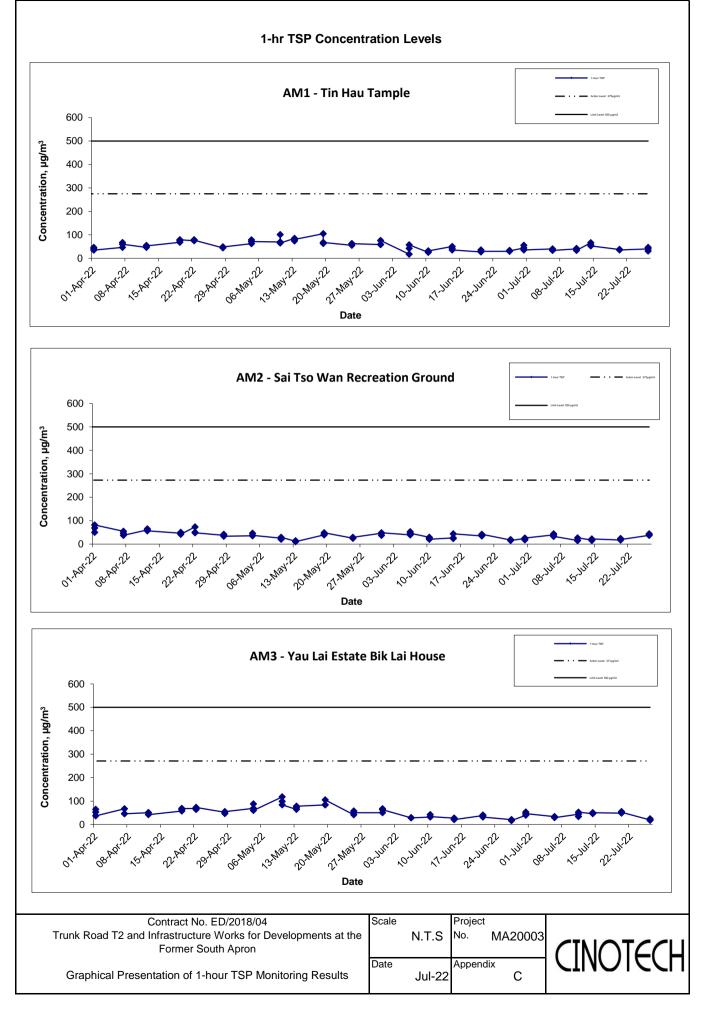
| Time Period                      | Action Level   | Limit Level             |
|----------------------------------|--|-------------------------|
| 0700-1900 hrs on normal weekdays | When one documented<br>complaint is received<br>from any one of the<br>monitoring stations | 75 dB(A) <sup>(1)</sup> |

<sup>1</sup>70 dB(A) for schools and 65 dB(A) for schools during examination period.

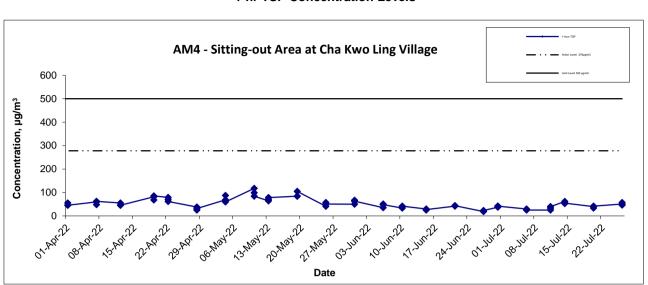
## Landfill Gas Monitoring

| Parameter | Limit Level                      |
|-----------|----------------------------------|
| Oxygen    | <19%                             |
|           | <18%                             |
| Methane   | >10% LEL (i.e. > 0.5% by volume) |
|           | >20% LEL (i.e. > 1% by volume)   |
| Carbon    | >0.5%                            |
| Dioxide   | >1.5%                            |

APPENDIX C GRAPHICAL PRESENTATION OF AIR QUALITY MONITORING RESULTS



#### 1-hr TSP Concentration Levels

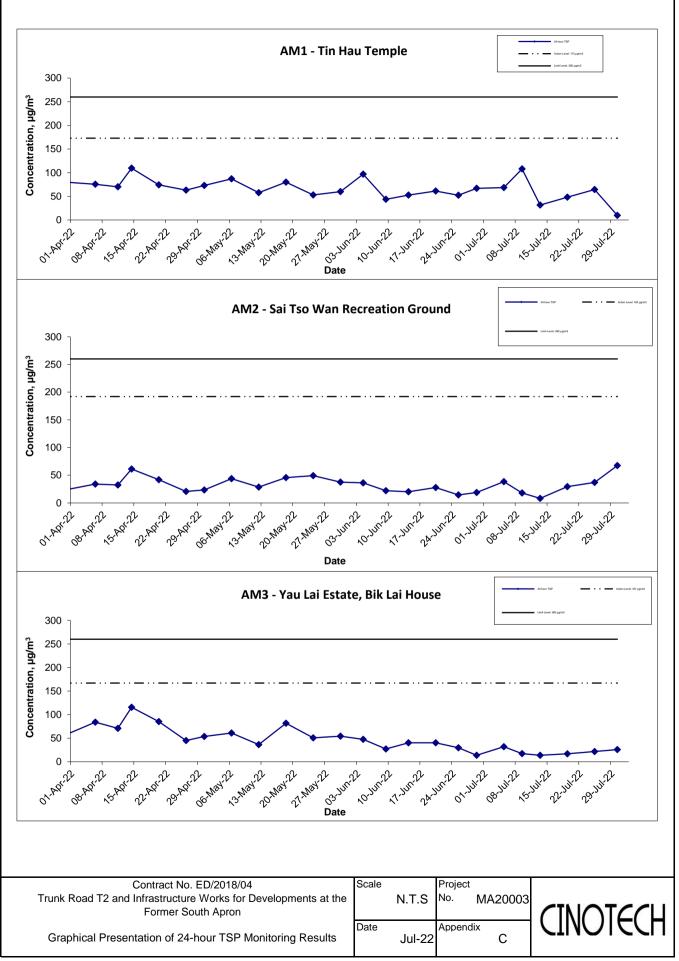


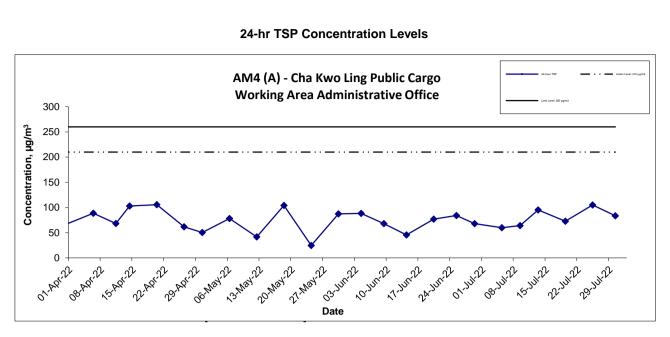
Notes:

- 1. The major activitie(s) being carried out on site during the reporting period is/are presented in Section 1.10
- 2. The weather conditions during the reporting month are presented in Section 3.1.
- 3. Other factors which might affect the monitoring results are presented in Section 3.16.

| Contract No. ED/2018/04<br>Trunk Road T2 and Infrastructure Works for Developments at the<br>Former South Apron | Scale |        | Project<br>No. | MA20003 |  |
|---|-------|--------|----------------|---------|--|
| Graphical Presentation of 1-hour TSP Monitoring Results   | Date  | Jul-22 | Appendix       | C       |  |





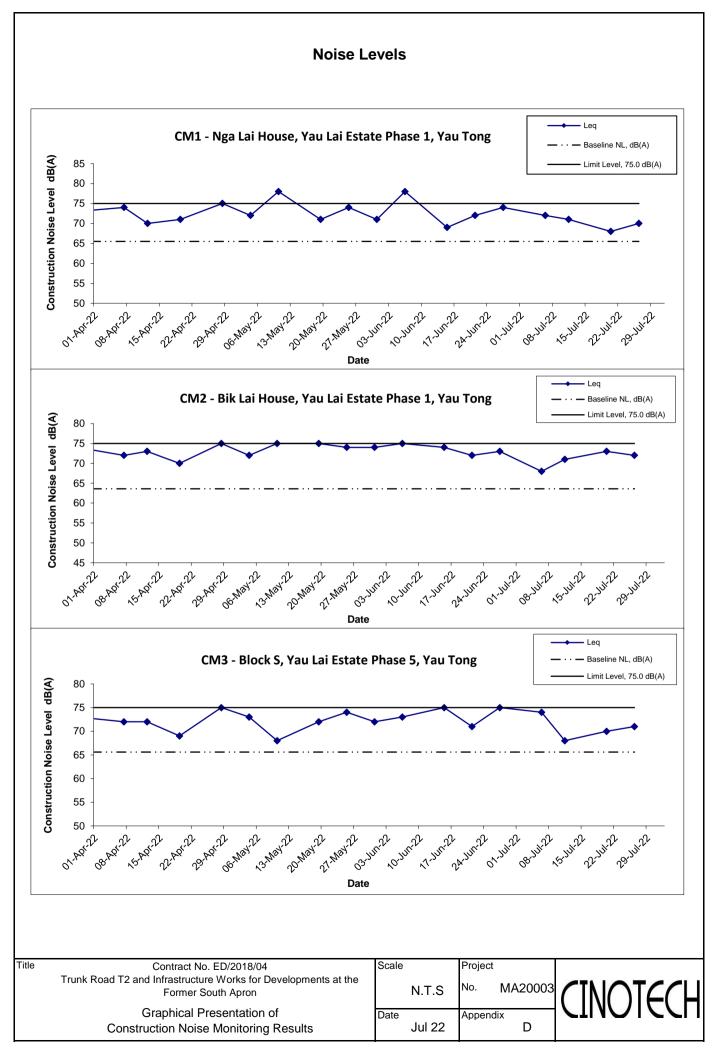


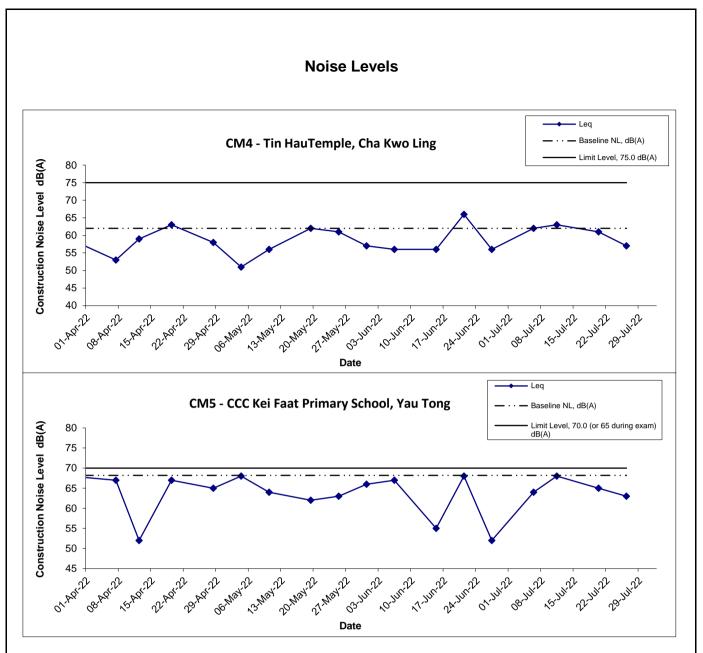
Notes:

- 1) The major activitie(s) being carried out on site during the reporting period is/are presented in Section 1.10
- 2) The weather conditions during the reporting month are presented in Section 3.1.
- 3) Other factors which might affect the monitoring results are presented in Section 3.16.
- 4) In June 2022, the 24 TSP Monitoring at AM4(A) and is suspended and under application for relocation. Once the proposal for relocation is approved, the monitoring at AM4(A) will be conducted at AM4(B). For the time being, as the station CKL2 for the 24 hr TSP monitoring, carried out under EM&A works for Trunk Road T2 Project (EP-451/2013), is located in close proximity to AM4(A); the results from CKL2 are adopted as reference for the 24 TSP monitoring at AM4(A), which has similar environment when compared with that for CKL2.

| Contract No. ED/2018/04  | Scale |        | Project  |       |          |
|--|-------|--------|----------|-------|----------|
| Trunk Road T2 and Infrastructure Works for Developments at the<br>Former South Apron | 1     | N.T.S  | No. MA   | 20003 | CINOTCOL |
| Graphical Presentation of 24-hour TSP Monitoring Results                             | Date  | Jul-22 | Appendix | С     | CINCIECH |

APPENDIX D GRAPHICAL PRESENTATION OF NOISE MONITORING RESULTS





Notes:

- 1. The major activitie(s) being carried out on site during the reporting period is/are presented in Section 1.10
- 2. The weather conditions during the reporting month are presented in Section 3.1.
- 3. Other factors which might affect the monitoring results are presented in Section 3.16.

| Title | Contract No. ED/2018/04  | Scale |        | Project |          |  |
|-------|--|-------|--------|---------|----------|--|
|       | Trunk Road T2 and Infrastructure Works for Developments at the<br>Former South Apron |       | N.T.S  | No.     | MA20003  |  |
|       | Graphical Presentation of<br>Construction Noise Monitoring Results                   | Date  | Jul 22 | Append  | dix<br>D |  |

APPENDIX F SITE AUDIT SUMMARY

## Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Quarterly EM&A Report

## Appendix F - Site Audit Summary

<u>May 2022</u>

| Items  | Date        | Status* | Follow up Action                        |  |
|--|-------------|---------|---|--|
| Water Quality  |             |         |   |  |
| Stagnant muddy water was observed.   | 26 May 2022 | #       | Follow-up on the next reporting period. |  |
| Ecology  |             | -       |   |  |
|  |             |         |   |  |
| Noise  |             |         |   |  |
|  |             |         |   |  |
| Landscape and Visual   |             |         |   |  |
| -  |             |         |   |  |
| Air Quality  |             |         |   |  |
|  |             |         |   |  |
| Waste / Chemical Management  |             |         |   |  |
| Drip tray should be provided to prevent leaked oil from<br>entering drainage system during handling of chemical. | 12 May 2022 | ~       | Item was rectified on 19 May 2022.      |  |
| Impact on Cultural Heritage  |             |         |   |  |
|  |             |         |   |  |
| Permits / Licenses   |             |         |   |  |
|  |             |         |   |  |

✔ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

X Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

• Non-compliance but improved by the contractor

## Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Quarterly EM&A Report

## Appendix F - Site Audit Summary

June 2022

| Items   | Date         | Status* | Follow up Action                     |  |  |
|---|--------------|---------|--------------------------------------|--|--|
| Water Quality   |              |         |                                      |  |  |
| Stagnant muddy water was observed.  | 26 May 2022  | ~       | Item was rectified on 02 June 2022.  |  |  |
| Noise   |              |         | •                                    |  |  |
|   |              |         |                                      |  |  |
| Landscape and Visual  |              |         | •                                    |  |  |
|   |              |         |                                      |  |  |
| Air Quality   |              |         |                                      |  |  |
|   |              |         |                                      |  |  |
| Waste / Chemical Management   |              |         |                                      |  |  |
| Oil stain was observed near generator. Contractor is<br>suggested to prepare an emergency spill kit as to<br>clean up spills of oil /chemical.<br>Oil /Chemical was stored at different container.<br>Designated area for chemical storage should be<br>provided for proper storage of chemical /oil. | 30 June 2022 | #       | Follow monthup on the next reporting |  |  |
| Chemical waste producer license should be displayed properly  |              |         |                                      |  |  |
| Impact on Cultural Heritage   |              | •       | •                                    |  |  |
|   |              |         |                                      |  |  |
| Permits / Licenses  |              |         |                                      |  |  |
|   |              |         |                                      |  |  |

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

\* Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

• Non-compliance but rectified by the contractor

## Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Quarterly EM&A Report

## Appendix F - Site Audit Summary

July 2022

| Items   | Date         | Status* | Follow up Action                    |
|---|--------------|---------|-------------------------------------|
| Water Quality   |              |         |                                     |
|   |              |         |                                     |
| Noise   |              |         |                                     |
|   |              |         |                                     |
| Landscape and Visual  |              |         |                                     |
|   |              |         |                                     |
| Air Quality   |              |         |                                     |
|   |              |         |                                     |
| Waste / Chemical Management   |              |         |                                     |
| Oil stain was observed near generator. Contractor is                                |              |         |                                     |
| suggested to prepare an emergency spill kit as to clean up spills of oil /chemical. |              | ~       | Item was rectified on 07 July 2022. |
| Oil /Chemical was stored at different container.                                    | 20 1 2022    |         |                                     |
| Designated area for chemical storage should be                                      | 30 June 2022 | ~       | Item was rectified on 07 July 2022  |
| provided for proper storage of chemical /oil.                                       |              |         |                                     |
| Chemical waste producer license should be displayed properly                        |              | ~       | Item was rectified on 07 July 2022  |
| Drip tray should be provided to prevent leaked oil from entering drainage system.   | 21 July 2022 | ~       | Item was rectified on 28 July 2022. |
| Impact on Cultural Heritage   |              |         |                                     |
|   |              |         |                                     |
|   |              |         |                                     |
| Permits / Licenses  |              |         |                                     |
|   |              |         |                                     |

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

\* Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

• Non-compliance but rectified by the contractor

APPENDIX G ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

## Table I - Recommended Mitigation Measures stipulated in EM&A Manual for the Project

| EIA Ref. / EP<br>Submission | Recommended Mitigation Measures   | Objectives of the recommended Measures<br>& Main Concerns to address | Who to implement the measures? | Location of the<br>measures    | When to Implement the measures? | What requirements or standards for the measures to achieve?      |
|-----------------------------|---|--|--------------------------------|--------------------------------|---------------------------------|--|
| Air Quality                 |   |  |                                |                                |                                 |  |
| S3.8.1                      | Watering eight times a day on active works areas, exposed areas and paved haul roads  | To minimize the dust impact  | Contractor                     | All Active Work Sites          | Construction phase              | АРСО   |
| \$3.8.1                     | Enclosing the unloading process at barging point by a 3-sided screen with top tipping hall / mixing area in Work Area A, provision of water spraying and flexible dust curtains   | To minimize the dust impact  | Contractor                     | Barging Points                 | Construction phase              | АРСО   |
| S3.8.7                      | <ul> <li>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.</li> <li>Use of frequent watering for particularly dusty construction areas and areas close to ASRs</li> <li>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.</li> <li>Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.</li> <li>Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.</li> <li>Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.</li> <li>Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading area of barging point, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods.</li> <li>Provision of not less than 2.4m high hoarding from ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit.</li> <li>Imposition of speed controls for vehicles on site haul roads.</li> <li>Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs</li> <li>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.</li> <li>Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise.</li> </ul> | To minimize the dust impact  | Contractor                     | All Construction Work<br>Sites | Construction phase              | APCO and Air Pollution Control<br>(Construction Dust) Regulation |
| /                           | <ul> <li>Emission from Vehicles and Plants</li> <li>All vehicles shall be shut down in intermittent use.</li> <li>Only well-maintained plant should be operated on-site and plant should be serviced regularly to avoid emission of black smoke.</li> <li>All diesel fuelled construction plant within the works areas shall be powered by ultra low sulphur diesel fuel (ULSD)</li> </ul>  | Reduce air pollution emission from construction vehicles and plants  | Contractor                     | All construction sites         | Construction stage              | АРСО   |
| /                           | Valid No-road Mobile Machinery (NRMM) labels should be provided to regulated machines   | Reduce air pollution emission from construction vehicles and plants  | Contractor                     | All construction sites         | Construction stage              | АРСО   |

| EIA Ref. / EP<br>Submission     | Recommended Mitigation Measures  | Objectives of the recommended Measures<br>& Main Concerns to address                   | Who to implement the measures? | Location of the measures | When to Implement the measures? | What requirements or standards for the measures to achieve? |  |  |
|---------------------------------|--|--|--------------------------------|--------------------------|---------------------------------|---|--|--|
| Noise Impact (Cons              | Noise Impact (Construction Phase)  |  |                                |                          |                                 |   |  |  |
| S4.8                            | • Use of quiet PME. Use of movable noise barriers for Excavator, Lorry, Dump<br>Truck, Mobile Crane, Compactor, Concrete Mixer Truck, Concrete Lorry Mixer,<br>Breaker, Mobile Crusher, Backhoe, Vibratory Poker, Saw, Asphalt Paver, Vibratory<br>Roller, Vibrolance, Hydraulic Vibratory Lance and Piling (Vibration Hammer). Use of<br>full enclosure for Air Compressor, Compressor, Bar Bender, Generator, Drilling Rig,<br>Chisel, Large Diameter Bore Piling, Grout Mixer & Pump and Concrete Pump.   | To minimize construction noise impact arising<br>from the Project at the affected NSRs | Contractor                     | Work Sites               | Construction phase              | EIAO-TM, NCO  |  |  |
| Noise Mitigation Plan           | Use of Temporary Noise Barriers (i.e Acoustic box, SilentUp and etc.) or Full Enclosure for PME according to the approved Noise Mitigation Plan  | To minimize construction noise impact arising<br>from the Project at the affected NSRs | Contractor                     | Work Sites               | Construction phase              | EIAO-TM, NCO  |  |  |
| S4.9                            | <ul> <li>Good Site Practice</li> <li>Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program</li> <li>Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program.</li> <li>Mobile plant, if any, should be sited as far away from NSRs as possible.</li> <li>Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum.</li> <li>Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.</li> <li>Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.</li> </ul> | To minimize construction noise impact arising from the Project at the affected NSRs    | Project Proponent              | Work sites               | Construction Period             | EIAO-TM, NCO  |  |  |
| S4.9                            | Scheduling of Construction Works during School Examination Period  | To minimize construction noise impact arising<br>from the Project at the affected NSRs | Contractor                     | Work site near school    | Construction phase              | EIAO-TM, NCO  |  |  |
| Water Quality Imp               | net (Construction Phase)   |  |                                |                          |                                 |   |  |  |
| \$5.6.24                        | The dry density of filling material for the TKO-LT Tunnel reclamation should be $1,900$ kg/m <sup>3</sup> , with fine content of 25% or less   | Control potential impacts from filling activities                                      | CEDD's Contractors             | Work site                | Construction Phase              | EIAO-TM, WPCO   |  |  |
| S5.8.1                          | Non-dredged method by constructing steel cellular caisson structure with stone column shall be adopted for construction of seawall foundation. During the stone column installation (also including the installation of steel cellular caisson), silt curtain shall be employed around the active stone column installation points.  | Control potential impacts from filling activities                                      | CEDD's Contractors             | Work site                | Construction Phase              | EIAO-TM, WPCO   |  |  |
| S5.8.2                          | Formation of seawall enclosing the reclamation for Road P2 (notwithstanding an opening of about 50m for marine access) shall be completed prior to the filling activities. The seawall opening of about 50m wide for marine access shall be selected at a location as indicatively shown in Appendix 5.10. No more than 3 filling barge trips per day shall be made with a maximum daily rate of 3,000m <sup>3</sup> (i.e. 1,000 m <sup>3</sup> per trip) for the filling operation at the reclamation area for Road P2. All filling works shall be carried out behind the seawall with the use of single silt curtain at the marine access.   | Control potential impacts from filling activities                                      | CEDD's Contractors             | Work site                | Construction Phase              | EIAO-TM, WPCO   |  |  |
| Silt Curtain Deployment<br>Plan | <ul> <li>Silt curtains should be deployed properly to surround the works area.</li> <li>Maintenance of silt curtain should be provided.</li> <li>Sufficient stock of silt curtain should be provided on site.</li> </ul>   | Control potential impacts from marine woroks   | Contractor                     | NE/2015/01               | Construction stage              | EIAO  |  |  |

| EIA Ref. / EP<br>Submission | Recommended Mitigation Measures  | Objectives of the recommended Measures<br>& Main Concerns to address                  | Who to implement the measures? | Location of the<br>measures | When to Implement the measures?        | What requirements or standards for the measures to achieve? |
|-----------------------------|--|---|--------------------------------|-----------------------------|--|---|
| S5.8.3                      | <ul> <li>Other good site practices should be undertaken during filling operations include: <ul> <li>all marine works should adopt the environmental friendly construction methods as far as practically possible including the use of cofferdams to cover the construction area to separate the construction works from the sea;</li> <li>floating single silt curtain shall be employed for all marine works;</li> <li>all vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash;</li> <li>all hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material;</li> <li>excess material shall be cleaned from the decks and exposed fittings of barges before the vessel is moved;</li> <li>adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action;</li> <li>loading of barges and hoppers should be controlled to prevent splashing of filling 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;</li> <li>any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes;</li> </ul> </li> <li>construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site or dumping grounds; and</li> <li>before commencement of the reclamation works, the holder of Environmental Permit has to submit plans showing the phased construction of the reclamation, design and operation of the silt curtain.</li> </ul> | Control potential impacts from filling activities<br>and marine-based construction    | CEDD's Contractors             | Work site                   | Construction Phase                     | EIAO-TM, WPCO, Waste Disposal<br>Ordinance (WDO)            |
| S5.8.4                      | Site specific mitigation plan for reclamation areas using public fill materials should be submitted for EPD agreement before commencement of construction phase with due consideration of good site practices.   | Control potential impacts from filling activities<br>and marine based construction    | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| ERR S5.6.1                  | <ul> <li>To minimize water quality impact arising from the dredging and filling works for Reclamation for Road P2, the following mitigation measures shall be implemented: <ul> <li>Before carrying out any dredging and underwater filling works, a temporary barrier shall first be constructed to a height above the high water mark to completely enclose the works site (without any opening at the barrier wall)</li> <li>The temporary barrier fully enclosing the dredging and underwater filling works site shall not be removed before completion of all dredging and underwater filling works.</li> <li>Water quality sampling and testing shall be carried out to demonstrate that the water quality inside the enclosed barrier is comparable to the ambient or baseline levels prior to the removal of the fully enclosed barrier.</li> <li>Silt curtains shall be deployed for the installation and removal of the temporary barrier and at the double water gates marine access opening during its operation.</li> </ul> </li> </ul>   | Control potential impacts from dredging and filling works for Reclamation for Road P2 | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.5                      | It is important that appropriate measures are implemented to control runoff and drainage and prevent high loading of SS from entering the marine environment. Proper site management is essential to minimise surface water runoff, soil erosion and sewage effluents.   | Control potential impacts from construction site runoff and land-based construction   | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.6                      | Any practical options for the diversion and realignment of drainage should comply with both engineering and environmental requirements in order to ensure adequate hydraulic capacity of all drains.   | Control potential impacts from construction site runoff and land-based construction   | CEDD's Contractors             | Work site                   | Design Stage and<br>Construction Phase | ProPECC PN 1/94, EIAOTM, WPCO,<br>TM-DSS                    |

| EIA Ref. / EP<br>Submission | Recommended Mitigation Measures   | Objectives of the recommended Measures<br>& Main Concerns to address                | Who to implement the measures? | Location of the<br>measures | When to Implement the measures? | What requirements or standards for the measures to achieve? |
|-----------------------------|---|---|--------------------------------|-----------------------------|---------------------------------|---|
| S5.8.7                      | Construction site runoff and drainage should be prevented or minimised in accordance with the guidelines stipulated in the EPD's Practice Note for Professional Persons, Construction Site Drainage (ProPECC PN 1/94). Good housekeeping and stormwater best management practices, as detailed in below, should be implemented to ensure that all construction runoff complies with WPCO standards and no unacceptable impact on the WSRs arises due to construction of the TKO-LT Tunnel. All discharges from the construction site should be controlled to comply with the standards for effluents discharged into the corresponding WCZ under the TM-DSS | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO,<br>TM-DSS                    |
| S5.8.8<br>S5.8.8            | Exposed soil areas should be minimised to reduce the potential for increased siltation,<br>contamination of runoff, and erosion. Construction runoff related impacts associated with the<br>above ground construction activities can be readily controlled through the use of appropriate<br>mitigation measures which include:<br>• use of sediment traps; and   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO                               |
| \$5.8.8                     | <ul> <li>adequate maintenance of drainage systems to prevent flooding and overflow.</li> </ul>  |   |                                |                             |                                 |   |
| S5.8.9                      | Construction site should be provided with adequately designed perimeter channel and pretreatment facilities and proper maintenance. The boundaries of critical areas of earthworks should be marked and surrounded by dykes or embankments for flood protection. Temporary ditches should be provided to facilitate runoff discharge into the appropriate watercourses, via a silt retention pond. Permanent drainage channels should incorporate sediment basins or traps and baffles to enhance deposition rates. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94.                    | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.10                     | Ideally, construction works should be programmed to minimise surface excavation works during the rainy season (April to September). All exposed earth areas should be completed as soon as possible after 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.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO                               |
| \$5.8.11                    | Sedimentation tanks of sufficient capacity, constructed from pre-formed individual cells of approximately 6 to 8m <sup>3</sup> capacity, are recommended as a general mitigation measure which can be used for settling surface runoff prior to disposal. The system capacity is flexible and able to handle multiple inputs from a variety of sources and particularly suited to applications where the influent is pumped.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO                               |
| \$5.8.12                    | Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO                               |
| \$5.8.13                    | Measures should be taken to minimize the ingress of rainwater into trenches. If excavation of trenches in wet seasons is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO                               |
| <b>S</b> 5.8.14             | Open stockpiles of construction materials (for examples, aggregates, sand and fill material) of more than 50m <sup>3</sup> 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.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.15                     | Manholes (including newly constructed ones) should always be adequately covered and<br>temporarily sealed so as to prevent silt, construction materials or debris being washed into the<br>drainage system and storm runoff being directed into foul sewers. Discharge of surface run-off<br>into foul sewers must always be prevented in order not to unduly overload the foul sewerage<br>system.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.16                     | Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecast, and actions to be taken 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, especially for areas located near steep slopes.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase              | ProPECC PN 1/94, EIAOTM, WPCO                               |

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| S5.8.17                           | Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.18                           | 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 located wheel washing bay should be provided at every site exit, and washwater 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 wheelwash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.19                           | Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.20                           | It is recommended that on-site drainage system should be installed prior to the commencement<br>of other construction activities. Sediment traps should be installed in order to minimise the<br>sediment loading of the effluent prior to discharge into foul sewers. There shall be no direct<br>discharge of effluent from the site into the sea.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.21                           | All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge should be adequately designed for the controlled release of storm flows. All sediment control measures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rain storms. The temporarily diverted drainage should be reinstated to its original condition when the construction work has finished or the temporary diversion is no longer required.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO                               |
| \$5.8.22                          | All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO                               |
| \$5.8.23                          | Minimum distances of 100m shall be maintained between the existing or planned stormwater discharges and the existing or planned seawater intakes during construction and operational phases  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | EIAO-TM, WPCO, TMDSS  |
| S5.8.24                           | Under normal circumstances, groundwater pumped out of wells, etc. for the lowering of ground water level in basement or foundation construction, and groundwater seepage pumped out of tunnels or caverns under construction should be discharged into storm drains after the removal of silt in silt removal facilities.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.25 - S5.8.27 &<br>Table 5.18 | Grouting would be adopted as measure to reduce the groundwater inflow into the tunnel.<br>During the tunnel excavation, the inflow rate of groundwater into the tunnel will be measured<br>during the excavation. The groundwater levels above the tunnel will also be monitored by<br>piezometers. If the inflow rate exceeds the pre-determined groundwater control criteria or the<br>groundwater drawdown exceeds the required limit, pre-excavation grouting will be required to<br>reduce the groundwater inflow. No significant change of groundwater levels would therefore<br>be expected. Any chemicals/ foaming agents which would be entrained to the groundwater<br>should be biodegradable and non-toxic throughout the tunnel construction. Potential<br>groundwater quality impact would be minimal as the used material is non-toxic and<br>biodegradable. No adverse groundwater quality would therefore be expected. Prescriptive<br>measures in the form of an Action Plan with pre-emptive and re-active to preserve the<br>groundwater levels at all times during the tunnel construction are set out in Table 5.18. | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO,<br>Buildings Ordinance       |
| S5.8.28                           | Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be recirculated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Design Stage and<br>Construction Phas | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.29 - S5.8.31                 | Wastewater generated from the washing down of mixing trucks and drum mixers and similar equipment should whenever practicable be recycled. The discharge of wastewater should be kept to a minimum. To prevent pollution from wastewater overflow, the pump sump of any water recycling system should be provided with an online standby pump of adequate capacity and with automatic alternating devices. Under normal circumstances, surplus wastewater may be discharged into foul sewers after treatment in silt removal and pH adjustment facilities (to within the pH range of 6 to 10). Disposal of wastewater into storm drains will require more elaborate treatment.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO                               |
| \$5.8.32                          | All vehicles and plant should be cleaned before they leave a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. A wheel washing bay should be provided at every site exit if practicable and wash-water should have sand and silt settled out or removed before discharging into storm drains. The section of construction road between the wheel washing bay and the public road should be paved with backfall to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                    | ProPECC PN 1/94, EIAOTM, WPCO                               |

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| S5.8.33                     | Bentonite slurries used in diaphragm wall and borepile construction should be reconditioned<br>and reused wherever practicable. If the disposal of a certain residual quantity cannot be<br>avoided, the used slurry may be disposed of at the marine spoil grounds subject to obtaining a<br>marine dumping licence from EPD on a case-by-case basis.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.34                     | If the used bentonite slurry is intended to be disposed of through the public drainage system, it should be treated to the respective effluent standards applicable to foul sewer, storm drains or the receiving waters as set out in the WPCO Technical Memorandum on Effluent Standards.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| \$5.8.35                    | Water used in water testing to check leakage of structures and pipes should be reused for other purposes as far as practicable. Surplus unpolluted water could be discharged into storm drains.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| <b>\$5.8.36</b>             | Sterilization is commonly accomplished by chlorination. Specific advice from EPD should be sought during the design stage of the works with regard to the disposal of the sterilizing water. The sterilizing water should be reused wherever practicable.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Design Stage and<br>Construction Phase | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.37                     | Before commencing any demolition works, all sewer and drainage connections should be sealed to prevent building debris, soil, sand etc. from entering public sewers/drains.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.38                     | Wastewater generated from building construction activities including concreting, plastering, internal decoration, cleaning of works and similar activities should not be discharged into the stormwater drainage system. If the wastewater is to be discharged into foul sewers, it should undergo the removal of settleable solids in a silt removal facility, and pH adjustment as necessary  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.39                     | Acidic wastewater generated from acid cleaning, etching, pickling and similar activities should<br>be neutralized to within the pH range of 6 to 10 before discharging into foul sewers. If there<br>is no public foul sewer in the vicinity, the neutralized wastewater should be tinkered off site<br>for disposal into foul sewers or treated to a standard acceptable to storm drains and the<br>receiving waters   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.40                     | Wastewater collected from canteen kitchens, including that from basins, sinks and floor drains, should be discharged into foul sewer via grease traps capable of providing at least 20 minutes retention during peak flow.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.41                     | Drainage serving an open oil filling point should be connected to storm drains via a petrol interceptor with peak storm bypass.   | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.42                     | Vehicle and plant servicing areas, vehicle wash bays and lubrication bays should as far as possible be located within roofed areas. The drainage in these covered areas should be connected to foul sewers via a petrol interceptor. Oil leakage or spillage should be contained and cleaned up immediately. Waste oil should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance.  | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |
| S5.8.43                     | Construction work force sewage discharges on site are expected to be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage may need to be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor shall also be responsible for waste disposal and maintenance practices. | Control potential impacts from construction site runoff and land-based construction | CEDD's Contractors             | Work site                   | Construction Phase                     | ProPECC PN 1/94, EIAOTM, WPCO                               |

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| S5.8.44                     | Contractor must 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.  | Control potential impacts from accidental spillage of chemicals   | CEDD's Contractors             | Work site                   | Construction Phase              | EIAO-TM, WPCO, WDO  |
| S5.8.45                     | 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.  | Control potential impacts from accidental spillage of chemicals   | CEDD's Contractors             | Work site                   | Construction Phase              | EIAO-TM, WPCO   |
| S5.8.46                     | <ul> <li>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: <ul> <li>suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport;</li> <li>chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and</li> <li>storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.</li> </ul> </li> </ul>  | Control potential impacts from accidental spillage of chemicals   | CEDD's Contractors             | Work site                   | Construction Phase              | EIAO-TM, WPCO, WDO  |
| S5.8.47                     | Collection and removal of floating refuse should be performed at regular intervals on a daily basis. The contractor should be responsible for keeping the water within the site boundary and the neighbouring water free from rubbish.  | Control potential impacts from floating refuse<br>and debris  | CEDD's Contractors             | Work site                   | Construction Phase              | EIAO-TM, WPCO,  |
| Ecological Impact           |   |   |                                | -                           |                                 |   |
| S6.8.4                      | <ul> <li>Measures to Minimize Disturbance</li> <li>Use of Quiet Mechanical Plant during the construction phase should be adopted wherever possible.</li> <li>Hoarding or fencing should be erected around the works area boundaries during the construction phase. The hoarding would screen adjacent habitats from construction phase activities, reduce noise disturbance to these habitats and also to restrict access to habitats adjacent to works areas by site workers;</li> <li>Regular spraying of haul roads to minimize impacts of dust deposition on adjacent vegetation and habitats during the construction activities</li> </ul>   | Minimize noise, human and traffic disturbance<br>to terrestrial habitat and wildlife; and reduce<br>dust generation | Design Team /<br>Contractor    | Land-based works are        | Construction Phase              | N/A   |
| S6.8.5                      | <ul> <li>Standard Good Site Practice</li> <li>Placement of equipment or stockpile in designated works areas and access routes selected on existing disturbed land to minimise disturbance to natural habitats.</li> <li>Construction activities should be restricted to works areas that should be clearly demarcated. The works areas should be reinstated after completion of the works.</li> <li>Waste skips should be provided to collect general refuse and construction wastes. The wastes should be properly disposed off-site in a timely manner.</li> <li>General drainage arrangements should include sediment and oil traps to collect and control construction site run-off.</li> <li>Open burning on works sites is illegal, and should be strictly prohibited.</li> <li>Measures should also be put into place so that litter, fuel and solvents do not enter the nearby watercourses.</li> </ul> | Reduce disturbance to surrounding habitats  | Contractor                     | Land-based works are        | Construction Phase              | N/A   |
| S6.8.6                      | <ul> <li>Measure to Minimize Groundwater Inflow</li> <li>The drained tunnel construction method with groundwater inflow control measures would generally be adopted.</li> <li>During the tunnel excavation, pre-excavation grouting could be adopted to reduce the groundwater inflow and ensure that the tunnel would meet the long term water tightness requirements.</li> </ul>  | Minimize groundwater inflow   | Contractor                     | Tunnel                      | Construction Phase              | N/A   |

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|-----------------------------|---|--|---|--|--|
| S6.8.8                      | <ul> <li>Measure to Minimize Impact on Corals Coral translocation <ul> <li>It is recommended to translocate the affected coral colonies, except the locally common <i>Oulastrea crispata</i>, within the reclamation area and bridge footprint to the other suitable locations as far as practicable. <ul> <li>The coral translocation should be conducted during the winter months (November-March) in order to avoid disturbance during their spawning period (i.e. July to October).</li> <li>A detailed coral translocation plan with a description on the methodology for pretranslocation coral survey, translocation methodology, identification/proposal of coral recipient site, monitoring methodology for posttranslocation should be prepared during the detailed design stage. <ul> <li>The coral translocation plan should be subject to approval by relevant authorities (e.g. EPD and AFCD) before commencement of the coral translocation. All the translocation exercises should be conducted by experienced marine ecologist(s) who</li> </ul></li></ul></li></ul></li></ul> | Minimize loss of coral   | Design team, contractor, project operator | Within reclamation areas<br>and pier footprint |  |
|                             | <ul> <li>is/are approved by AFCD prior to commencement of coral translocation.</li> <li>Post translocation Monitoring <ul> <li>A coral monitoring programme is recommended to assess any adverse and unacceptable impacts to the translocated coral communities</li> <li>Information gathered during each posttranslocation monitoring survey should include observations on the presence, survival, health condition and growth of the translocated coral colonies. These parameters should then be compared with the baseline results collected from the pre-translocation survey.</li> </ul> </li> </ul>   |  |   |  |  |
| S6.8.9 S6.8.10              | <ul> <li>Measure to Control Water Quality Impact</li> <li>Deployment of silt curtains around the active stone column installation points, opening of newly installed seawall and marine works area.</li> <li>Diverting of the site runoff to silt trap facilities before discharging into storm drain;</li> <li>Proper waste and dumping management; and</li> <li>Standard good-site practice for land-based construction.</li> </ul>   | Control water quality impact, especially on<br>suspended solid level; minimize the<br>contamination of wastewater discharge,<br>accidental chemical spillage and construction<br>site runoff to the receiving water bodies | Design Team, contractor                   | Marine and landbased<br>works area             |  |
| \$6.8.11                    | <ul> <li>Compensation for Vegetation Loss</li> <li>Felling of mature trees should be compensated by planting of standard or heavy standard trees within or in vicinity of the affected area as far as practicable. Such compensatory planting for trees should be provided with at least a 1:1 ratio. In addition, vegetation at the temporarily affected area should be reinstated with species similar to the existing condition.</li> </ul>  | Compensate for the vegetation loss   | Design Team, contractor                   | Land-based works area                          |  |
| <b>Fisheries Impact</b>     |   | -  |   | -  |  |
| \$7.7.3                     | <ul> <li>Measure to Control Water Quality Impact</li> <li>Deployment of silt curtains around the active stone column installation points, opening of newly installed seawall and marine works area.</li> </ul>  | Control water quality impact, especially on<br>suspended solid level   | Design Team /<br>Contractor               | Marine work area                               |  |
| Waste Managemen             | t (Construction Phase)  |  |   |  |  |
| S8.6.3                      | <ul> <li>Good Site Practices and Waste Reduction Measures</li> <li>Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site;</li> <li>Training of site personnel in site cleanliness, proper waste management and chemical handling procedures;</li> <li>Provision of sufficient waste disposal points and regular collection of waste;</li> <li>Appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and</li> <li>Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.</li> </ul>  | To reduce waste management impacts   | Contractor                                | All work sites                                 |  |

|     | When to Implement the measures? | What requirements or standards for the measures to achieve? |
|-----|---------------------------------|---|
| eas | Prior construction              | N/A   |
| b   | Construction phase              | WQO   |
| a   | Construction phase              | N/A   |
|     | Construction phase              | WQO   |
|     |                                 |   |
|     |                                 | Waste Disposal Ordinance (Cap. 354)                         |
|     | Construction Phase              | Land (Miscellaneous Provisions)<br>Ordinance (Cap. 28)      |

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| S8.6.4                           | <ul> <li>Good Site Practices and Waste Reduction Measures (con't)</li> <li>Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;</li> <li>Encourage collection of aluminium cans by providing separate labelled bins to</li> </ul>   | To achieve waste reduction   | Contractor                     | All work sites              | Construction Phase              | Waste Disposal Ordinance (Cap. 354)                         |
|                                  | <ul> <li>Proper storage and site practices to minimize the potential for damage or contamination of construction materials; and</li> <li>Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.</li> </ul>  |  | Contractor                     |                             |                                 | Land (Miscellaneous Provisions)<br>Ordinance (Cap. 28)      |
| S8.6.5                           | Good Site Practices and Waste Reduction Measures (con't)<br>The Contractor shall prepare and implement a WMP as part of the EMP in accordance with<br>ETWB TCW No. 19/2005 which describes the arrangements for avoidance, reuse, recovery,<br>recycling, storage, collection, treatment and disposal of different categories of waste to be<br>generated from the construction activities. Such a management plan should incorporate site<br>specific factors, such as the designation of areas for segregation and temporary storage of<br>reusable and recyclable materials. The EMP should be submitted to the Engineer for approval.<br>The Contractor should implement the waste management practices in the EMP throughout the<br>construction stage of the Project. The EMP should be reviewed regularly and updated by the<br>Contractor.                    | To achieve waste reduction   | Contractor                     | All work sites              | Construction Phase              | ETWB TCW No. 19/2005  |
| S8.6.6                           | <ul> <li>Good Site Practices and Waste Reduction Measures (con't)</li> <li>C&amp;D materials would be reused in the project and other local concurrent projects as far as possible.</li> </ul>  | To achieve waste reduction   | Contractor                     | All work sites              | Construction Phase              | ETWB TCW No. 19/2005  |
| S8.6.7                           | <ul> <li>Storage, Collection and Transportation of Waste</li> <li>Should any temporary storage or stockpiling of waste is required, recommendations to minimize the impacts include: <ul> <li>Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimizing the potential of pollution;</li> <li>Maintain and clean storage areas routinely;</li> <li>Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; and</li> <li>Different locations should be designated to stockpile each material to enhance reuse.</li> </ul> </li> </ul>   | To minimize potential adverse environmental impacts arising from waste storage                       | Contractor                     | All work sites              | Construction Phase              | ETWB TCW No. 19/2005  |
| S8.6.8/ Waste<br>Management Plan | <ul> <li>Storage, Collection and Transportation of Waste (con't)</li> <li>Remove waste in timely manner;</li> <li>Waste collectors should only collect wastes prescribed by their permits;</li> <li>Impacts during transportation, such as dust and odour, should be mitigated by the use of covered trucks or in enclosed containers;</li> <li>Obtain relevant waste disposal permits from the appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354), Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 345) and the Land (Miscellaneous Provisions) Ordinance (Cap. 28);</li> <li>Waste should be disposed of at licensed waste disposal facilities/ alternative disposal ground approved by RE and DEP; and</li> <li>Maintain records of quantities of waste generated, recycled and disposed.</li> </ul> | To minimize potential adverse environmental<br>impacts arising from waste collection and<br>disposal | Contractor                     | All work sites              | Construction Phase              | ETWB TCW No. 19/2005  |

| EIA Ref. / EP<br>Submission                 | Recommended Mitigation Measures   | Objectives of the recommended Measures<br>& Main Concerns to address                                 | Who to implement the measures? | Location of the measures               | When to Implement the measures? | What requirements or standards for the measures to achieve? |
|---|---|--|--------------------------------|--|---------------------------------|---|
| S8.6.9/ Waste<br>Management Plan            | <ul> <li>Storage, Collection and Transportation of Waste (con't)</li> <li>Implementation of trip ticket system with reference to DEVB TC(W) No. 6/2010,<br/>Trip Ticket System for Disposal of Construction &amp; Demolition Materials, to monitor<br/>disposal of waste and to control fly-tipping at PFRFs or landfills. A recording system for<br/>the amount of waste generated, recycled and disposed (including disposal sites) should</li> </ul>   | To minimize potential adverse environmental<br>impacts arising from waste collection and<br>disposal | Contractor                     | All work sites                         | Construction Phase              | DEVB TCW No. 6/2010   |
|   | be proposed. Sorting of C&D Materials   |  |                                |  |                                 |   |
| S8.6.11 - S8.6.13/ Waste<br>Management Plan | <ul> <li>Sorting to be performed to recover the inert materials, reusable and recyclable materials before disposal off-site.</li> <li>Specific areas shall be provided by the Contractors for sorting and to provide temporary storage areas for the sorted materials.</li> </ul>   | To minimize potential adverse environmental  | Contractor                     | All work sites                         | Construction Phase              | DEVB TCW No. 6/2010<br>ETWB TCW No. 33/2002                 |
| Management Fian                             | • The C&D materials should at least be segregated into inert and non-inert materials, in which the inert portion could be reused and recycled in the reclamation as far as practicable before delivery to PFRFs. While opportunities for reusing the non-inert portion should be investigated before disposal of at designated landfills  |  |                                |  |                                 | ETWB TCW No. 19/2005  |
| S8.6.17 – S8.6.20                           | <ul> <li>Sediments (con't) <ul> <li>Requirements of the Air Pollution Control (Construction Dust) Regulation, where relevant, shall be adhered to during boring, excavation, transportation and disposal of sediments or cement stabilization of sediment.</li> <li>A treatment area should be confined for carrying out the cement stabilization mixing and temporary stockpile. The area should be designed to prevent leachate from entering the ground. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO).</li> <li>In order to minimise the potential odour / dust emissions during boring, excavation and transportation of the sediment, the excavated sediments should be kept wet during excavation/boring and should be properly covered when placed on barges/trucks.</li> <li>Loading of the excavated sediment to the barge should be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water.</li> <li>In order to minimise the exposure to contaminated materials, workers should, when necessary, wear appropriate personal protective equipments (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities should also be provided on site.</li> </ul> </li> </ul> | To determine the best handling and treatment<br>of sediment  | Contractor                     | All works areas with sediments concern | Construction Phase              | ETWB TCW No. 19/2005  |

| EIA Ref. / EP<br>Submission                 | Recommended Mitigation Measures  | Objectives of the recommended Measures<br>& Main Concerns to address | Who to implement the measures? | Location of the measures                  | When to Implement the measures? | What requirements or standards for the measures to achieve?  |
|---|--|--|--------------------------------|---|---------------------------------|--|
| S8.6.24 - S8.6.28/<br>Waste Management Plan | <ul> <li>Sediments (con't) <ul> <li>The excavated sediments is expected to be loaded onto the barge and transported to the designated disposal sites allocated by the MFC. The excaveted sediment would be disposed of according to its determined disposal options and ETWB TC(W) No. 34/2002.</li> <li>Stockpiling of contaminated sediments should be avoided as far as possible. If temporary stockpiling of contaminated sediments is necessary, the excavated sediment should be covered by tarpaulin and the area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The stockpiling areas should be completely paved or covered by linings in order to avoid contamination to underlying soil or groundwater. Separate and clearly defined areas should be provided for stockpiling of contaminated and uncontaminated materials. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO).</li> <li>In order to minimise the potential odour / dust emissions during boring and transportation of the sediment, the excavated sediments should be kept wet during excavated sediment to the barge should be controlled to avoid splashing and overflowing of the sediment slury to the surrounding water.</li> <li>The barge transporting the sediments to the designated disposal sites should be equipped with tight fitting seals to prevent leakage and should not be filled to a level that would cause overflow of materials or laden water during loading or transportation. In addition, monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP.</li> <li>In order to minimise the exposure to contaminated materials, workers should, when necessary, wear appropriate personal protective equipments (PPE) when handling contaminated sediments. Adequate washing and cle</li></ul></li></ul> |  | Contractor                     | All works areas with<br>sediments concern | Construction Phase              | ETWB TC(W) No. 34/2002 &<br>Dumping at Sea Ordinance   |
| S8.6.26/ Waste<br>Management Plan           | Chemical Wastes. <ul> <li>If chemical wastes are produced at the construction site, the Contractor would be required to register with the EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall use a licensed collector to transport and dispose of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or other licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.</li> </ul>   | To ensure proper management of chemical<br>waste                     | Contractor                     | All works sites                           | Construction Phase              | Code of Practice on the Packaging,<br>Labelling and Storage of Chemical<br>Wastes<br>Waste Disposal (Chemical Waste)<br>(General) Regulation |

| EIA Ref. / EP<br>Submission                | Recommended Mitigation Measures  | Objectives of the recommended Measures<br>& Main Concerns to address | Who to implement the measures? | Location of the measures                       | When to Implement the measures?                            | What requirements or standards for the measures to achieve?                          |
|--|--|--|--------------------------------|--|--|--|
| S8.6.27/ Waste<br>Management Plan          | <ul> <li>General Refuse</li> <li>General refuse should be stored in enclosed bins or compaction units separate from C&amp;D material. A reputable waste collector should be employed by the contractor to remove general refuse from the site, separately from C&amp;D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown'</li> </ul>  | To ensure proper management of general refuse                        | Contractor                     | All works sites                                | Construction Phase   | Public Health and Municipal Services<br>Ordinance (Cap. 132)                         |
| Impact on Cultural                         | light material.<br>Heritage (Construction Phase)   |  |                                |  |  |  |
| Impact on Cuttural                         |  |  |                                |  |  |  |
| \$9.6.4                                    | <ul> <li>Dust and visual impacts</li> <li>Temporarily fenced off buffer zone with allowance for public access (minimum 1 m) should be provided;</li> <li>The open yard in front of the temple should be kept as usual for annual Tin Hau festival;</li> <li>Monitoring of vibration impacts should be conducted when the construction works are less than 100m from the temple.</li> </ul>   | To prevent dust and visual impacts                                   | Contractors                    | Work areas                                     | Construction Phase   | EIAO; GCHIA; AMO   |
| S9.6.4                                     | <ul> <li>Indirect vibration impact</li> <li>Vibration level is suggest to be controlled within a peak particle velocity (ppv) limit of 5mm/s measured inside the historical buildings;</li> <li>Monitoring of vibration should be carried out during construction phase.</li> <li>Tilting and settlement monitoring should will be applied on the Cha Kwo Ling Tin Hau Temple as well.</li> <li>A proposal with details for the mitigation measures and monitoring of impacts on built heritage shall be submitted to AMO for comments before commencement of work.</li> </ul> | To prevent indirect vibration impact                                 | Contractors                    | Work areas                                     | Construction Phase   | Vibration Limits on Heritage Buildings<br>by CEDD; GCHIA; AMO.                       |
| Built Heritage Mitigation<br>Plan          | <ul> <li>Established Alert, Alarm and Action Level for the monitoring parameters.</li> <li>To increase the instrumentation monitoring and reporting frequency.</li> <li>To propose detailed action plan or contingency plan for the Engineer's approval when AAA Level is reached or exceeded.</li> </ul>  | To prevent vibration impacts   | NE/2015/01                     | Tin Hau Temple                                 | Construction Phase   | Vibration Limits on Heritage Buildings<br>by CEDD; GCHIA; AMO.                       |
| Landscape and Visu                         | ual Impact (Construction Phase)  |  |                                |  |  |  |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM1 - Construction area and contractor's temporary works areas to be minimised to avoid impacts on adjacent landscape.   | Avoid impact on adjacent landscape areas                             | CEDD (via Contractor)          | General  | Construction planning<br>and during construction<br>period | N/A  |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM2 - Reduction of construction period to practical minimum.   | Minimise duration of impact  | CEDD (via Contractor)          | N/A  | Construction planning                                      | N/A  |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM3 - Topsoil, where the soil material meets acceptable criteria and where practical, to be<br>stripped and stored for re-use in the construction of the soft landscape works. The Contract<br>Specification shall include storage and reuse of topsoil as appropriate.  | To allow re-use of topsoil   | CEDD (via Contractor)          | General  | Site clearance   | As per the Particular Specification  |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM4 - Existing trees at boundary of site and retained trees within site boundary to be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification, under which the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. (Tree protection measures will be detailed at Tree Removal Application stage).                       | To minimize tree loss  | CEDD (via Contractor)          | As per approved Tree<br>Removal Application(s) | Site clearance and<br>throughout construction<br>period    | ETWB TC 3/2006 and as per tree<br>protection measures in Particular<br>Specification |

| EIA Ref. / EP<br>Submission                | Recommended Mitigation Measures  | Objectives of the recommended Measures<br>& Main Concerns to address | Who to implement the measures? | Location of the<br>measures   | When to Implement the measures?                 | What requirements or standards for the measures to achieve?                          |
|--|--|--|--------------------------------|---|---|--|
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM5 - Trees unavoidably affected by the works shall be transplanted where practicable.<br>Where possible, trees should be transplanted direct to permanent locations rather than<br>temporary holding nurseries. A detailed tree transplanting specification shall be provided in<br>the Contract Specification and sufficient time for preparation shall be allowed in the<br>construction programme.   | To maximize preservation of existing trees                           | CEDD (via Contractor)          | As per approved Tree<br>Removal Application(s)  | Site clearance                                  | ETWB TC 3/2006 and as per tree<br>protection measures in Particular<br>Specification |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM6 - Advance screen planting of fast growing tree and shrub species to noise barriers and hoardings. Trees shall be capable of reaching a height >10m within 10 years.  | To maximize screening of the works                                   | CEDD (via Contractor)          | At Lam Tin Interchange<br>and edge of Road P2<br>landscape deck, TKO  | Beginning of construction period                | N/A  |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM7 - Hydroseeding or sheeting of soil stockpiles with visually unobtrusive material   | To reduce visual intrusion   | CEDD (via Contractor)          | General   | Throughout construction period                  | As per Particular Specification  |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM8 - Control of night-time lighting by hooding all lights and through minimisation of night working periods.  | To reduce visual intrusion   | CEDD (via Contractor)          | General   | Throughout construction period                  | N/A  |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM9 - Screening of works areas with hoardings with appropriate colours compatible with the surrounding area  | Reduction of visual intrusion  | CEDD (via Contractor)          | Project site Boundary   | Excretion of site hoarding                      | N/A  |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM10 - Avoidance of excessive height and bulk of site buildings and structure  | Reduction of visual intrusion and integration<br>with environment    | CEDD (via Contractor)          | Built structures  | Design and construction stage                   | N/A  |
| Table 10.8.1/ Landscape<br>Mitigation Plan | CM11 - Limitation of run-off into freshwater streams, ponds and sea areas  | Avoidance of contamination of water courses<br>and water bodie       | CEDD (via Contractor)          | TKO reclamation, TKO<br>tunnel portal, Cha Kwo<br>Ling roadworks  | Throughout construction period                  | N/A  |
| Table 10.8.1                               | CM12 - Minimise area of reclamation and design the edges sensitively to tie in with adjacent coastline characte  | Minimise loss of Junk Bay and integration with<br>existing coastlin  | CEDD (via Contractor)          | Temporary reclamation<br>for barging points at<br>TKO and Lam Tin and<br>permanent reclamation<br>for TKO Interchange slip<br>roads and Road P2 | Construction planning<br>and reclamation stages | N/A  |
| Landfill Gas Hazar                         | d (Design and Construction Phase)  |  |                                |   |   |  |
| S11.5.9                                    | A Safety Officer, trained in the use of gas detection equipment and landfill gas-related hazards, should be present on site throughout the groundworks phase. The Safety Officer should be provided with an intrinsically safe portable instrument, which is appropriately calibrated and able to measure the following gases in the ranges indicated below:<br>Methane 0-100% LEL and 0100% v/v<br>Carbon dioxide 0-100%<br>Oxygen 0-21%  | Protect the workers from landfill gas hazards                        | Contractor                     | Project sites within the<br>Sai Tso Wan Landfill<br>Consultation Zone   | Construction phase                              | EPD's Landfill Gas Hazard Assessment<br>Guidance Note                                |
|  | <ul> <li>Safety Measures</li> <li>For staff who work in, or have responsibility for "at risk" area, such as all excavation workers, supervisors and engineers working within the Consultation Zone, should receive appropriate training on working in areas susceptible to landfill gas, fire and explosion hazards.</li> <li>An excavation procedure or code of practice to minimize landfill gas related risk should be devised and carried out.</li> <li>No worker should be allowed to work alone at any time in or near to any excavation. At least one other worker should be available to assist with a rescue if needed.</li> <li>Smoking, naked flames and all other sources of ignition should be prohibited within 15m of any excavation or ground-level confined space. "No smoking" and "No naked flame" notices should be designed for smoking.</li> <li>Welding, flame-cutting or other hot works should be confined to open areas at least 15m from any trench or excavation.</li> <li>Welding, flame-cutting or other hot works may only be carried out in trenches or confined spaces when controlled by a "permit to work" procedure, properly authorized by the Safety Officer (or, in the case of small developments, other appropriately qualified person).</li> </ul> |  |                                |   |   |  |

| EIA Ref. / EP<br>Submission      | Recommended Mitigation Measures   | Objectives of the recommended Measures<br>& Main Concerns to address | Who to implement the measures? | Location of the<br>measures   | When to Implement the measures? | What requirements or standards for the measures to achieve?  |
|----------------------------------|---|--|--------------------------------|---|---------------------------------|--|
| SIDIIISSION<br>S11.5.10 S11.5.25 | <ul> <li>The permit to work procedure should set down clearly the requirements for continuous monitoring for methane, carbon dioxide and oxygen throughout the period during which the hot works are in progress. The procedure should also require the presence of an appropriately qualified person, in attendance outside the 'confined area', who should be responsible for reviewing the gas measurements as they are made, and who should have executive responsibility for suspending the work in the event of unacceptable or hazardous conditions. Only those workers who are appropriately trained and fully aware of the potentially hazardous conditions which may arise should be permitted to carry out hot works in confined areas.</li> <li>Where there are any temporary site offices, or any other buildings located within the Sai Tso Wan Landfill Consultation Zone which have enclosed spaces with the capacity to accumulate landfill gas, then they should either be located in an area which has been proven to be free of landfill gas (by survey using portable gas detectors); or be raised clear of the ground by a minimum of 500mm. This aims to create a clear void under the structure which is ventilated by natural air movement such that emission of gas from the ground are mixed and diluted by air.</li> <li>Any electrical equipment, such as motors and extension cords, should be intrinsically safe. During piping assembly or conduiting construction, all valves/seals should be closed to prevent the migration of gases through the pipeline/conduit. All piping /conduiting should be capped at the end of each working day.</li> <li>Buring construction, adequate fire extinguishing equipment, fire-resistant clothing and breathing apparatus (BA) sets should be made available on site.</li> <li>Fire drills should be organized at not less than six monthly intervals.</li> <li>The contractor should formulate a health and safety policy, standards and instructions for site personel to follow.</li> </ul> | Protect the workers from landfill gas hazards                        | Contractor                     | Project sites within the<br>Sai Tso Wan Landfill<br>Consultation Zone | Construction phase              | EPD's Landfill Gas Hazard Assessment<br>Guidance Note Labour Department's<br>Code of Practice for Safety and Health at<br>Work in Confined Space |
| S11.5.10 S11.5.25                | <ul> <li>All personnel who work on the site and all visitors to the site should be made aware of the possibility of ignition of gas in the vicinity of excavations. Safety notices (in Chinese and English) should be posted at prominent position around the site warning danger of the potential hazards.</li> <li>Service runs within the Consultation Zone should be designated as "special routes "; utilities companies should be informed of this and precautionary measures should be implemented. Precautionary measures should include ensuring that staff members are aware of the potential hazards of working in confined spaces such as manholes and service chambers, and that appropriate monitoring procedures are in place to prevent hazards due to asphyxiating atmospheres in confined spaces. Detailed guidance on entry into confined spaces is given in Code of Practice on Safety and Health at Work in Confined Spaces (Labour Department, Hong Kong).</li> <li>Periodically during ground-works construction within the 250m Consultation Zone, the works area should be monitored for methane, carbon dioxide and oxygen using appropriately calibrated portable gas detection equipment. The monitoring frequency and areas to be monitored should be set down prior to commencement of ground-works either by the Safety Officer or an approved and appropriately qualified person.</li> </ul>  |  |                                |   |                                 |  |

| EIA Ref. / EP<br>Submission | Recommended Mitigation Measures  | Objectives of the recommended Measures<br>& Main Concerns to address                       | Who to implement the measures? | Location of the<br>measures   | v |
|-----------------------------|--|--|--------------------------------|---|---|
| S11.5.26 - S11.5.31         | <ul> <li>Monitoring <ul> <li>Routine monitoring should be carried out in all excavations, manholes, chambers, relocation of monitoring wells and any other confined spaces that may have been created. All measurements in excavations should be made with the extended monitoring tube located not more than 10 mm from the exposed ground surface. Monitoring should be performed properly to make sure that the area is free of landfill gas before any man enters into the area.</li> <li>For excavations deeper than 1m, measurements should be carried out: <ul> <li>at the ground surface before excavation commences;-</li> <li>immediately before any worker enters the excavation;</li> <li>at the beginning of each working day for the entire period the excavation remains open; and</li> <li>periodically throughout the working day whilst workers are in the excavation.</li> <li>For excavations between 300mm and 1m deep, measurements should be carried out:</li> <li>directly after the excavation has been completed; and</li> <li>periodically whilst the excavation remains open.</li> <li>For excavations less than 300mm deep, monitoring may be omitted, at the discretion of the Safety Officer or other appropriately qualified person.</li> <li>Depending on the results of the measurements, actions required will vary and should be set down by the Safety Officer or other appropriately qualified person.</li> <li>The exact frequency of monitoring should be determined prior to the commencement of works, but should be at least once per day, and be carried out by a suitably qualified or qualified person before starting the work of the day. Measurements shall be recorded and kept as a record of safe working conditions with copies of the site diary and submitted to the Engineer for approval. The Contractor may elect to carry out monitoring via an automated monitoring system.</li> </ul> </li> </ul></li></ul> | Protect the workers from landfill gas hazards  | Contractor                     | Project sites within the<br>Sai Tso Wan Landfill<br>Consultation Zone |   |
| \$11.5.32                   | The hazards from landfill gas during the construction stage within the Sai Tso Wan Landfill Consultation Zone should be minimized by suitable precautionary measures recommended in Chapter 8 of the Landfill Gas Hazard Assessment Guidance Note.   | construction stage within the Sai Tso Wan<br>Protect the workers from landfill gas hazards | Contractor                     | Project sites within the<br>Sai Tso Wan Landfill<br>Consultation Zone |   |

| When to Implement the<br>measures? | What requirements or standards for the measures to achieve? |
|------------------------------------|---|
| Construction phase                 | EPD's Landfill Gas Hazard Assessment<br>Guidance Note       |
| Construction phase                 | EPD's Landfill Gas Hazard Assessment<br>Guidance Note       |

## Table II - Observation / Reminder / Non-compliance made during Site Audit (May 2022)

Key: ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

 $\mathbf{X}$  Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

· Non-compliance but improved by the contractor

| EIA Ref              | Recommended Mitigation Measures                         | Details of Reminder/Observation               | <b>Recorded Date</b> | Status |
|----------------------|---|---|----------------------|--------|
| Air Quality          |   |   |                      |        |
|                      |   |   |                      |        |
| Construction         | Noise Impact  |   |                      |        |
|                      |   |   |                      |        |
| Water Qualit         | ty Impact   |   |                      |        |
|                      | Pounding water should be avoided.                       | Stagnant muddy water was observed.            | 26 May 2022          | #      |
| <b>Ecological In</b> | npact   |   |                      |        |
|                      |   |   |                      |        |
| <b>Fisheries Im</b>  | pact  |   |                      |        |
|                      |   |   |                      |        |
| Waste Manag          | gement  |   |                      |        |
|                      | Drip tray should be provided to prevent leaked oil from | No drip tray was provided for contain the     | 12 May 2022          |        |
|                      | entering drainage system during handling of chemical.   | potential leakage from chemical was observed. | 12 Way 2022          | v      |
| Landscape an         | nd Visual Impact  |   |                      |        |
|                      |   |   |                      |        |
| Landfill Gas         | Hazards   |   |                      |        |
|                      |   |   |                      |        |

## Table II - Observation / Reminder / Non-compliance made during Site Audit (June 2022)

Key: ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

 $\mathbf{X}$  Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

· Non-compliance but improved by the contractor

| EIA Ref              | <b>Recommended Mitigation Measures</b>  | Details of Reminder/Observation                               | Recorded Date | Status       |
|----------------------|---|---|---------------|--------------|
| Air Quality          |   |   |               |              |
|                      |   |   |               |              |
| Construction         | Noise Impact  |   | ·<br>         |              |
|                      |   |   |               |              |
| Water Qualit         | y Impact  |   |               |              |
|                      |   | Stagnant muddy water was observed.                            | 26 May 2022   | $\checkmark$ |
| <b>Ecological Im</b> | npact   |   |               |              |
|                      |   |   |               |              |
| <b>Fisheries Imp</b> | pact  |   |               | -            |
|                      |   |   |               |              |
| Waste Manag          |   |   |               | _            |
|                      | Contractor is suggested to prepare an emergency spill kit as to clean up spills of oil /chemical. | Oil stain was observed near generator.                        | 30 Jun 2022   | #            |
|                      | Designated area for chemical storage should be provided for proper storage of chemical /oil.      | Oil /Chemical was stored at different container.              | 30 Jun 2022   | #            |
|                      | I hemical waste producer license should be displayed properly                                     | Chemical waste producer license should be displayed properly. | 30 Jun 2022   | #            |
| Landscape ar         | nd Visual Impact  |   |               |              |
|                      |   |   |               |              |
| Landfill Gas         | Hazards   |   |               |              |
|                      |   |   |               |              |

### Table II - Observation / Reminder / Non-compliance made during Site Audit (July 2022)

Key: ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

X Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

**\*** Non-compliance of mitigation measure

· Non-compliance but improved by the contractor

| EIA Ref              | <b>Recommended Mitigation Measures</b>  | Details of Reminder/Observation   | <b>Recorded Date</b> | Status |
|----------------------|---|---|----------------------|--------|
| Air Quality          |   | -   |                      |        |
|                      |   |   |                      |        |
| Construction         | Noise Impact  |   |                      |        |
|                      |   |   |                      |        |
| Water Qualit         | y Impact  |   |                      |        |
|                      |   |   |                      |        |
| <b>Ecological In</b> | pact  |   |                      |        |
|                      |   |   |                      |        |
| <b>Fisheries Imp</b> | pact  |   |                      | -      |
|                      |   |   |                      |        |
| Waste Manag          |   |   |                      |        |
|                      | Contractor is suggested to prepare an emergency spill kit as to clean up spills of oil /chemical. | Oil stain was observed near generator.  | 30 Jun 2022          | ✓      |
|                      | Designated area for chemical storage should be provided for proper storage of chemical /oil.      | Oil /Chemical was stored at different container.  | 30 Jun 2022          | ~      |
|                      | Chemical waste producer license should be displayed properly.                                     | Chemical waste producer license should be displayed properly.   | 30 Jun 2022          | ✓      |
|                      | Drip tray should be provided to prevent leaked oil from entering drainage system.                 | No drip tray/ mitigation measures was<br>provided to prevent leaked oil from entering<br>drainage system. | 21 Jul 2022          | ~      |
| Landscape ar         | nd Visual Impact  | •   |                      | -      |
|                      |   |   |                      |        |
| Landfill Gas         | Hazards   |   |                      |        |
|                      |   |   |                      |        |

APPENDIX H WASTE GENERATED QUANTITY



Name of Department: CEDD

Monthly Summary Waste Flow Table for 2022 (CKL)

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

|           | Actu  | al Quantities                                      | of Inert C&D                    | Materials G                          | Actual Quantities of C&D Wastes Generated Monthly |                          |             |                                      |             |                      |   |
|-----------|---|--|---------------------------------|--------------------------------------|---|--------------------------|-------------|--------------------------------------|-------------|----------------------|---|
| Month     | a.Total<br>Quantity<br>Generated<br>(a=c+d+e) | b. Hard<br>Rock<br>and Large<br>Broken<br>Concrete | c. Reused<br>in the<br>Contract | d. Reused<br>in<br>Other<br>Projects | e.<br>Disposed<br>as Public<br>Fill               | f. Imported<br>Fill      | g. Metals   | h. Paper /<br>Cardboard<br>Packaging |             | j. Chemical<br>Waste | k. Others,<br>e.g.<br>general<br>refuse |
|           | (in '000m <sup>3</sup> )                      | (in '000m <sup>3</sup> )                           | (in '000m <sup>3</sup> )        | (in '000m <sup>3</sup> )             | (in '000m <sup>3</sup> )                          | (in '000m <sup>3</sup> ) | (in '000kg) | (in '000kg)                          | (in '000kg) | (in '000kg)          | (in '000m <sup>3</sup> )                |
| January   | 4.615   | 4.615  | 0.000                           | 4.615                                | 0.000   | 0.000                    | 0.000       | 0.000                                | 0.000       | 0.000                | 0.031                                   |
| February  | 1.374   | 1.374  | 0.000                           | 1.374                                | 0.000   | 0.000                    | 0.000       | 0.000                                | 0.000       | 0.000                | 0.005                                   |
| March     | 2.227   | 2.227  | 0.000                           | 2.227                                | 0.000   | 0.000                    | 0.000       | 0.000                                | 0.000       | 0.000                | 0.009                                   |
| April     | 2.249   | 2.249  | 0.000                           | 2.249                                | 0.000   | 0.000                    | 0.000       | 0.000                                | 0.000       | 0.000                | 0.019                                   |
| May       | 4.334   | 4.334  | 0.000                           | 4.334                                | 0.000   | 0.000                    | 0.000       | 0.000                                | 0.000       | 3.200                | 0.024                                   |
| June      | 3.429   | 3.429  | 0.000                           | 3.429                                | 0.000   | 0.000                    | 0.000       | 0.000                                | 0.000       | 0.000                | 0.026                                   |
| Sub-total | 18.228  | 18.228   | 0.000                           | 18.228                               | 0.000   | 0.000                    | 0.000       | 0.000                                | 0.000       | 3.200                | 0.114                                   |
| July      | 0.900   | 0.900  | 0.000                           | 0.900                                | 0.000   | 0.000                    | 0.000       | 0.000                                | 0.000       | 0.000                | 0.019                                   |
| August    |   |  |                                 |                                      |   |                          |             |                                      |             |                      |   |
| September |   |  |                                 |                                      |   |                          |             |                                      |             |                      |   |
| October   |   |  |                                 |                                      |   |                          |             |                                      |             |                      |   |
| November  |   |  |                                 |                                      |   |                          |             |                                      |             |                      |   |
| December  |   |  |                                 |                                      |   |                          |             |                                      |             |                      |   |
| Total     | 19.129  | 19.129   | 0.000                           | 19.129                               | 0.000   | 0.000                    | 0.000       | 0.000                                | 0.000       | 3.200                | 0.133                                   |

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).

APPENDIX I SUMMARY OF EXCEEDANCES

### Contract No. ED/2018/04

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

# **Appendix I – Summary of Exceedance**

### Reporting Quarter: May 2022 – July 2022

#### (A) Exceedance Report for Air Quality

No Action Level and Limit Level exceedance of 24hr TSP monitoring were recorded in this reporting quarter.

No Action/ Limit Level exceedance of 1hr TSP monitoring was recorded in this reporting quarter.

#### (B) Exceedance Report for Construction Noise

No Action Level was recorded due to the documented complaint in the reporting quarter. Detail refer to **Appendix J**.

Two (2) Limit Level exceedances for construction noise monitoring was recorded in the reporting quarter.

| Date         | Monitoring<br>Location | Measured<br>Level<br>(L <sub>eq</sub> dB(A)) | Baseline Noise<br>Level<br>(L <sub>eq</sub> dB(A)) | Construction<br>Noise Level<br>(L <sub>eq</sub> dB(A)) | Limit Level |
|--------------|------------------------|--|--|--|-------------|
| 10 May 2022  | CM1                    | 77.9   | 65.5   | <u>78</u>  | 75          |
| 06 June 2022 | CM1                    | 77.9   | 65.5   | <u>78</u>  | 75          |

The results of exceedance investigation are attached as below.

#### (C) Exceedance Report for Landfill Gas

(NIL in the reporting quarter)

#### - Notification of Exceedances

NOE No. 220510\_noise (CM1) Exceedance Level: Limit

Time of Measurement: 15:18 -16:18

**Date of Noise Monitoring:** <u>10 May 2022</u>

#### **Part A – Exceedance Summary Tables**

#### Table I:Parameter(s) – Construction Noise

| Station | Location                               | Time  | Measured<br>Level<br>(L <sub>eq</sub> dB(A))           | Baseline Noise<br>Level<br>(L <sub>eq</sub> dB(A)) | Construction Noise<br>Level<br>(L <sub>eq</sub> dB(A)) | Action Level        | Limit Level<br>(L <sub>eq</sub> dB(A)) | Level<br>exceeded |
|---------|--|-------|--|--|--|---------------------|--|-------------------|
| CM1     | Nga Lai House, Yau Lai Estate Phase 1, | 15:18 | 77.9   | 65 5   | <u>77.6</u>  | When one documented | 75                                     | Limit             |
| CMI     | Yau Tong                               | 15:48 | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ |  | 15   | Liillit             |  |                   |

#### Field Observation(s) and Conclusion

| (a) | Statement of exceedance(s) | ) |
|-----|----------------------------|---|
|-----|----------------------------|---|

Construction noise measured at CM1 exceeded the construction noise (day time) limit level.

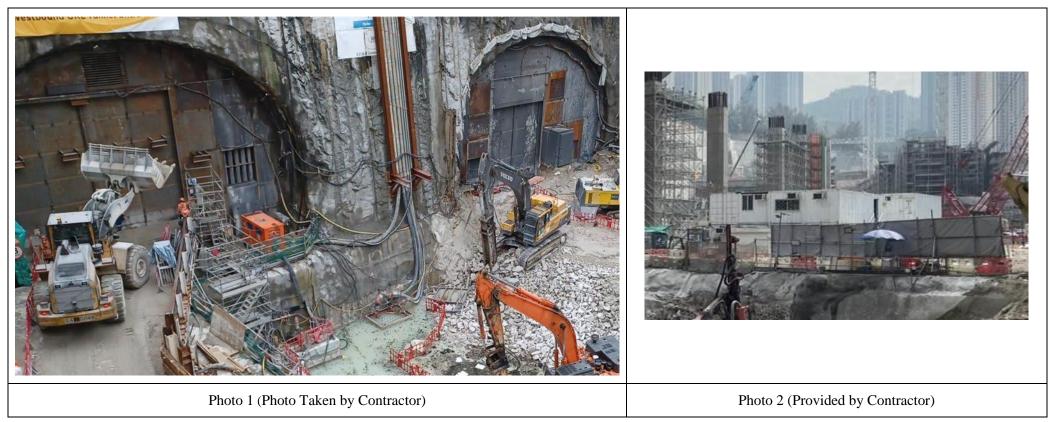
#### (b) Cause of exceedance(s)

According to the observation of our field staff, the major noise source(s) and/or reason(s) for exceedance identified at CM1 is/are as follow:

- 1. A breaker was being operated at Portion IVC of TKOLTT during monitoring.
- 2. Some percussive / breaking noise from the site of Lam Tin Interchange was also observed during monitoring
- 3. Road traffic along the adjacent slip road approaching to EHC tunnel.
- 4. Blast door was fully enclosed to restrict noise from PME operated inside tunnel area (See Photo 1).
- 5. Noise barriers were erected on the site of Trunk Road T2 (See Photo 2).

## - Notification of Exceedances

Photo Record



#### - Notification of Exceedances

#### Part B – Conclusion:

Based on the finding(s) and observation(s) above, the limit level exceedance of construction noise recorded at station CM1 on 10 May 2022 was due to the construction activities of the TKOLTT project. Therefore, the exceedance is considered as **non-project related**.

#### **Part C – Recommendation:**

Although the exceedance is considered as non-project related, it is recommended that the following construction noise mitigation measures shall always be implemented on site to reduce/ minimize the construction noise nuisance due to the construction activities.

- 1. Use of temporary or fixed noise barriers with a surface density of at least 10kg/m2 to screen noise from movable and stationary plant;
- 2. Use of acoustic fabric for the silent piling system, drill rigs, rock drills etc;
- 3. Only well-maintained plant should be operated on-site and plants should be serviced regularly during the construction period;
- 4. Mobile plant, if any, should be sited as far from NSRs as possible;
- 5. Use of site hoarding as a noise barrier to screen noise at low level NSRs;
- 6. 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
- 7. Any material stockpiles and other structures should be effectively utilized, wherever practicable, to screen the noise from on-site construction activities.

#### - Notification of Exceedances

NOE No. 220606\_noise (CM1) Exceedance Level: Limit

Time of Measurement: 10:52 -11:52

**Date of Noise Monitoring:** <u>06 June 2022</u>

#### **Part A – Exceedance Summary Tables**

#### Table I:Parameter(s) – Construction Noise

| Station | Location   | Time  | Measured<br>Level<br>(L <sub>eq</sub> dB(A)) | Baseline Noise<br>Level<br>(L <sub>eq</sub> dB(A)) | Construction Noise<br>Level<br>(L <sub>eq</sub> dB(A)) | Action Level           | Limit Level<br>(L <sub>eq</sub> dB(A)) | Level<br>exceeded |
|---------|--|-------|--|--|--|------------------------|--|-------------------|
| CM1     | Nga Lai House, Yau Lai Estate Phase 1,<br>Yau Tong | 10:52 | 77.9   | 65.5   | <u>77.6</u>  | When one documented    | 75                                     | Limit             |
| CMI     |  | 11:22 | 72.6   | 05.5   | 71.7   | complaint is received. | 15                                     | LIIIIIt           |

#### Field Observation(s) and Conclusion

(a) Statement of exceedance(s)

Construction noise measured at CM1 exceeded the construction noise (day time) limit level.

#### (b) Cause of exceedance(s)

According to the observation of our field staff, the major noise source(s) and/or reason(s) for exceedance identified at CM1 is/are as follow:

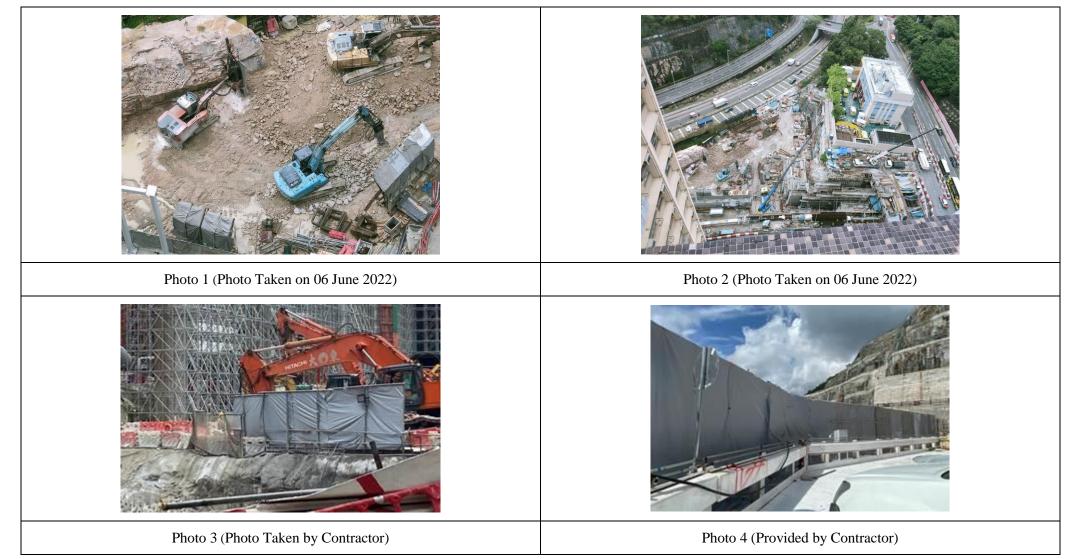
- 1. A breaker was being operated at Portion IVB of TKOLTT during monitoring. Despite noise barrier was placed near at the breaker, it was not able to block the direct line of sight (See Photo 1 and 2).
- 2. Percussive / breaking noise from LTI and Portion IVB of TKOLTT were heard during the first measurement
- 3. Road traffic along the adjacent slip road approaching to EHC tunnel.

Review on the implementation of noise mitigation measures of the Project of Trunk Road T2:

1. Noise barriers were erected on the site of Trunk Road T2 (See Photo 3 and 4).

### - Notification of Exceedances

#### Photo Record



#### - Notification of Exceedances

#### Part B – Conclusion:

Based on the finding(s) and observation(s) above, the limit level exceedance of construction noise recorded at station CM1 on 06 June 2022 was due to the construction activities of the TKOLTT project. Therefore, the exceedance is considered as **non-project related**.

#### **Part C – Recommendation:**

Although the exceedance is considered as non-project related, it is recommended that the following construction noise mitigation measures shall always be implemented on site to reduce/ minimize the construction noise nuisance due to the construction activities.

- 1. Use of temporary or fixed noise barriers with a surface density of at least 10kg/m2 to screen noise from movable and stationary plant;
- 2. Use of acoustic fabric for the silent piling system, drill rigs, rock drills etc;
- 3. Only well-maintained plant should be operated on-site and plants should be serviced regularly during the construction period;
- 4. Mobile plant, if any, should be sited as far from NSRs as possible;
- 5. Use of site hoarding as a noise barrier to screen noise at low level NSRs;
- 6. 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
- 7. Any material stockpiles and other structures should be effectively utilized, wherever practicable, to screen the noise from on-site construction activities.

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

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

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

**Reporting Quarter:** May 2022 – July 2022

| Log Ref. | Location | Received<br>Date | Details of<br>Complaint/warning/sum<br>mon and prosecution | Investigation/Mitigation Action | Status |
|----------|----------|------------------|--|---------------------------------|--------|
|          |          |                  |  |                                 |        |

**Remarks**: No environmental complaint/warning/summon and prosecution were received in the reporting quarter.

APPENDIX K EVENT AND ACTION PLAN

## **Event and Action Plan for Air Quality (Dust)**

| EVENT   | ACTION  |  |   |  |  |  |  |  |  |  |
|---|---|--|---|--|--|--|--|--|--|--|
|   | ET  | IEC  | ER  | CONTRACTOR   |  |  |  |  |  |  |
| Action level being<br>exceeded by one<br>sampling                           | <ol> <li>Identify source, investigate the<br/>causes of complaint and propose<br/>remedial measures;</li> <li>Inform IEC and ER;</li> <li>Repeat measurement to confirm<br/>finding;</li> <li>Increase monitoring frequency to<br/>daily.</li> </ol>  | <ol> <li>Check monitoring data submitted<br/>by ET;</li> <li>Check Contractor's working<br/>method.</li> </ol>   | 1. Notify Contractor.   | <ol> <li>Rectify any unacceptable<br/>practice;</li> <li>Amend working methods if<br/>appropriate.</li> </ol>  |  |  |  |  |  |  |
| Action level being<br>exceeded by two<br>or<br>more consecutive<br>sampling | <ol> <li>Identify source;</li> <li>Inform IEC and ER;</li> <li>Advise the ER on the<br/>effectiveness of the proposed<br/>remedial measures;</li> <li>Repeat measurements to confirm<br/>findings;</li> <li>Increase monitoring frequency to<br/>daily;</li> <li>Discuss with IEC and Contractor<br/>on remedial actions required;</li> </ol> | <ol> <li>Check monitoring data submitted<br/>by ET;</li> <li>Check Contractor's working<br/>method;</li> <li>Discuss with ET and Contractor<br/>on possible remedial measures;</li> <li>Advise the ET on the<br/>effectiveness of the proposed<br/>remedial measures;</li> <li>Supervise Implementation of<br/>remedial measures.</li> </ol> | <ol> <li>Confirm receipt of notification of<br/>exceedance in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures<br/>properly implemented.</li> </ol> | <ol> <li>Submit proposals for remedial<br/>actions to IEC within three<br/>working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol> |  |  |  |  |  |  |

| EVENT  | ACTION   |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
| EVENI  | ET   | IEC  | ER   | CONTRACTOR   |  |  |  |  |  |
|  | <ol> <li>If exceedance continues, arrange<br/>meeting with IEC and ER;</li> <li>If exceedance stops, cease<br/>additional monitoring.</li> </ol>   |  |  |  |  |  |  |  |  |
| Limit level being<br>exceeded by one<br>sampling                           | <ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform Contractor ,IEC, ER, and EPD;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.</li> </ol> | <ol> <li>Check monitoring data submitted<br/>by ET;</li> <li>Check Contractor's working<br/>method;</li> <li>Discuss with ET and Contractor<br/>on possible remedial measures;</li> <li>Advise the ER on the<br/>effectiveness of the proposed<br/>remedial measures;</li> <li>Supervise implementation of<br/>remedial measures.</li> </ol> | <ol> <li>Confirm receipt of notification of<br/>exceedance in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures<br/>properly implemented.</li> </ol>                  | <ol> <li>Take immediate action to avoid<br/>further exceedance;</li> <li>Submit proposals for remedial<br/>actions to IEC within three<br/>working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol> |  |  |  |  |  |
| Limit level being<br>exceeded by two<br>or more<br>consecutive<br>sampling | <ol> <li>Notify IEC, ER, Contractor and<br/>EPD;</li> <li>Identify source;</li> </ol>  | <ol> <li>Discuss amongst ER, ET, and<br/>Contractor on the potential<br/>remedial actions;</li> <li>Review Contractor's remedial<br/>actions whenever necessary to</li> </ol>  | <ol> <li>Confirm receipt of notification of<br/>exceedance in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC,<br/>agree with the Contractor on the</li> </ol> | <ol> <li>Take immediate action to avoid<br/>further exceedance;</li> <li>Submit proposals for remedial<br/>actions to IEC within three working<br/>days of notification;</li> </ol>  |  |  |  |  |  |

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

## **Event and Action Plan for Construction Noise**

| EVENT        |    |  |    | ACT  | TION | I  |      |  |
|--------------|----|--|----|--|------|--|------|--|
|              |    | ET   |    | IEC  |      | ER   |      | CONTRACTOR                                       |
| Action Level | 1. | Notify IEC and Contractor;                         | 1. | Review the analysed results submitted by the ET;   | 1.   | Confirm receipt of notification of failure in        | 1. 5 | Submit noise mitigation proposals to IEC;        |
|              | 2. | Carry out investigation;                           | 2. | Review the proposed remedial measures by the       |      | writing;   | 2. 1 | Implement noise mitigation proposals.            |
|              | 3. | Report the results of investigation to the IEC, ER |    | Contractor and advise the ER accordingly;          | 2.   | Notify Contractor;                                   |      |  |
|              |    | and Contractor;                                    | 3. | Supervise the implementation of remedial           | 3.   | Require Contractor to propose remedial measures      |      |  |
|              | 4. | Discuss with the Contractor and formulate          |    | measures.  |      | for the analysed noise problem;                      |      |  |
|              |    | remedial measures;                                 |    |  | 4.   | Ensure remedial measures are properly                |      |  |
|              | 5. | Increase monitoring frequency to check mitigation  |    |  |      | implemented.   |      |  |
|              |    | effectiveness.                                     |    |  |      |  |      |  |
| Limit Level  | 1. | Identify source;                                   | 1. | Discuss amongst ER, ET, and Contractor on the      | 1.   | Confirm receipt of notification of failure in        | 1.   | Take immediate action to avoid further           |
|              | 2. | Inform IEC, ER, EPD and Contractor;                |    | potential remedial actions;                        |      | writing;   |      | exceedance;                                      |
|              | 3. | Repeat measurements to confirm findings;           | 2. | Review Contractors remedial actions whenever       | 2.   | Notify Contractor;                                   | 2.   | Submit proposals for remedial actions            |
|              | 4. | Increase monitoring frequency;                     |    | necessary to assure their effectiveness and advise | 3.   | Require Contractor to propose remedial measures      |      | to IEC within 3 working days of notification;    |
|              | 5. | Carry out analysis of Contractor's working         |    | the ER accordingly;                                |      | for the analysed noise problem;                      | 3.   | Implement the agreed proposals;                  |
|              |    | procedures to determine possible mitigation to be  | 3. | Supervise the implementation of remedial           | 4.   | Ensure remedial measures properly implemented;       | 4.   | Resubmit proposals if problem still not under    |
|              |    | implemented;                                       |    | measures.  | 5.   | If exceedance continues, consider what portion of    |      | control;   |
|              | 6. | Inform IEC, ER and EPD the causes and actions      |    |  |      | the work is responsible and instruct the Contractor  | 5.   | Stop the relevant portion of works as determined |
|              |    | taken for the exceedances;                         |    |  |      | to stop that portion of work until the exceedance is |      | by the ER until the exceedance is abated.        |
|              | 7. | Assess effectiveness of Contractor's remedial      |    |  |      | abated.  |      |  |
|              |    | actions and keep IEC, EPD and ER informed of       |    |  |      |  |      |  |
|              |    | the results;                                       |    |  |      |  |      |  |
|              | 8. | If exceedance stops, cease additional monitoring.  |    |  |      |  |      |  |

## Limit Levels and Action Plan for Landfill Gas

| Parameter | Limit Level                          | Action  |
|-----------|--------------------------------------|---|
|           | <19%                                 | • Ventilate to restore oxygen to >19%                             |
| Owwarm    |                                      | • Stop works  |
| Oxygen    | <18%                                 | • Evacuate personnel/prohibit entry                               |
|           |                                      | • Increase ventilation to restore oxygen to >19%                  |
|           | >100/ LEL (i.e. $> 0.50/$ by yolume) | • Prohibit hot works  |
|           | >10% LEL (i.e. > 0.5% by volume)     | • Ventilate to restore methane to <10% LEL                        |
| Methane   |                                      | • Stop works  |
|           | >20% LEL (i.e. > 1% by volume)       | • Evacuate personnel / prohibit entry                             |
|           |                                      | • Increase ventilation to restore methane to <10% LEL             |
|           | >0.5%                                | • Ventilate to restore carbon dioxide to $< 0.5\%$                |
| Carbon    |                                      | • Stop works  |
| Dioxide   | >1.5%                                | • Evacuate personnel / prohibit entry                             |
|           |                                      | $\bullet$ Increase ventilation to restore carbon dioxide to <0.5% |

APPENDIX L CONSTRUCTION PROGRAMME

| Activity Name                                      | Dur | Start       | Finish      |  |                     |                     |              |              |                                       |                  |                                       |               | 2022                                    | i         |  |          |                     |                 |                               |              | App          | endix A                               |
|--|-----|-------------|-------------|--|---------------------|---------------------|--------------|--------------|---------------------------------------|------------------|---------------------------------------|---------------|---|-----------|--|----------|---------------------|-----------------|-------------------------------|--------------|--------------|---------------------------------------|
|  |     |             |             | Febru<br>30 06                           |                     | March               | 20 27        | Ap<br>03 10  | pril<br>17 24                         | May<br>01 08 15  | <u> </u>                              | 29 05         | June<br>12 19                           | 26 03     | July<br>3   10   17  | 24       | Augus               |                 | Septer                        |              | Octob        | ober<br>16 23 D                       |
| ED/2018/04 - Trunk Road T2                         | 932 | 13-Mar-21 A | 29-Aug-24   |  |                     |                     |              |              |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              | , <u> </u>                            |
| DESIGN SUBMISSION & APPROVAL                       | 415 | 15-Mar-21 A | 29-Nov-22   |  |                     |                     |              | +            |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              |                                       |
| GENERAL  | 314 | 10-Sep-21 A |             |  |                     |                     |              | ÷            |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              |                                       |
| DAP - WVB  | 12  | 18-Oct-22   | 31-Oct-22   |  |                     |                     |              |              |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              | k            | <u></u> !'                            |
| DDA - Draft - Final Review and prepare for 1st Sub | 12  | 18-Oct-22   | 31-Oct-22   |  | <br> <br> <br> <br> |                     |              |              |                                       |                  |                                       |               | · · · · · · · · · · · · · · · · · · ·   |           |  |          |                     |                 |                               |              |              | + /                                   |
| DDA Street Lighting (AGR/ DPR/ S20/ L10/ L18)      |     | 22-Dec-21 A |             |  |                     |                     |              |              |                                       |                  |                                       |               |   |           |  | - +      |                     |                 |                               |              |              |                                       |
| DDA - 7th Review by SO                             |     |             |             |  | <br> <br> <br> <br> |                     |              |              |                                       |                  |                                       |               | 1 1<br>1 1<br>1 1<br>1 1<br>1 1         |           |  | -        |                     |                 |                               |              |              | ·!                                    |
| DDA - Further information required by SO           | 12  |             |             | 1 1                                      | 1                   | ion required by SO  |              |              |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              |                                       |
| DDA - 8th Sub                                      | 0   |             | 27-Jan-22 A | 1. |                     |                     |              |              |                                       |                  | · 1<br>1 · · · · 1<br>. · · · · · ·   |               |   |           |  |          |                     |                 |                               |              |              | , <u> </u> ],                         |
| DDA - 8th Review by SO                             | 35  | 28-Jan-22 A | 29-Mar-22 A |  | ;                   |                     |              | DA - 8th Re  | eview by SO                           |                  | ·                                     |               |   |           | $r = \frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1}$  |          |                     |                 |                               |              |              | ,  <br>                               |
| DDA - SO Consent for DDA Submission                | 0   |             | 29-Mar-22 A |  |                     |                     | •            | DDA - SO Co  | onsent for DD                         | DA Submission    |                                       |               |   |           |  |          |                     |                 |                               |              |              | :                                     |
| DDA Landscape Design                               |     | 10-Sep-21 A |             |  |                     |                     |              |              |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              |                                       |
| DDA - Further information required by SO           | 24  | 10-Sep-21 A | 05-Jan-22 A | ation required                           | d by SO             |                     |              |              |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              |                                       |
| DDA - 2nd Sub                                      | 0   | 1           | 05-Jan-22 A |  |                     |                     |              |              |                                       |                  | · +                                   |               |   |           |  |          |                     |                 |                               |              |              | :                                     |
| DDA - 2nd Review by SO                             | 35  | 06-Jan-22 A | 14-Mar-22 A |  |                     |                     | DA-2nd Re    | view by SO   |                                       |                  |                                       |               |   |           | $\frac{1}{1}$  |          |                     |                 |                               |              |              | · · · · · · · · · · · · · · · · · · · |
| DDA - Further information required by SO           | 24  | 15-Mar-22 A | 25-May-22 A |  |                     |                     |              | ÷;           |                                       |                  | D                                     | DDA - Furthe  | er informatio                           | nrequired | bySO   |          |                     |                 |                               |              |              | · · · · · · · · · · · · · · · · · · · |
| DDA - 3rd Sub                                      | 0   |             | 25-May-22 A |  |                     |                     |              |              |                                       |                  | ◆ D                                   | DDA - 3rd Su  | 1 I I I I I I I I I I I I I I I I I I I |           |  |          |                     |                 |                               |              |              | ,                                     |
| DDA - 3rd Review by SO                             | 35  | 26-May-22 A | 08-Jul-22   |  |                     |                     |              |              |                                       |                  |                                       |               |   |           | DDA - 3rd  | Review   | vby SO              |                 |                               |              |              | י <b>ן</b><br>יו                      |
| DDA - SO Consent for Construction                  | 0   |             | 08-Jul-22   |  |                     |                     |              |              |                                       |                  |                                       |               | -<br><br>                               |           | ♦ DDA- SC  | ) Çonser | nt for Construction | אר<br>חו        |                               |              |              | <b>ا</b>                              |
| DEPRESSED ROAD [DPR]                               |     | 09-Sep-21 A |             | 1 1                                      |                     |                     |              | +            |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              | · · · · · · · · · · · · · · · · · · · |
| DDA DPR - Portal Structure                         |     | 09-Sep-21 A | -           |  |                     |                     |              |              | · · · · · · · · · · · · · · · · · · · |                  | · · · · · · · · · · · · · · · · · · · |               |   |           |  |          |                     |                 |                               |              |              | · · · · · · · · · · · · · · · · · · · |
| DDA - Review by IP / DC                            | 28  | 09-Sep-21 A | 07-Jan-22 A | / DC                                     |                     |                     |              |              |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              | ,                                     |
| DDA - Further information required by SO           | 12  | 06-Oct-21 A | 07-Jan-22 A | nation requir                            | red by SO           | )                   |              |              |                                       |                  |                                       |               |   |           | $r = \frac{1}{1} - $ |          |                     |                 |                               |              |              |                                       |
| DDA - 2nd Sub                                      | 0   |             | 07-Jan-22 A |  |                     |                     |              |              |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              |                                       |
| DDA - 2nd Review by SO                             | 35  | 08-Jan-22 A | 21-Feb-22 A |  | D                   | DDA - 2nd Review by | y SO         |              |                                       |                  |                                       |               |   |           |  |          |                     |                 |                               |              |              |                                       |
| DDA - Further information required by SO           | 12  | 22-Feb-22 A | 10-Mar-22 A |  |                     | DDA                 | Further info | prmation req | quired by SO                          |                  |                                       |               | <br>                                    |           |  |          |                     |                 |                               |              |              | · · · · · · · · · · · · · · · · · · · |
| DDA - 3rd Sub                                      | 0   | 1           | 10-Mar-22 A |  |                     | ◆ DDA -             | 3rd Sub      | +            |                                       |                  |                                       |               | <br> <br> <br> <br> <br>                |           |  |          |                     |                 |                               |              |              |                                       |
| DDA - 3rd Review by SO                             | 35  | 11-Mar-22 A | 31-Mar-22 A |  |                     |                     |              | DDA - 3rd F  | Review by SO                          | ġ                |                                       |               |   |           | · - 1  |          |                     |                 |                               |              |              |                                       |
| DDA - Further information required by SO           | 12  | 01-Apr-22 A | 06-Apr-22 A |  |                     |                     |              | DDA -        | Further infor                         | rmation required | bySO                                  |               |   | ·         | · - 1  |          |                     |                 |                               |              |              | <br>                                  |
| DDA - 4th Sub                                      | 0   | 1           | 06-Apr-22 A |  |                     |                     |              | 🔶 DDA -      | 4th Sub                               |                  |                                       |               |   |           |  |          |                     |                 | +<br>                         |              |              | <br>                                  |
| DDA - 4th Review by SO                             | 35  | 07-Apr-22 A | 04-May-22 A |  |                     |                     |              |              |                                       | DDA - 4th        | i Review b                            | y \$0         |   |           |  |          |                     |                 |                               |              |              |                                       |
| DDA - SO Consent for Construction                  | 0   | 1           | 04-May-22 A |  |                     |                     |              |              |                                       | DDA - SO         | ) Consent f                           | for Construct | tion                                    |           | $-\frac{1}{1}$ $-\frac{1}{1}$  |          |                     |                 | $-\frac{1}{1}$ $-\frac{1}{1}$ |              |              |                                       |
| Stage 1A Completion                                | 0   |             | 04-May-22 A |  |                     |                     |              | +            |                                       | ◆ Stage 1A       | Completio                             | 'n            |   |           |  |          |                     |                 |                               |              |              | ,                                     |
| WEST VENTILATION BUILDING [WVB]                    | 354 | 14-May-21 A | 16-Sep-22   |  |                     |                     |              | +            |                                       |                  |                                       |               |   |           | · - + + + + + + + + + + + + + + + + + +  |          |                     |                 |                               |              |              |                                       |
| DDA WVB - ABWF                                     |     | 11-Sep-21 A | -           |  |                     |                     |              | +            | ·····                                 |                  | · +                                   |               |   |           |  |          |                     |                 |                               |              |              | · · · · · · · · · · · · · · · · · · · |
| DDA - Review by SO                                 | 28  | 11-Sep-21 A | 08-Jul-22   |  |                     |                     |              |              |                                       |                  |                                       |               | I I<br>I I                              |           | DDA - Re   | view by  | <b>\$</b> 0         |                 |                               |              |              |                                       |
| DDA - Review by IP / DC                            | 28  | 11-Sep-21 A | 08-Jul-22   |  |                     |                     |              | +            |                                       |                  | +                                     |               |   |           | DDA - Re   | view by  | IP / DC             |                 |                               |              |              |                                       |
| DDA - Further information required by SO           | 30  | 09-Jul-22   | 12-Aug-22   |  |                     |                     |              |              |                                       |                  |                                       |               |   |           |  |          | 1 1 1               | DA - Further in | formation rec                 | uired by SO  |              | ,                                     |
| DDA - 2nd Sub                                      | 0   | 1           | 12-Aug-22   |  |                     |                     |              |              |                                       |                  |                                       |               |   |           | $-\frac{1}{1}$ $-\frac{1}{1}$  |          | ◆ DD                | DA - 2nd Sub    | $-\frac{1}{1}$ $-\frac{1}{1}$ |              |              | <br>                                  |
| DDA - 2nd Review by SO                             | 35  | 13-Aug-22   | 16-Sep-22   |  |                     |                     |              |              |                                       | +                | · <del> </del>                        |               |   | ++-       |  |          |                     |                 |                               | DDA - 2nd    | Review by SO | ر                                     |
| ///  |     |             |             |  |                     | <u>.!  ! : :</u>    |              |              |                                       |                  | :                                     |               |   | ! !!      | _!   | _!       | <u> </u>            | <u> </u>        | <u> </u>                      | <u>. ! 1</u> | <u> </u>     | ;                                     |

Page 1 of 20 Data Date: 02-Jul-22 Milestone
Planned Bar
Critical A divity

Critical A divity

Actual Milestone

Actual Work

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

BOUYGUES TRAVAUX PUBLICS



| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |

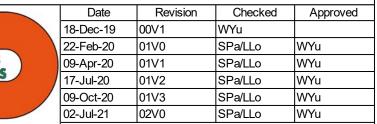
| ctivity Name   | Dur   | Start       | Finish                                |  | Ad and b   |                                       |                                       | Maria                |  | 2022                                  |                       |                                       |  |                   |  |                                       |                     |                                       |
|--|-------|-------------|---------------------------------------|--|--|---------------------------------------|---------------------------------------|----------------------|--|---------------------------------------|-----------------------|---------------------------------------|--|-------------------|--|---------------------------------------|---------------------|---------------------------------------|
|  |       |             | Br                                    | February         90         06         13         20         27         27 | March<br>06 13 20 1  |                                       | April<br>D   17   24                  | May<br>4 01 08 15    | 22 29 05                               | June<br>5 12 19 26                    |                       | July<br>10 17 2                       | 24 31                                  | August<br>1 07 14 |  | September                             | 18 25 02            | October<br>09 16 23 0                 |
| DDA - SO Consent for Construction                                    | 0     | [           | 16-Sep-22                             | 1  |  |                                       |                                       |                      |  |                                       |                       |                                       | ,                                      |                   |  | • D'                                  | DDA - SO Consent t  |                                       |
| DDA WVB - Aesthetic Design   |       |             |                                       | 1  |  | ;                                     |                                       |                      | ·····                                  |                                       |                       |                                       | r                                      |                   |  |                                       |                     |                                       |
| DDA - Review by IP / DC  | 28    | 14-May-21 A | A 08-Jul-22                           |  |  |                                       |                                       |                      |  |                                       | D                     | DDA - Review                          | w by IP / D                            | Ĵ                 |  |                                       |                     |                                       |
| DDA - 2nd Review by SO   | 35    | 20-Jun-21 A | 14-Jul-22                             |  |  |                                       |                                       |                      |  |                                       |                       | DDA 2                                 | 2nd Review                             | w by SO           |  |                                       |                     |                                       |
| DDA - 2nd Review by IP   | 35    | 20-Jun-21 A | 14-Jul-22                             |  |  |                                       |                                       |                      | ······································ |                                       |                       | DDA - 2                               | 2nd Review                             | w by IP           |  |                                       |                     | · · · · · · · · · · · · · · · · · · · |
| DDA - Further information required by SO                             | 24    | 15-Jul-22   | 11-Aug-22                             | 1  |  | · · · · · · · · · · · · · · · · · · · |                                       |                      |  |                                       |                       |                                       | ······································ | DDA - '           | - Further information                  | on require                            | ed by SO            | ·····                                 |
| DDA - 3rd Sub  | 0     |             | 11-Aug-22                             |  |  | :                                     |                                       |                      |  |                                       |                       |                                       | :                                      | ◆ DDA - 3         | 3rd Sub                                |                                       |                     | :                                     |
| DDA - 3rd Review by SO   | 35    | 12-Aug-22   | 15-Sep-22                             | 1  |  | ;                                     |                                       |                      |  |                                       |                       |                                       | ·;                                     |                   | ······································ |                                       | DDA - 3rd Review by | oy SO                                 |
| DDA - SO Consent for Construction                                    | 0     |             | 15-Sep-22                             | ·····  |  |                                       |                                       |                      |  |                                       |                       |                                       |  |                   |  | ♦ Dr                                  | DDA - SO Consent fo | for Construction                      |
| SOUTH APRON ROAD WORKS   |       | 29-Oct-21 A | 24-Sep-22                             | ······   |  |                                       |                                       |                      |  |                                       |                       |                                       |  |                   |  |                                       |                     |                                       |
| DDA Road L10 (S) - Alignment, Traffic Sign, Road Marking and Traffic | : 172 | 11-Nov-21 A | 08-Jun-22 A                           | · · · · · · · · · · · · · · · · · · ·                                      |  | · · · · · · · · · · · · · · · · · · · |                                       |                      |  |                                       |                       |                                       |  |                   |  |                                       |                     |                                       |
| DDA - Further information required by SO                             | 12    | 11-Nov-21 A | 01-Apr-22 A                           |  |  | DDA - Furt                            | .ther informat                        | ation required by SO |  |                                       |                       |                                       | · · · · · · · · · · · · · · · · · · ·  |                   |  |                                       |                     |                                       |
| DDA - 6th Sub  | 0     |             | 01-Apr-22 A                           | 1  |  | ◆ DDA - 6th \$                        | , Şub                                 |                      |  |                                       | / <b>+</b> - <b>-</b> |                                       | ;                                      |                   |  |                                       |                     |                                       |
| DDA - 6th Review by SO   | 35    | 02-Apr-22 A | 08-Jun-22 A                           | 1  |  |                                       |                                       |                      |  | DDA - 6th Review                      | ew by SO              |                                       | :                                      |                   |  |                                       |                     |                                       |
| DDA - SO Consent for Construction                                    | 0     |             | 08-Jun-22 A                           | 1  |  |                                       |                                       |                      | ( • • •                                | DDA - SO Conse                        | sent for Const        | struction                             | · · · · · · · · · · · · · · · · · · ·  |                   |  |                                       |                     |                                       |
| DDA Road L10 (S) - Roadworks and Street Furniture                    | 209   | 18-Nov-21 A | 27-Jun-22 A                           | 1  |  | · · · · · · · · · · · · · · · · · · · |                                       |                      |  |                                       |                       |                                       | ·····                                  |                   |  |                                       |                     |                                       |
| DDA - Further information required by SO                             | 12    | 18-Nov-21 A | 31-Mar-22 A                           |  |  | DDA - Furth                           | .ner informatir                       | ation required by SO |  |                                       |                       |                                       | · · · · · · · · · · · · · · · · · · ·  |                   |  |                                       |                     | · · · · · · · · · · · · · · · · · · · |
| DDA - 7th Sub  | 0     | [           | 31-Mar-22 A                           | 1  |  | 🔶 DDA - 7th Si                        | Sub                                   |                      |  |                                       |                       |                                       |  |                   |  |                                       |                     |                                       |
| DDA - 7th Review by SO   | 35    | 01-Apr-22 A | 06-May-22 A                           | t  |  | · · · · · · · · · · · · · · · · · · · |                                       | DDA - 7th F          | Review by SO                           | · · · · · · · · · · · · · · · · · · · |                       |                                       | · · · · · · · · · · · · · · · · · · ·  |                   |  | <u>-</u>                              |                     | ·····                                 |
| DDA - Further information required by SO                             | 13    | 07-May-22 A | . 01-Jun-22 A                         | 1  |  |                                       |                                       |                      | DDA -                                  | - Further informati                   | ation required        | J by SO                               | ·;                                     |                   |  | ÷                                     |                     |                                       |
| DDA - 8th Sub  | 0     |             | 01-Jun-22 A                           | ······   | $   \frac{1}{1}   \frac$ |                                       |                                       |                      | DDA - 8                                |                                       |                       |                                       | ;;                                     |                   |  |                                       |                     |                                       |
| DDA - 8th Review by SO   | 35    | 02-Jun-22 A | 27-Jun-22 A                           | 1  |  |                                       |                                       |                      |  |                                       | DDA - 8th Re          | Review by S                           | SO                                     |                   | +                                      | +                                     |                     |                                       |
| DDA - SO Consent for Construction                                    | 0     | +           | 27-Jun-22 A                           | ·····  |  |                                       |                                       |                      |  | •                                     | 🔷 DDA - SD Co         |                                       | : : :                                  |                   |  |                                       |                     |                                       |
| AIP - Kiosk  | 21    | 04-Dec-21 A |                                       | ······   |  | · · · · · · · · · · · · · · · · · · · |                                       |                      |  | · · · · · · · · · · · · · · · · · · · |                       |                                       | · · · · · · · · · · · · · · · · · · ·  |                   |  | 1<br>1<br>1<br>1                      |                     |                                       |
| AIP - 3rd Review by SO   | 28    | 04-Dec-21 A | 03-Jan-22 A                           |  |  |                                       |                                       |                      |  |                                       |                       |                                       | ;                                      |                   |  |                                       |                     |                                       |
| AIP - SO Consent for DDA Submission                                  | 0     |             | 03-Jan-22 A DA                        | JA Submission  |  | · · · · · · · · · · · · · · · · · · · |                                       |                      |  |                                       | -+                    |                                       |  |                   |  |                                       |                     |                                       |
| DDA - Kiosk  |       | 04-Jan-22 A |                                       | 1  |  |                                       |                                       |                      | ······                                 | · · · · · · · · · · · · · · · · · · · |                       |                                       | · · · · · · · · · · · · · · · · · · ·  |                   |  | +                                     |                     |                                       |
| DDA - Draft - Preparation by Designer                                | 36    | 04-Jan-22 A | 15-Feb-22 A                           | DDA - Draft - P  | Preparation by Desig   | gner                                  |                                       |                      |  | ,                                     |                       |                                       |  |                   |  |                                       |                     |                                       |
| DDA - Draft - Final Review and prepare for 1st Sub                   | 14    | 16-Feb-22 A | 09-Jul-22                             | 1  |  |                                       |                                       |                      |  |                                       | <b>D</b> '            | JDA - Draft                           | ι - Final Rev                          | Review and prepa  | Jare for 1st Sub                       |                                       |                     |                                       |
| DDA - 1st Sub  | 0     | []          | 09-Jul-22                             | ı  |  |                                       |                                       |                      |  | /                                     | ◆ D'                  | DDA - 1st Sul                         | ub                                     |                   |  |                                       |                     |                                       |
| DDA - Review by SO   | 28    | 10-Jul-22   | 06-Aug-22                             | 1  |  |                                       |                                       |                      |  |                                       |                       |                                       |  | 🗖 DDA - Revie     | view by SQ                             | <u>.</u>                              |                     |                                       |
| DDA - Review by IP / DC  | 28    | 10-Jul-22   | 06-Aug-22                             | 1  | ·  | ;                                     |                                       |                      |  |                                       |                       |                                       | ;;                                     | 📕 DDA-Revi        | wiew by IP / DC                        | <u>-</u>                              |                     |                                       |
| DDA - Further information required by SO                             | 12    | 08-Aug-22   | 20-Aug-22                             |  |  |                                       |                                       | ;                    |  | 4                                     |                       |                                       | ;;                                     |                   | DDA - Further inf                      | nformatior                            | n required by SO    |                                       |
| DDA - 2nd Sub  | 0     | +           | 20-Aug-22                             | ······   |  | ;                                     |                                       |                      |  |                                       |                       |                                       |  | •                 | DDA - 2nd Sub                          | /                                     |                     | :                                     |
| DDA - 2nd Review by SO   | 35    | 21-Aug-22   |                                       |  |  |                                       |                                       |                      |  |                                       |                       |                                       | ; ; ;                                  |                   | ·ii                                    | <u> </u>                              | DDA - 2nd; '        | Review by \$O                         |
| DDA - SO Consent for Construction                                    | 0     | +           | 24-Sep-22                             | · · · · · · · · · · · · · · · · · · ·                                      |  |                                       |                                       |                      |  |                                       |                       |                                       | · · · · · · · · · · · · · · · · · · ·  |                   | ·····i                                 | · · · · · · · · · · · · · · · · · · · |                     | Consent for Con                       |
| [STE] AIP Kai Hing Road / Lam Chak Street Modification               | 115   | 29-Oct-21 A | · · · · · · · · · · · · · · · · · · · | 1  |  | · · · · · · · · · · · · · · · · · · · |                                       |                      |  |                                       |                       | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · ·  |                   |  |                                       |                     |                                       |
| AIP - Review by IP / DC  |       |             |                                       | r w by IP / DC   |  | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · |                      |  |                                       |                       |                                       | ·)                                     |                   | · · · · · · · · · · · · · · · · · · ·  | <br>                                  |                     |                                       |
| AIP - Further information required by SO                             | 24    | 20-Nov-21 A | , 20-Jan-22 A r <sup>+/</sup>         | rther information required by S  | SO   | · · · · · · · · · · · · · · · · · · · |                                       | +                    |  |                                       |                       |                                       | ·                                      |                   | · · · · · · · · · · · · · · · · ·      |                                       |                     |                                       |
| AIP - 2nd Sub  | 0     |             | 20-Jan-22 A d S                       |  |  |                                       |                                       |                      |  |                                       |                       |                                       |  |                   |  |                                       |                     |                                       |
|  |       |             |                                       |  |  | '                                     |                                       |                      | ·                                      |                                       |                       |                                       | '                                      | <u> </u>          | '                                      | <u> </u>                              |                     | <u>_</u>                              |
| Page 2 of 20   |       |             | - : - 10                              | <b>_</b>   | . – .  | · • •                                 |                                       |                      |  |                                       |                       |                                       | <b>`</b>                               | Date<br>18-Dec-19 |  |                                       | Checked<br>WYu      | Approved                              |
| Data Date: 02-Jul-22   |       |             | ∕ <u>∕</u> ∩18/∩″                     | )4 Trunk Roa   | nd TO r  | and Intr                              | caetri                                | Intura W             | Jorke I                                |                                       |                       |                                       |  | 10-0-0-10         | 00 v i                                 | <u>'</u> ``                           | <u>, Yu</u>         | +                                     |

Critical A divity

Actual Milestone
 Actual Work

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

BOUYGUES TRAVAUX PUBLICS



| Activity Name  | Dur | Start       | Finish      |                                       |                                       |             |                  |                              |   |                   |                   |           | 20.                                   |             |                  |                         |        |              |                |                           |                       |
|--|-----|-------------|-------------|---------------------------------------|---------------------------------------|-------------|------------------|------------------------------|---|-------------------|-------------------|-----------|---------------------------------------|-------------|------------------|-------------------------|--------|--------------|----------------|---------------------------|-----------------------|
|  |     | 1           |             |                                       | ebruary                               | 27 06       | March<br>06 13 2 | 20 27                        | April 03 10 17                          | 24 01             | May<br>08 15 22   | 29        | June<br>05 12                         |             | Ju<br>6 03 10    | uly  <br>  17   24   31 | August | 21 28        | Septemb        | er<br>18 25 02            | October<br>09 16 23 ) |
| AIP - 2nd Review by SO   | 28  | 21-Jan-22 A | 04-Feb-22 A |                                       |                                       |             |                  |                              |   |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| AIP - Further information required by SO                             | 24  | 05-Feb-22 A | 18-Feb-22 A |                                       |                                       |             | information re   | equired by                   | y SO                                    |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| AIP - 2nd Sub  | 0   | ]           | 18-Feb-22 A |                                       |                                       | 2nd Sub     |                  |                              |   |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| AIP - 2nd Review by SO   | 28  | 19-Feb-22 A | 21-Mar-22 A | A 1                                   |                                       |             |                  | AIP - 2n                     | nd Review by SO                         |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| AIP - SO Consent for DDA Submission                                  | 0   | +           | 21-Mar-22 A | х<br>                                 |                                       |             | •                | <ul> <li>AIP - SC</li> </ul> | O Consent for DDA                       | A Submission      |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| [STE] DDA KHR Modification - Permanent Utility Design                | 142 | 28-Dec-21 A | 20-Aug-22   |                                       | ÷;                                    |             |                  |                              | +                                       |                   |                   |           |                                       |             | - +              |                         |        | +            |                |                           |                       |
| DDA - Draft - Preparation by Designer                                | 6   | 28-Dec-21 A | 20-Jan-22 A | raft Prer                             | paration by De                        | ⇒signer     |                  |                              | ,                                       |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Draft - Final Review and prepare for 1st Sub                   | 6   | 21-Jan-22 A | 31-Jan-22 A | , DDA - D                             | Jraft - Final Rr                      | eview and   | , prepare for    | r 1st Sub                    | · · · · · · · · · · · · · · · · · · ·   |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - 1st Sub  | 0   |             | 31-Jan-22 A | DDA - 1                               | st Sub                                |             |                  |                              | ,                                       |                   | ++                |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Review by SO   | 28  | 01-Feb-22 A | 11-Mar-22 A |                                       |                                       |             | DDA- F           | Reviewby                     | / SO                                    |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Review by IP / DC  | 28  | 01-Feb-22 A | 27-Apr-22 A |                                       |                                       |             |                  |                              |   | 1 1               | eview by IP / DC  | 1         |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Further information required by SO                             | 12  | 12-Mar-22 A | 03-May-22 A | A                                     |                                       |             |                  |                              |   | DD/               | A - Further infor | rmation   | required by                           | \$0         |                  |                         |        |              |                |                           |                       |
| DDA - 2nd Sub  | 0   |             | 03-May-22 A |                                       |                                       |             |                  |                              |   |                   | A - 2nd Sub       |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - 2nd Review by SO   | 35  | 04-May-22 A | 27-May-22 A | A                                     | +                                     |             |                  |                              | ,                                       |                   |                   | DDA       | - 2nd Revie                           | w by SO     |                  |                         |        |              |                |                           |                       |
| DDA - Further information required by SO                             | 24  | 28-May-22 A | 16-Jul-22   |                                       |                                       |             |                  |                              | · · · · · · · · · · · · · · · · · · ·   |                   |                   | !         | · · · · · · · · · · · · · · · · · · · |             |                  | DDA - Further           |        | equired by S | 0              |                           |                       |
| DDA - 3rd Sub  | 0   | 1           | 16-Jul-22   |                                       | <u>+</u>                              |             |                  |                              |   |                   |                   |           | · · · · · · · · · · · · · · · · · · · |             | - + -            | 🔶 DDA - 3rd Sub         | )      |              |                | <sup>L</sup> <sup>L</sup> |                       |
| DDA - 3rd Review by SO   | 35  | 17-Jul-22   | 20-Aug-22   |                                       |                                       |             |                  |                              |   |                   |                   |           | <br>                                  |             | - +              |                         |        | 1 1          | d Review by SC | 1                         |                       |
| DDA - SO Consent for Construction                                    | 0   | 1           | 20-Aug-22   |                                       |                                       |             |                  |                              | · · · · · · · · · · · · · · · · · · ·   |                   |                   |           |                                       |             |                  |                         |        | 🔶 DDA - S    | OConsent for C | onstruction               |                       |
| [STE] DDA KHR Modification - Alignment, Traffic Sign, Road Marking a | 160 |             |             |                                       | · · · · · · · · · · · · · · · · · · · |             |                  |                              | *                                       |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Draft - Preparation by Designer                                | 6   | 03-Jan-22 A | 12-Jan-22 A | reparation                            | ı by Designer                         |             |                  |                              | ,                                       |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Draft - Final Review and prepare for 1st Sub                   | 6   | 13-Jan-22 A | 17-Jan-22 A | t - Final P                           | Review and pre                        | epare for 1 | 1st Sub          |                              |   |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - 1st Sub  | 0   | 1           | 17-Jan-22 A | Sub                                   |                                       |             |                  | ;                            |   |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Review by SO   | 28  | 18-Jan-22 A | 21-Mar-22 A | ·                                     |                                       |             |                  |                              | Review by SO                            |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Review by IP / DC  | 28  | 18-Jan-22 A | 24-Mar-22 A |                                       |                                       |             |                  | DDA                          | Review by IP / D                        | )C                |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Further information required by SO                             | 12  | 22-Mar-22 A | 24-Mar-22 A | •                                     |                                       |             | ſ                | DDA                          | - Further informati                     | ion required by S | 30                | !         |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - 3rd Sub  | 0   | 1           | 24-Mar-22 A |                                       |                                       |             |                  | DDA                          | - 3rd Sub                               |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - 3rd Review by SO   | 35  | 25-Mar-22 A | 13-Apr-22 A | •                                     |                                       |             |                  |                              | DDA                                     | A - 3rd Review by | SO                |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Further information required by SO                             | 12  | 14-Apr-22 A | 03-May-22 A | 4                                     |                                       |             |                  |                              | ,                                       | DD/               | A - Further infor | rmation   | required by                           | \$0         |                  |                         |        |              |                |                           |                       |
| DDA - 4th Sub  | 0   | 1           | 03-May-22 A | 4                                     |                                       |             |                  |                              | , |                   | A - 4th Sub       |           |                                       |             | - +              |                         |        |              |                |                           |                       |
| DDA - 4th Review by SO   | 35  | 04-May-22 A | 19-May-22 A | 4                                     |                                       |             |                  |                              | +                                       |                   | DDA               | A - 4th F | Review by S                           | 0           |                  |                         |        |              |                |                           |                       |
| DDA - Further information required by SO                             | 12  | 20-May-22 A | 02-Jun-22 A | · · · · · · · · · · · · · · · · · · · |                                       |             |                  |                              | · · · · · · · · · · · · · · · · · · ·   |                   |                   | !         | DDA - Furt                            | her informa | ation required k | by SO                   |        |              |                |                           |                       |
| DDA - 5th Sub  | 0   |             | 02-Jun-22 A | · · · · · · · · · · · · · · · · · · · |                                       |             |                  |                              | <u></u>                                 |                   |                   | •         | DDA - 5th                             | Sµb         |                  |                         |        |              |                |                           |                       |
| DDA - 5th Review by SO   | 35  | 03-Jun-22 A | 16-Jun-22 A |                                       | +                                     |             |                  |                              |   |                   |                   |           | ·                                     | DDA - 5tl   | h Review by S    | 0                       |        |              |                |                           |                       |
| DDA - SO Consent for Construction                                    | 0   | 1           | 16-Jun-22 A |                                       | +                                     |             |                  |                              | · · · · · · · · · · · · · · · · · · ·   |                   |                   |           | •                                     | DDA - SC    | OConsent for (   | Construction            |        |              |                |                           |                       |
| [STE] DDA KHR Modification - Roadworks and Street Furniture          | 190 | 03-Jan-22 A |             |                                       | · · · · · · · · · · · · · · · · · · · |             |                  |                              | ·····                                   |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Draft - Preparation by Designer                                | 9   | 03-Jan-22 A | 12-Jan-22 A | reparation                            | on by Designer                        |             |                  |                              | 1                                       |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Draft - Final Review and prepare for 1st Sub                   | 4   | 13-Jan-22 A | 17-Jan-22 A | t - Final P                           | Review and pre                        | epare for   | 1st Sub          |                              |   |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - 1st Sub  | 0   | 1           | 17-Jan-22 A | , Sub                                 | <u>+</u>                              |             |                  |                              |   |                   |                   |           |                                       |             |                  |                         |        |              |                |                           |                       |
| DDA - Review by SO   | 28  | 18-Jan-22 A | 11-Mar-22 A |                                       |                                       |             | DDA - F          | Reviewby                     | / SO                                    |                   |                   |           |                                       |             | - +              |                         |        |              | <mark>-</mark> |                           |                       |
|  |     | '.          |             |                                       | · <u>·····</u>                        |             |                  |                              |   |                   |                   |           |                                       |             | I E .            | : : .1                  | Date   |              | Revision       | Checked                   | Approved              |

Page 3 of 20 Data Date: 02-Jul-22

- - Actual

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

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| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |

| Activity Name  | Dur | Start       | Finish      |  |
|--|-----|-------------|-------------|--|
|  |     |             |             | February     March     April     May     June     July     August     September     October       80     06     13     20     27     06     13     20     27     03     10     17     24     01     08     15     22     29     05     12     19     26     03     10     17     14     21     28     04     11     18     25     02     09     16     23     10 |
| DDA - Review by IP / DC  | 28  | 18-Jan-22 A | 02-Mar-22 A |  |
| DDA - Further information required by SO                             | 12  | 12-Mar-22 A | 27-Apr-22 A | DDA - Further information required by SO   |
| DDA - 2nd Sub  | 0   |             | 27-Apr-22 A |  |
| DDA - 2nd Review by SO   | 35  | 28-Apr-22 A | 27-May-22 A |  |
| DDA - Further information required by SO                             | 12  | 28-May-22 A | 22-Jun-22 A |  |
| DDA - 3rd Sub  | 0   |             | 22-Jun-22 A | ◆ DDA- 3rd Sub   |
| DDA - 3rd Review by SO   | 35  | 23-Jun-22 A | 27-Jul-22   | DDA - 3rd Review by SO   |
| DDA - SO Consent for Construction                                    | 0   |             | 27-Jul-22   | ◆ DDA - SO Consent: for Construction   |
| [STE] DDA KHR Modification - Street Lighting                         | 185 | 28-Dec-21 A | 01-Aug-22   |  |
| DDA - Draft - Preparation by Designer                                | 20  | 28-Dec-21 A | 20-Jan-22 A | raft- Preparation by Designer  |
| DDA - Draft - Final Review and prepare for 1st Sub                   | 9   | 21-Jan-22 A | 31-Jan-22 A |  |
| DDA - 1st Sub  | 0   |             | 31-Jan-22 A |  |
| DDA - Review by SO   | 28  | 01-Feb-22 A | 12-Mar-22 A | DDA - Review by SO   |
| DDA - Review by IP / DC  | 28  | 01-Feb-22 A | 30-Mar-22 A | DDA - Review by IP / DC  |
| DDA - Further information required by SO                             | 12  | 14-Mar-22 A | 30-Mar-22 A | DDA - Further information required by SO   |
| DDA - 2nd Sub  | 0   |             | 30-Mar-22 A | DA - 2nd Sub   |
| DDA - 2nd Review by SO   | 35  | 31-Mar-22 A | 06-Apr-22 A |  |
| DDA - Further information required by SO                             | 12  | 07-Apr-22 A | 27-Jun-22 A | DDA - Further information required by SO   |
| DDA - 3rd Sub  | 0   |             | 27-Jun-22 A | ◆ DDA - 3rd Sub  |
| DDA - 3rd Review by SO   | 35  | 28-Jun-22 A | 01-Aug-22   | DDA - 3rd Review by SO   |
| DDA - SO Consent for Construction                                    | 0   |             | 01-Aug-22   | DDA - SO Consent för Construction  |
| [STE] DDA Road L10 (N) - Permanent Utility Design                    | 175 | 18-Dec-21 A | 13-Aug-22   |  |
| DDA - 3rd Review by SO   | 35  | 18-Dec-21 A | 05-Jan-22 A | SO   |
| DDA - Further information required by SO                             | 12  | 06-Jan-22 A | 25-Feb-22 A |  |
| DDA - 4th Sub  | 0   |             | 25-Feb-22 A |  |
| DDA - 4th Review by SO   |     |             | 23-Mar-22 A |  |
| DDA - Further information required by SO                             | 12  | 24-Mar-22 A | 20-Apr-22 A | DDA - Further information required by SO   |
| DDA - 5th Sub  | 0   |             | 20-Apr-22 A | ◆ DDA - 5th Sub  |
| DDA - 5th Review by SO   | 35  | 21-Apr-22 A | 28-May-22 A | DDA - 5th Review by SO   |
| DDA - Further information required by SO                             | 12  | 30-May-22 A | 09-Jul-22   | DDA - Further information required by SO   |
| DDA - 6th Sub  | 0   |             | 09-Jul-22   | ◆ DDA - 6th Sub  |
| DDA - 6th Review by SO   | 35  | 10-Jul-22   | 13-Aug-22   | DDA - 6th Review by SO   |
| DDA - SO Consent for Construction                                    | 0   |             | 13-Aug-22   | DDA - SO Consent for Construction  |
| [STE] DDA Road L10 (N) - Alignment, Traffic Sign, Road Marking and T |     |             |             |  |
| DDA - Further information required by SO                             | 12  | 02-Dec-21 A | 18-May-22 A |  |
| DDA - 6th Sub  | 0   |             | 18-May-22 A |  |
| DDA - 6th Review by SO   | 35  | 19-May-22 A | 06-Jun-22 A | DDA - 6th Review by SO   |
| DDA - SO Consent for Construction                                    | 0   |             | 06-Jun-22 A | DDA - SO Consent for Construction  |
| [STE] DDA Road L10 (N) - Roadworks and Street Furniture              | 108 | 07-Dec-21 A | 11-Apr-22 A |  |
| ,,,,,,,  |     | 1           |             |  |

Page 4 of 20 Data Date: 02-Jul-22 Milestone
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 Actual Work

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

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| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |

| Ac     | tivity Name  | Dur | Start       | Finish      | Ĺ          |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           | 2022         |         | _        |            |           |
|--------|--|-----|-------------|-------------|------------|--------|---------------|------------------------|-----------|---------------|-------------------|-------|------------------------------|-------------|-----------------------------|---------|---------|-----------|--------------|---------|----------|------------|-----------|
|        |  |     |             |             | 80         | Fe     | ebruary<br>13 | 20                     | 27 0      | Marc<br>06 13 |                   | 27    | April<br>03 10 17 24 0       | M<br>1   08 | lay<br>15                   | 22      | 29      |           | une<br>2     | 19 2    | 26       |            | uly<br>17 |
|        | DDA - Further information required by SO                   | 12  | 07-Dec-21 A | 16-Mar-22 A |            |        |               |                        |           |               |                   |       | information required by SC   |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - 7th Sub  | 0   |             | 16-Mar-22 A | \<br>\     |        |               |                        |           | <b></b>       | DDA - 7           | h Sub | )                            |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - 7th Review by SO                                     | 35  | 17-Mar-22 A | 11-Apr-22 A |            |        |               |                        |           |               | <br> + -<br> <br> |       | DDA - 7th Review             | by SO       | · +<br> <br> <br> <br>      |         |         |           |              |         |          |            |           |
|        | DDA - SO Consent for Construction                          | 0   |             | 11-Apr-22 A | \<br>\     |        |               | L                      |           |               | - 4               |       | DDA - SO Consei              | nt for Cons | tructio                     | n       |         |           |              |         |          |            |           |
|        | SUPPORTING UNDERGROUND STRUCTURE [SUS]                     | 178 | 17-Dec-21 A | 19-Aug-22   |            |        |               | <br> <br>              |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            | 1         |
|        | DDA SUS - Internal Structure                               | 178 | 17-Dec-21 A | 19-Aug-22   |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         | !         |              |         |          |            |           |
|        | DDA - Draft - Preparation by Designer                      | 36  | 17-Dec-21 A | 15-Feb-22 A |            |        |               | DA - D                 | raft - Pr | eparation     | ı by Desi         | ner   |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - Draft - Final Review and prepare for 1st Sub         | 24  | 16-Feb-22 A | 29-Mar-22 A |            |        |               |                        |           |               |                   | DD.   | 0A - Draft - Final Review ar | d prepare   | for 1st                     | t Sub   |         |           |              |         |          |            |           |
|        | DDA - 1st Sub  | 0   |             | 29-Mar-22 A | \          |        |               |                        |           |               |                   | DD    | 0A - 1¦st Sub                |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - Review by SO   | 28  | 30-Mar-22 A | 13-Apr-22 A |            |        |               |                        |           |               | -+                |       | DDA - Review b               | y SO        |                             |         |         |           |              |         |          |            |           |
|        | DDA - Review by IP / DC                                    | 28  | 30-Mar-22 A | 08-Jul-22   |            |        | - 4           | <br>                   |           |               | - 4               |       |                              |             |                             |         |         |           |              |         |          | <b>DDA</b> | ۹- R      |
|        | DDA - Further information required by SO                   | 30  | 14-Apr-22 A | 15-Jul-22   |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            | I DE      |
|        | DDA - 2nd Sub  | 0   |             | 15-Jul-22   |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          | 4          | DD 🜢      |
|        | DDA - 2nd Review by SO                                     | 35  | 16-Jul-22   | 19-Aug-22   |            |        |               |                        |           |               |                   |       |                              |             | ·+                          |         |         |           |              |         |          |            |           |
|        | DDA - SO Consent for Construction                          | 0   |             | 19-Aug-22   |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | C&C TUNNEL / LAUNCHING SHAFT [C&C / LS]                    | 276 | 17-Jul-21 A | 08-Jul-22   |            |        |               | /L                     |           |               | - 4               |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - C&C/LS Permanent Structure (C&C) (SG Scheme)         | 276 | 17-Jul-21 A | 08-Jul-22   |            |        |               | <br>     <br>          |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - Further information required by SO                   | 39  | 17-Jul-21 A | 12-May-22 A | ۱ <b>–</b> |        |               |                        |           |               |                   |       |                              |             | DDA -                       | Further | inform  | mation re | equire       | ed by S | 0        |            |           |
|        | DDA - 5th Sub  | 0   |             | 12-May-22 A | 4          |        |               |                        |           |               |                   |       |                              | <b>♦</b> [  | DDA -                       | 5th Sub | 1       |           |              |         |          |            |           |
|        | DDA - 5th Review by SO                                     | 35  | 13-May-22 A | 08-Jul-22   |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          | <b>DDA</b> | ۱- 5t     |
|        | DDA - SO Consent for Construction                          | 0   |             | 08-Jul-22   |            |        |               |                        |           |               | - <del>,</del>    |       |                              |             | <del>,</del><br>,<br>,<br>, |         |         |           |              |         | - +      | DDA        | ۱- SC     |
|        | Stage 2A Completion  | 0   |             | 08-Jul-22   |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          | ♦ Stag     | ję 2A     |
|        | DDA - C&C/LS Perma nent Structure (Cell 1 & 2) (SG Scheme) | 276 | 17-Jul-21 A | 08-Jul-22   |            |        |               | /<br>/ / / / / /       |           |               | - 4               |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - Further information required by SO                   | 39  | 17-Jul-21 A | 12-May-22 A | ۹ <b>–</b> |        |               |                        |           |               |                   |       |                              |             | DDA -                       | Further | inform  | mation re | equire       | ed by S | 0        |            |           |
|        | DDA - 5th Sub  | 0   |             | 12-May-22 A | ۹          |        |               |                        |           |               |                   |       |                              | • [         | DDA -                       | 5th Sub | ۵       |           |              |         |          |            |           |
|        | DDA - 5th Review by SO                                     | 6   | 13-May-22 A | 08-Jul-22   |            |        |               |                        |           |               |                   |       |                              | ······      | †                           |         |         |           |              |         |          | DDA        | ۹- 5t     |
|        | DDA - SO Consent for Construction                          | 0   |             | 08-Jul-22   |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           | r-<br>!<br>! |         |          | ♦ DDA      | ۱- S(     |
|        | SUB-SEA TBM TUNNEL   | 307 | 29-May-21 A | 13-Jul-22   |            |        |               |                        |           |               | - +               |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - Sub-sea Tunnel - Internal Structure (Corbel & OHVD)  | 134 | -           | 09-Feb-22 A |            |        |               |                        |           |               | -+                |       |                              |             | +                           |         |         |           |              |         |          |            |           |
|        | DDA - Further information required by SO                   | 24  | 29-May-21 A |             |            | on req | luired b      | y SO                   |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - 2nd Sub  | 0   |             | 06-Jan-22 A |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - 2nd Review by SO                                     | 35  | 07-Jan-22 A | 09-Feb-22 A |            | 1      |               |                        | eview by  |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - SO Consent for Construction                          | 0   |             | 09-Feb-22 A |            |        |               | SOCo                   | nsent fo  | or Constru    | uction            |       |                              |             | +                           |         |         |           |              |         |          |            | -<br>     |
|        | DDA Tunnel - General Building Plan                         | 35  | 16-Dec-21 A |             |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - 2nd Review by SO                                     | 35  | 16-Dec-21 A |             |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | DDA - SO Consent for Construction                          | 0   |             | 05-Jan-22 A | rC         | dnstru | iction        | <br>     <br>     <br> |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | FER - Fire Engineering Report (SG Scheme)                  | 222 | 29-Dec-21 A | 13-Jul-22   |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | FER - 3rd Review by SO                                     | 45  |             | 11-Jan-22 A |            | y SO   |               |                        |           |               |                   |       |                              |             |                             |         |         |           |              |         |          |            |           |
|        | FER - Further information required by SO                   | 48  | 12-Jan-22 A | 21-May-22 A |            |        |               |                        |           |               |                   |       |                              |             |                             |         |         | er inforn | natior       | n requi | ed by    | SO         |           |
|        | FER - 4th Sub  | 0   |             | 21-May-22 A | 4          |        |               |                        |           |               |                   |       |                              |             | <b></b>                     | FER-    | 4th S   | ub        |              |         |          |            |           |
| u di l |  | -   |             |             | _          |        |               | . :                    | <u> </u>  |               |                   | 1.2   | , , <u>;</u> I               |             |                             |         | <u></u> |           |              |         | <u> </u> |            |           |

Page 5 of 20 Data Date: 02-Jul-22

- Milestone
  - Critical A divity

Actual Work

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

BOUYGUES TRAVAUX PUBLICS

|       |         |         | A       | August |         | September |    |             |          |        |         | October |    |    |    |                        |  |
|-------|---------|---------|---------|--------|---------|-----------|----|-------------|----------|--------|---------|---------|----|----|----|------------------------|--|
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| Revi  | ewby    | P / D(  | С       |        |         |           |    |             |          |        |         |         |    |    |    |                        |  |
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| JDA   | - Furth | er info | prmati  | onreq  | uired b | y S       | 0  |             |          |        |         |         |    |    |    | 1                      |  |
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| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |

| Activity Name                                      | Dur | Start       | Finish        |                          |              |                                       |                             |                                       |              |                                       |                                       | 2022                   |             |                          | <u>.</u>         |           |                 |             |  |                                       |
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|  |     | 1           |               | February<br>30 06 13 20  | 27 0         | March<br>06 13 20                     | 20 27                       | April<br>7 03 10 17                   | 24 01        | May<br>08 15                          | 5                                     | June<br>29 05 12       | 19 26       | July<br>03 10 17 24 31 0 | August<br>7 14 2 | 21 28     | Septem          | ber 18 25   |  | ctober<br>16 23 )                     |
| FER - 4th Review by SO                             | 45  | 23-May-22 A | 07-Jun-22 A   |                          |              |                                       |                             | 1                                     |              |                                       |                                       | FER-4th                | th Review   | by SO                    |                  |           |                 |             |  |                                       |
| FER - Further information required by SO           | 48  | 08-Jun-22 A | 08-Jun-22 A   |                          |              |                                       |                             | 1                                     |              | ,                                     |                                       | FER-F                  | urther infr | rmation required by SO   |                  |           |                 |             |  |                                       |
| FER - 5th Sub                                      | 0   |             | 08-Jun-22 A   |                          |              |                                       | · · +                       | 1                                     |              |                                       |                                       | ♦ FER - 5t             | th Sub      |                          |                  |           |                 |             |  |                                       |
| FER - 5th Review by SO                             | 45  | 09-Jun-22 A | 13-Jul-22     |                          |              |                                       |                             | 1                                     |              | · · · · · · · · · · · · · · · · · · · |                                       |                        |             | FER - 5th Review by 5    | 60               |           |                 |             |  |                                       |
| FER - SO Consent for Construction                  | 0   |             | 13-Jul-22     |                          |              |                                       |                             | 1                                     |              |                                       |                                       |                        |             | ◆ FER - SO Consent for   | Constructio      | n         |                 |             |  |                                       |
|  |     | 06-Nov-21 A |               |                          | ;            |                                       | ·                           | · · · · · · · · · · · · · · · · · · · |              | · · · · · · · · · · · · · · · · · · · |                                       | ·                      |             |                          |                  |           |                 |             |  | ·                                     |
| DDA - 4th Review by SO                             | 35  | 06-Nov-21 A | 05-Jan-22 A   | SO                       | ;            |                                       |                             |                                       |              |                                       |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - SO Consent for Construction                  | 0   | 1           | 05-Jan-22 A   | r Construction           | ·            |                                       |                             | 1                                     |              |                                       |                                       |                        | 1           |                          |                  |           |                 |             |  |                                       |
| CROSS PASSAGE                                      |     | 01-Sep-21 A |               |                          |              |                                       |                             | 1                                     |              | · · · · · · · · · · · · · · · · · · · |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - Cross Passage - CP TBM Confinement           |     | 01-Sep-21 A |               |                          | +            |                                       |                             | ······                                |              | 4                                     |                                       |                        |             |                          |                  |           |                 |             | <br>     <br>       <br>               |                                       |
| DDA - Review by IP / DC                            |     |             |               | A PA - Review by IP / DC | i i i        |                                       |                             |                                       |              | <br> <br>                             |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - Further information required by SO           | 30  |             |               | DA - Further information | nrequirer    | d by SO                               |                             |                                       |              |                                       |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - 2nd Sub                                      | 0   |             | 28-Jan-22 A   | A DA - 2nd Sub           |              |                                       |                             | 1                                     |              |                                       |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - 2nd Review by SO                             | 35  | 29-Jan-22 A | 26-Mar-22 A   |                          | , <u> i</u>  | ·                                     | <b>DD/</b>                  | DA - 2nd Review by \$                 | / \$0        | :                                     |                                       |                        | 1           |                          |                  |           |                 |             |  |                                       |
| DDA - Further information required by SO           | 30  | 28-Mar-22 A | 21-May-22 A   |                          | ·            |                                       |                             |                                       |              |                                       |                                       | A - Further informatio |             | d by SO                  |                  |           |                 |             |  |                                       |
| DDA - 3rd Sub                                      | 0   | 1           | 21-May-22 A   |                          |              |                                       | · + + + + + + + + + + + + + | 1                                     |              | ·                                     | DDA                                   | A - 3rd Sub            |             | +-                       |                  |           |                 |             |  |                                       |
| DDA - 3rd Review by SO                             | 35  | 23-May-22 A | 10-Jun-22 A   |                          |              |                                       |                             | 1                                     |              | · · · · · · · · · · · · · · · · · · · |                                       | DDA-                   | - 3rd Revie | ew by SO                 |                  |           |                 |             | <br>     <br>     <br>                 | · · · · · · · · · · · · · · · · · · · |
| DDA - SO Consent for Construction                  | 0   |             | 10-Jun-22 A   |                          | ;            |                                       |                             | 1                                     |              |                                       |                                       | DDA -                  | SOCons      | ent for Construction     |                  |           |                 |             |  |                                       |
| DDA - Cross Passage - CP TBM - DCRA                | 260 | 01-Sep-21 A | . 10-Jun-22 A |                          |              |                                       |                             | (                                     |              |                                       |                                       |                        |             |                          |                  |           |                 |             |  | ·                                     |
| DDA - Review by IP / DC                            |     |             |               | A A - Review by IP / DC  |              |                                       |                             | 1                                     |              | · · · · · · · · · · · · · · · · · · · |                                       |                        |             |                          |                  |           |                 |             | ; <u>-</u>                             |                                       |
| DDA - Further information required by SO           | 30  | 07-Oct-21 A | 28-Jan-22 A   | DA - Further information | n require    | d by SO                               | · + +                       | 1                                     |              | ·····                                 |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - 2nd Sub                                      | 0   |             | 28-Jan-22 A   | A DA-2nd Sub             |              |                                       |                             | 1                                     |              |                                       |                                       |                        |             |                          |                  |           |                 |             | <br>                                   |                                       |
| DDA - 2nd Review by SO                             | 35  | 29-Jan-22 A | 26-Mar-22 A   | A                        |              |                                       |                             | the and Davidue by C                  | <i>y</i> \$0 |                                       |                                       |                        |             |                          |                  |           |                 |             | <br> <br> <br>                         |                                       |
| DDA - Further information required by SO           | 30  | 28-Mar-22 A | 21-May-22 A   | A                        |              |                                       |                             | ······                                |              |                                       | 💻 DDA                                 | Further informatic     | on require  | d by SO                  |                  |           |                 |             |  | · · · · · · · · · · · · · · · · · · · |
| DDA - 3rd Sub                                      | 0   |             | 21-May-22 A   |                          |              |                                       |                             | 1                                     |              |                                       |                                       | A - 3rd Sub            |             |                          |                  |           |                 |             |  | ·                                     |
| DDA - 3rd Review by SO                             | 35  | 23-May-22 A | 10-Jun-22 A   |                          |              |                                       |                             | 1                                     |              |                                       |                                       | DDA-                   | - 3rd Revie | ew by SO                 |                  |           |                 |             | ,<br>, , , , , , , , , , , , , , , , , | · · · · · · · · · · · · · · · · · · · |
| DDA - SO Consent for Construction                  | 0   |             | 10-Jun-22 A   |                          |              |                                       |                             | 1                                     |              |                                       |                                       | ◆ DDA-                 | SOCons      | ent for Construction     |                  |           |                 |             |  |                                       |
| EAST VENTILATION BUILDING [EVB]                    | 309 | 26-Oct-21 A | 15-Nov-22     |                          |              |                                       |                             |                                       |              |                                       |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - EVB - ABWF                                   | 203 |             | · ·           |                          | :            |                                       |                             | (                                     |              | · · · · · · · · · · · · · · · · · · · |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - Draft - Final Review and prepare for 1st Sub | 24  | 14-Dec-21 A | 04-Feb-22 A   | A 🔲 DDA - Draft - Final  | Review       | and prepare f                         | for 1st S                   | لٰ                                    |              |                                       |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - 1st Sub                                      | 0   |             | 04-Feb-22 A   | A 🔶 DDA - 1st Sub        |              |                                       |                             |                                       |              |                                       |                                       |                        |             |                          |                  |           |                 |             |  |                                       |
| DDA - Review by SO                                 | 28  | 05-Feb-22 A | 08-Jul-22     |                          | :            |                                       |                             |                                       |              |                                       |                                       |                        |             | DDA - Review by \$0      |                  |           |                 |             | ,                                      |                                       |
| DDA - Review by IP / DC                            | 28  | 05-Feb-22 A | 03-Jul-22     |                          | ·            | ·                                     |                             |                                       |              |                                       |                                       |                        |             | DDA - Review by IP / DC  |                  |           |                 |             |  |                                       |
| DDA - Further information required by SO           | 30  | 09-Jul-22   | 12-Aug-22     |                          |              |                                       |                             | 1                                     |              |                                       |                                       |                        |             |                          | DDA - F          | urther in | nformation r eq | uired by SO |  |                                       |
| DDA - 2nd Sub                                      | 0   |             | 12-Aug-22     |                          |              |                                       |                             | 1                                     |              |                                       |                                       |                        |             |                          | ♦ DDA-2          | nd Sub    |                 |             | <br>     <br>     <br>                 |                                       |
| DDA - 2nd Review by SO                             | 35  | 13-Aug-22   | 16-Sep-22     |                          |              |                                       | ·                           | ·····                                 |              | · · · · · · · · · · · · · · · · · · · |                                       |                        |             |                          |                  |           |                 | DDA - 2nd I | Review by '                            | so                                    |
| DDA - SO Consent for Construction                  | 0   |             | 16-Sep-22     |                          |              |                                       |                             | ( <u> </u>                            |              |                                       |                                       |                        |             |                          |                  |           | •               | DDA - SO    | Consent for                            | Construction                          |
| DDA - EVB - Aesthetic Design                       | 275 | 05-Nov-21 A | 15-Nov-22     | <b>-</b>                 |              |                                       |                             | 1                                     |              |                                       |                                       |                        |             |                          |                  |           |                 | <br>        |  | ·                                     |
| DDA - Review by SO                                 |     | 05-Nov-21 A |               |                          | ,            | · · · · · · · · · · · · · · · · · · · |                             | ······                                |              |                                       | · · · · · · · · · · · · · · · · · · · |                        | i<br>!      | DDA - Review by SO       |                  |           |                 |             |  |                                       |
| DDA - Review by IP / DC                            | 28  | 05-Nov-21 A | 08-Jul-22     |                          |              |                                       |                             |                                       |              |                                       |                                       |                        |             | DDA - Review by IP / DC  |                  |           |                 |             | <br>                                   |                                       |
|  |     | <br>        |               |                          |              |                                       |                             |                                       |              |                                       |                                       |                        |             |                          | Date             |           | Revision        | Checke      |  | 1                                     |
| Page 6 of 20 ♦ Milestone<br>Panned Bar Planned Bar |     |             | 100401        | 04 Trunk F               | <b>•</b> ••• |                                       |                             |                                       |              |                                       | 1/~ m                                 |                        |             | 1                        | B-Dec-19         |           |                 | WYu         |  | Approved                              |
|  |     |             |               |                          |              |                                       |                             |                                       |              |                                       |                                       |                        |             |                          |                  |           |                 |             |  |                                       |

Page 6 of 20 Data Date: 02-Jul-22 Planned Bar Critical A divity

Actual Work

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

BOUYGUES TRAVAUX PUBLICS

|   | Date      | Revision | Checked | Approved |
|---|-----------|----------|---------|----------|
|   | 18-Dec-19 | 00V1     | WYu     |          |
|   | 22-Feb-20 | 01V0     | SPa/LLo | WYu      |
|   | 09-Apr-20 | 01V1     | SPa/LLo | WYu      |
| s | 17-Jul-20 | 01V2     | SPa/LLo | WYu      |
|   | 09-Oct-20 | 01V3     | SPa/LLo | WYu      |
|   | 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|   |           |          |         |          |

| Activity Name   | Dur Si    | art Finish          |   |
|---|-----------|---------------------|---|
|   |           |                     | February     March     April     May     June     July     August     September     October       80     06     13     20     27     06     13     20     27     03     10     17     24     01     08     15     22     29     05     12     19     26     03     10     17     24     21     28     04     11     18     25     02     09     16     25 |
| DDA - Further information required by SO                      | 24 09-J   | ul-22 05-Aug-22     | 2 DDA - Further information required by SO  |
| DDA - 2nd Sub   | 0         | 05-Aug-22           | 2 DDA'- 2nd Sub   |
| DDA - 2nd Review by SO  | 35 06-A   | ug-22 09-Sep-22     |   |
| DDA - 2nd Review by IP  | 35 06-A   | ug-22 09-Sep-22     |   |
| DDA - Further information required by SO                      | 24 10-S   | ep-22 11-Oct-22     | 2 DDA - Furtl   |
| DDA - 3rd Sub   | 0         | 11-Oct-22           | 2   |
| DDA - 3rd Review by SO  | 35 12-C   | ct-22 15-Nov-22     |   |
| DDA Foot Bridge FT-03 [NEW]                                   | 255 26-00 | ct-21 A 09-Sep-22   |   |
| DDA - Review by SO  | 28 26-00  | t-21 A 08-Jul-22    | DDA- Review by \$O  |
| DDA - Review by IP / DC                                       | 28 26-00  | ct-21 A 08-Jul-22   | DDA- Review by iP / DC  |
| DDA - Further information required by SO                      | 24 09-J   | ul-22 05-Aug-22     | 2 DDA- Further information required by SO   |
| DDA - 2nd Sub   | 0         | 05-Aug-22           | 2 DDA- 2nd Sub  |
| DDA - 2nd Review by SO  | 35 06-A   | ug-22 09-Sep-22     | 2 DDA- 2nd Review by SO   |
| DDA - SO Consent for Construction                             | 0         | 09-Sep-22           | 2 DDA- SO Consent for Construction  |
| DDA - EVB - General Building Plan (including SoA) (SG Scheme) | 79 04-De  | c-21 A 28-Feb-22    |   |
| DDA - 3rd Review by SO  | 35 04-De  | c-21 A 28-Feb-22    | A DDA - 3rd Review by SO  |
| DDA - SO Consent for Construction                             | 0         | 28-Feb-22           | A DDA - SD Consent för Construction   |
| TUNNEL E&M INSTALLATION & COMMISSIONING                       | 415 15-Ma | ır-21 A 29-Nov-22   | 2   |
| DDA - E&M Tunnel Ventilation Design (SG Scheme)               | 164 08-De | 3                   |   |
| DDA - 3rd Review by SO  |           | c-21 A 24-Feb-22 A  |   |
| DDA - Further information required by SO                      | 42 25-Fe  |                     |   |
| DDA - 4th Sub   | 0         | 09-Jul-22           |   |
| DDA - 4th Review by SO  | 35 10-J   | ul-22 13-Aug-22     |   |
| DDA - SO Consent for Construction                             | 0         | 13-Aug-22           | 2 DDA - SO Consent for Construction   |
| DDA - E&M Air Purification System (WVB)                       | 331 15-Ma |                     |   |
| DDA - Review by IP / DC                                       |           | ır-21 A 03-Mar-22 A |   |
| DDA - Further information required by SO                      | 42 12-Ma  | y-21 A 10-Mar-22 A  |   |
| DDA - 2nd Sub   | 0         | 10-Mar-22 A         |   |
| DDA - 2nd Review by SO  | 35 11-Ma  | ır-22 A 12-Apr-22 A |   |
| DDA - Further information required by SO                      | 42 13-Ap  | r-22 A 15-Jun-22 A  |   |
| DDA - 3rd Sub   | 0         | 15-Jun-22 A         | A DDA - 3rd \$ub  |
| DDA - 3rd Review by SO  | 35 16-Ju  | n-22 A 20-Jul-22    | 2 DDA - 3rd Review by SO  |
| DDA - SO Consent for Construction                             | 0         | 20-Jul-22           | 2 DDA - SO Consent for Construction   |
| DDA - E&M Fire Services Installation                          | 252 09-Ju |                     |   |
| DDA - Review by IP / DC                                       | 28 09-Ju  |                     |   |
| DDA - Further information required by SO                      | 32 07-Ju  |                     |   |
| DDA - 2nd Sub   | 0         | 11-Feb-22 /         |   |
| DDA - 2nd Review by SO  | 35 12-Fe  | b-22 A 26-Mar-22 A  |   |
| DDA - Further information required by SO                      | 32 28-Ma  | ır-22 A 14-Apr-22 A | A DDA - Further information required by SO  |
| DDA - 3rd Sub   | 0         | 14-Apr-22 /         | A DDA - 3rd S µb  |
| Page 7 of 20 ♦ Miestone                                       | ; /       | <u>I</u>            | Date Revision Checked Approved  |
| Data Date: 02-Jul-22  | E         | ED/2018/            | /04 Trunk Road T2 and Infrastructure Works  |
| Critical A divity     Actual Milestone                        |           |                     | for Developments at South Apron   |
| Actual Work   |           |                     |   |
|   |           | Thre                | ee Months Rolling Programme (Jun-22)  |
|   |           |                     |   |

| Activity Name                                      | Dur               | Start       | Finish      |                   |             | 2022   |   |
|--|-------------------|-------------|-------------|-------------------|-------------|--|---|
|  |                   |             |             | Februa<br>30 06 1 |             | March         April         May         June           27         06         13         20         27         03         10         17         24         01         08         15         22         29         05         12         19         26         03         17 | July         August         September         October           10         17         24         31         07         14         21         28         04         11         18         25         02         09         16         23         0 |
| DDA - 3rd Review by SO                             | 35 1              | 15-Apr-22 A | 08-Jul-22   |                   |             |  | DDA - 3rd Review by SO  |
| DDA - SO Consent for Construction                  | 0                 |             | 08-Jul-22   |                   |             | • C  | DA:- SO Consent for Construction  |
| DDA - E&M MVAC                                     | 278 1             | 7-Dec-21 A  | 06-Jun-22 A |                   |             |  |   |
| DDA - Further information required by SO           | 32 1              | 7-Dec-21 A  | 21-Feb-22 A |                   | DD/         | - Further information required by SO   |   |
| DDA - 3rd Sub                                      | 0                 |             | 21-Feb-22 A |                   | ◆ DD        | - 3/d Sub  |   |
| DDA - 3rd Review by SO                             | 35 22             | 22-Feb-22 A | 23-Mar-22 A |                   |             | DDA - 3rd Review by SO   |   |
| DDA - Further information required by SO           | 32 24             | 24-Mar-22 A | 06-May-22 A |                   |             | DDA:- Further information required by SO   |   |
| DDA - 4th Review by SO                             | 35 05             | 5-May-22 A  | 06-Jun-22 A |                   |             | DDA - 4th Review by SO   |   |
| DDA - 4th Sub                                      | 0                 |             | 06-May-22 A |                   |             | ◆ DDA:- 4th \$ub   |   |
| DDA - SO Consent for Construction                  | 0                 |             | 06-Jun-22 A |                   |             | ◆ DDA - SO Consent for Constr  | uctión  |
| DDA - E&M Plumbing & Drainage System               | 169 24            | 4-Dec-21 A  | 08-Jul-22   |                   |             |  |   |
| DDA - 2nd Review by SO                             | 35 24             | 24-Dec-21 A | 24-Jan-22 A | - 2nd Reviev      | by SO       |  |   |
| DDA - Further information required by SO           | 32 2              | 25-Jan-22 A | 26-May-22 A |                   |             | DDA + Further information required by S  | 50  |
| DDA - 3rd Sub                                      | 0                 |             | 26-May-22 A |                   |             | ◆ DDA - 3rd Sub  |   |
| DDA - 3rd Review by SO                             | 35 27             | 7-May-22 A  | 08-Jul-22   |                   |             |  | DDA - 3rd Review by SO  |
| DDA - SO Consent for Construction                  | 0                 |             | 08-Jul-22   |                   |             |  | DDA SO Consent for Construction   |
| DDA - E&M Electrical Installation                  | 278 1             |             | 20-Aug-22   |                   |             |  |   |
| DDA - Review by IP / DC                            | 28 1              | 16-Jul-21 A | 19-Jan-22 A | eview by IP / [   | C           |  |   |
| DDA - Further information required by SO           | 33 2              | 25-Aug-21 A | 19-Jan-22 A | rther information | ion require | bySO   |   |
| DDA - 2nd Sub                                      | 0                 |             | 19-Jan-22 A | d Sub             |             |  |   |
| DDA - 2nd Review by SO                             | 35 20             | 20-Jan-22 A | 24-Feb-22 A |                   |             | DA - 2nd Review by SO  |   |
| DDA - Further information required by SO           | 33 2              | 25-Feb-22 A | 25-May-22 A |                   |             | DDA - Further information required by St   | 0   |
| DDA - 3rd Sub                                      | 0                 |             | 25-May-22 A |                   |             | ◆ DDA - 3rd Sųb  |   |
| DDA - 3rd Review by SO                             | 35 26             | 6-May-22 A  | 21-Jun-22 A |                   |             | DDA - 3rd Revie  | w by SO   |
| DDA - Further information required by SO           | 33 22             | 2-Jun-22 A  | 16-Jul-22   |                   |             |  | DDA - Further information required by SO  |
| DDA - 4th Sub                                      | 0                 |             | 16-Jul-22   |                   |             |  | ◆ DDA - 4th Sub   |
| DDA - 4th Review by SO                             | 35                | 17-Jul-22   | 20-Aug-22   |                   |             |  | DDA - 4th Review by SO  |
| DDA - SO Consent for Construction                  | 0                 |             | 20-Aug-22   |                   | ·           |  | ◆ DDA - SO Consent for Construction   |
| DDA CLP Submission - Power Supply to EVB & WVB     | 63 1 <sup>°</sup> | 1-Dec-21 A  | 28-Feb-22 A |                   |             |  |   |
| DDA - Further information required by SO           | 34 1              | 1-Dec-21 A  | 10-Feb-22 A |                   | A - Furthe  | information required by SO   |   |
| DDA - 4th Sub                                      | 0                 |             | 10-Feb-22 A | ◆ DD              | A - 4th Su  |  |   |
| DDA - 4th Review by SO                             | 35 1              | 1-Feb-22 A  | 28-Feb-22 A |                   | ·  + ·      | DDA - 4th Review by SO   |   |
| DDA - SO Consent for Construction                  | 0                 |             | 28-Feb-22 A |                   |             | DDA - SO Consent för Construction  |   |
| DDA - E&M Tunnel Lighting Design                   |                   |             | 20-Aug-22   |                   |             |  |   |
| DDA - Draft - Final Review and prepare for 1st Sub | 12 29             | 29-Nov-21 A | 13-Jan-22 A | inal Review a     | ind prepare | for 1st Sub  |   |
| DDA - 1st Sub                                      | 0                 |             | 13-Jan-22 A |                   |             |  |   |
| DDA - Review by SO                                 |                   |             | 07-Feb-22 A |                   |             |  |   |
| DDA - Review by IP / DC                            | 28 14             | 4-Jan-22 A  | 07-Feb-22 A | DDA               | Reviewb     | IP / DC  |   |
| DDA - Further information required by SO           | 24 0              | 08-Feb-22 A | 11-May-22 A |                   |             | DDA - Further information required by SO   |   |
|  | //                |             |             | • · · ·           |             |  |   |

Page 8 of 20 Data Date: 02-Jul-22

- Milestone
   Planned Bar
   Otilize14 diult
- Critical A divity

  Critical A divity

  Actual Milestone

  Actual Work

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

BOUYGUES TRAVAUX PUBLICS



| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |

| Activity Name   | Dur Start       | Finish      |                                       |                          |                   |               |  |                                       | 2022                      |                              |               |                           |                                     |                                       |              |
|---|-----------------|-------------|---------------------------------------|--------------------------|-------------------|---------------|--|---------------------------------------|---------------------------|------------------------------|---------------|---------------------------|-------------------------------------|---------------------------------------|--------------|
|   |                 |             | Februa<br>80 06 13                    |                          | Marc 27 06 13     | h 20 27       | April [<br>03 10 17 24 01 08             | May<br>15 22 2                        | June<br>29 05 12 19 26    | July Augu                    |               | September<br>8 04 11 18   | 25 0                                | October                               | er<br>6 23 D |
| DDA - 2nd Sub   | 0               | 11-May-22 A |                                       | 20                       |                   | 20 21         |  | DDA - 2nd Sub                         |                           |                              |               |                           | 23 0                                | 2 07 1                                | 23 5         |
| DDA - 2nd Review by SO  | 35 12-May-22 A  | 09-Jun-22 A |                                       |                          |                   |               |  | · · · · · · · · · · · · · · · · · · · | DDA 2nd Review            | by SO                        |               |                           |                                     |                                       |              |
| DDA - Further information required by SO                              | 24 10-Jun-22 A  | 16-Jul-22   |                                       |                          |                   |               |  |                                       |                           | DDA - Further information    | required by   | sα                        |                                     |                                       | ++-          |
| DDA - 3rd Sub   | 0               | 16-Jul-22   |                                       |                          | i                 |               | ·  |                                       |                           | ♦ DDA - 3rd Sub              |               |                           |                                     |                                       |              |
| DDA - 3rd Review by SO  | 35 17-Jul-22    | 20-Aug-22   |                                       |                          |                   |               | <u>+</u> ++++++                          |                                       |                           |                              | DDA - 3       | rd Review by SO           |                                     |                                       |              |
| DDA - SO Consent for Construction                                     | 0               | 20-Aug-22   |                                       |                          |                   |               |  |                                       |                           |                              | ♦ DDA - S     | O Consent for Con         | struction                           |                                       |              |
| DDA-E&MCMCS   | 181 04-Dec-21 A | 11-Jul-22   |                                       |                          |                   |               |  | <br>                                  |                           |                              |               |                           |                                     |                                       |              |
| DDA - Review by IP / DC   | 36 04-Dec-21 A  | 31-May-22 A | · · · · · · · · · · · · · · · · · · · |                          | ·                 |               | T  |                                       | DDA - Review by IP / DC   |                              |               |                           |                                     |                                       |              |
| DDA - Further information required by SO                              | 24 23-Dec-21 A  | 06-Jun-22 A | ·                                     | i                        | ·                 |               | *<br><br><br><br><br><br>                |                                       | DDA - Further informa     | ation required by SO         |               |                           |                                     |                                       | +-           |
| DDA - 2nd Sub   | 0               | 06-Jun-22 A |                                       |                          | ·                 |               | 1 L                                      |                                       | DDA - 2nd Sub             |                              |               |                           | - L J<br>I I I<br>I I<br>I I<br>I I | I I<br>I I<br>I I<br>I I<br>I I       |              |
| DDA - 2nd Review by SO  | 35 07-Jun-22 A  | 11-Jul-22   |                                       |                          |                   |               |  |                                       |                           | DDA - 2nd Review by SO       |               |                           |                                     |                                       |              |
| DDA - SO Consent for Construction                                     | 0               | 11-Jul-22   |                                       |                          |                   |               |  |                                       |                           | DDA - SO Consent for Constru | uction        | <b>↓</b> - <b>↓ ↓ ↓ ↓</b> |                                     |                                       |              |
| AIP - Civil Provision for TCSS  | 85 12-Jul-22    | 21-Oct-22   |                                       |                          |                   |               | · · · · · · · · · · · · · · · · · · ·    |                                       | +++++++-+-+++-+-+++++++++ |                              |               |                           |                                     |                                       |              |
| AIP - Draft - Preparation by Designer                                 | 22 12-Jul-22    | 05-Aug-22   |                                       |                          |                   |               |  |                                       |                           | AIP - Dra                    | aft - Prepara | tion by Designer          |                                     |                                       |              |
| AIP - Draft - Final Review and prepare for 1st Sub                    | 12 06-Aug-22    | 19-Aug-22   |                                       |                          |                   |               | *  |                                       |                           |                              | 📕 AIP - Dr    | aft - Final Review a      | nd prepare                          | for 1st Sub                           | +-           |
| AIP - 1st Sub   | 0               | 19-Aug-22   |                                       |                          |                   |               | <u>.</u>                                 |                                       |                           |                              | ♦ AIP - 1s    |                           |                                     |                                       |              |
| AIP - Review by SO  | 28 20-Aug-22    | 16-Sep-22   |                                       |                          |                   |               |  |                                       |                           |                              | ·····         | AIF                       | P - Review I                        | y \$O                                 |              |
| AIP - Review by IP / DC   | 28 20-Aug-22    | 16-Sep-22   |                                       |                          |                   |               | ++++++                                   |                                       |                           |                              |               | Alf                       |                                     |                                       |              |
| AIP - Update & prepare for 2nd Sub                                    | 6 17-Sep-22     | 23-Sep-22   |                                       |                          |                   |               |  |                                       |                           |                              |               |                           | AIP Up                              | idate & prepa                         | are for 2nd  |
| AIP - 2nd Sub   | 0               | 23-Sep-22   |                                       |                          |                   |               |  |                                       |                           |                              |               |                           | ♦ AIP - 2n                          | d Sub                                 |              |
| AIP - 2nd Review by SO  | 28 24-Sep-22    | 21-Oct-22   |                                       |                          | ·                 |               |  |                                       |                           |                              |               |                           |                                     | · · · · · · · · · · · · · · · · · · · | AIP - 2      |
| AIP - SO Consent for DDA Submission                                   | 0               | 21-Oct-22   |                                       |                          |                   |               | <u>+</u> +++++++-                        |                                       |                           |                              |               |                           | L<br>     <br>                      |                                       | ♦ AIP - :    |
| DDA - Civil Provision for TCSS  | 33 22-Oct-22    | 29-Nov-22   |                                       |                          |                   |               | ++                                       |                                       |                           |                              |               |                           |                                     |                                       |              |
| DDA - Draft - Preparation by Designer                                 | 33 22-Oct-22*   | 29-Nov-22   |                                       |                          |                   |               | <u>+</u>                                 |                                       |                           |                              |               |                           |                                     |                                       |              |
| PAYMENT MILESTONE   | 424 13-Jan-22 A | 28-Oct-22   |                                       |                          |                   |               | ÷  |                                       |                           |                              |               |                           |                                     |                                       |              |
| 1.1 Preliminaries and General Requirements                            | 98 13-Jan-22 A  | 13-Apr-22 A |                                       |                          |                   |               |  |                                       |                           |                              |               |                           |                                     |                                       |              |
| 1.1.42 Monthly Remaining value of this Cost Centre 1 Month 26         | 0               | 13-Jan-22 A | Remaining va                          | lue of this              | Cost Centre 1     | Vionth 26     |  |                                       |                           |                              |               |                           |                                     |                                       |              |
| 1.1.42 Monthly Remaining value of this Cost Centre 1 Month 27         | 0               | 14-Feb-22 A |                                       | 1.1.42 Mo                | nthly Remaining   | yalue of this | Cost Centre 1 Month 27                   |                                       |                           |                              |               |                           |                                     | ·                                     |              |
| 1.1.42 Monthly Remaining value of this Cost Centre 1 Month 28         | 0               | 14-Mar-22 A |                                       |                          | ♦ 1               | .1.42 Month   | Remaining value of this Cost Centre      | 1 Month 28                            |                           |                              |               |                           |                                     |                                       |              |
| 1.1.42 Monthly Remaining value of this Cost Centre 1 Month 29         | 0               | 13-Apr-22 A |                                       |                          |                   |               | ◆ 1.1.42 Monthly Remainin                | y value of this C                     | Cost Centre 1 Month 29    |                              |               |                           |                                     | ·····                                 |              |
| 3.1 for Trunk Road T2   | 162 13-Jan-22 A | 19-Aug-22   |                                       |                          |                   |               |  |                                       |                           |                              |               |                           |                                     |                                       |              |
| 3.1.50 Approval AIP for completion of SUS                             | 0               | 13-Jan-22 A | al AIP for com                        | pletion of S             | US                |               |  |                                       |                           |                              |               |                           |                                     |                                       |              |
| 3.1.52 Approval DDA for completion of SUS                             | 0               | 19-Aug-22   |                                       |                          |                   |               |  |                                       |                           |                              | ♦ 3.1 .52 /   | Approval DDA for co       | mpletion of                         | sus                                   |              |
| 3.3 for the Remaining Stage 5 Infrastructure Works - Road L10 (Southe | 0 13-Jan-22 A   | 13-Jan-22 A |                                       |                          |                   |               |  |                                       |                           |                              |               |                           |                                     |                                       |              |
| 3.3 .16 Approval DDA for waterworks                                   | 0               | 13-Jan-22 A | al DDA for wat                        | erworks                  |                   |               |  |                                       |                           |                              |               |                           |                                     |                                       |              |
| 3.4 for the Remaining Stage 5 Infrastructure Works - FT02             | 51 13-Jan-22 A  | 14-Mar-22 A |                                       |                          |                   |               |  | ii                                    |                           |                              |               |                           |                                     |                                       |              |
| 3.4 .10 Approval DDA for modification of existing footbridge          | 0               | 13-Jan-22 A | al DDA for mo                         | dification o             | f existing footbr | idge          |  |                                       |                           |                              |               |                           |                                     |                                       |              |
| 3.4.12 Approval Demolition plan for existing footbridge               | 0               | 14-Mar-22 A |                                       |                          | ♦ 3               | 8.4 .12 Appro | al Demolition plan for existing footbric | ge                                    |                           |                              |               |                           |                                     |                                       |              |
| 3.4.13 Complete whole activities of this cost centre                  | 0               | 14-Mar-22 A |                                       |                          | ♦ 3               | 8.4 .13 Comp  | ete whole activities of this cost centre |                                       |                           |                              |               |                           |                                     | · · · · · · · · · · · · · · · · · · · |              |
| 3.5 for Lam Chak Street and Kai Hing Road                             | 21 27-Jul-22    | 20-Aug-22   |                                       | IL-<br>I I<br>I I<br>I I |                   | - 4           |  |                                       |                           |                              |               |                           |                                     | · L                                   |              |
|   |                 |             |                                       |                          |                   |               |  |                                       |                           |                              |               |                           |                                     |                                       |              |

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Actual Work

Critical A divity

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

BOUYGUES TRAVAUX PUBLICS



| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |

| Activity Name   | Dur | Start       | Finish      | _                                     |   |                   |                         |                |                     |        |                          |      |                                       | 2022           |          | 1              |              |          |                | -              |                                       | _                                     |               | _           |              |
|---|-----|-------------|-------------|---------------------------------------|---|-------------------|-------------------------|----------------|---------------------|--------|--------------------------|------|---------------------------------------|----------------|----------|----------------|--------------|----------|----------------|----------------|---------------------------------------|---------------------------------------|---------------|-------------|--------------|
|   |     |             |             |                                       | ebruary<br>13                                     | 20                | March<br>27 06 13 20 27 | 03 10          | April<br>)   17   2 | 4 01 0 | May<br>08   15           | 22 2 | 9 05                                  | June<br>12     | 19 26    | 03 1           | July<br>0 17 | 24 3     |                | igust<br>14 21 |                                       | September                             | 8 25 0        | Octob       | er<br>16 23  |
| 3.5.8 Approval DDA for roadworks  | 0   |             | 27-Jul-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              |          |                | I DDA for ro   |                                       |                                       |               |             |              |
| 3.5.24 Approval DDA for landscape works   | 0   |             | 27-Jul-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              | ♦ 3.5    | .24 Approv     | al DDA for la  | andscapev                             | works                                 |               |             |              |
| 3.5.25 Complete whole activities of this cost centre                            | 0   |             | 27-Jul-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              | ◆ 3.5    | .25 Compl      | ete whole ac   | tivities of th                        | nis cost ce                           | ntre          |             |              |
| 3.5 .12 Approval DDA for storm water drainage works                             | 0   |             | 20-Aug-22   | !                                     |   | L.                |                         | - +            |                     |        | ·                        |      |                                       | L<br>     <br> |          |                |              |          |                | ♦ 3.5.1        | 2 Approva                             | IDDA for s                            | stormwater d  | raihage wo  | rks          |
| 3.5 .16 Approval DDA for waterworks   | 0   |             | 20-Aug-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              |          |                | 3.5 .1         | 6 Approva                             | IDDA for \                            | waterworks    |             |              |
| 3.5 .20 Approval DDA for sewage works   | 0   |             | 20-Aug-22   |                                       | +   |                   |                         | - +            |                     |        |                          |      |                                       |                |          |                |              |          |                | ♦ 3.5.2        | 20 Approva                            | I DDA for s                           | sewage work   | S           |              |
| 3.6 for Road L10 (Northern Section)   | 0   | 02-Jul-22   | 02-Jul-22   |                                       | +   |                   |                         | -+             |                     |        |                          |      |                                       |                |          |                |              |          |                |                |                                       | +                                     |               |             |              |
| 3.6 .8 Approval DDA for Road L10 (northern section)                             | 0   |             | 02-Jul-22*  |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          | ◆ 3.6 .8 /     | pproval DI   | DA for R | oad L10 (n     | orthern sect   | ion)                                  |                                       |               |             |              |
| 3.6.9 Complete whole activities of this cost centre                             | 0   |             | 02-Jul-22*  |                                       |   |                   |                         | -+             |                     |        | ·   ·<br> <br> <br> <br> |      |                                       |                |          | ◆ 3.6 .9 (     | Complete w   | hole act | tivities of th | is cost centr  | e                                     | +                                     |               |             |              |
| 3.9 for the Pipelines for District Cooling System for Commissioning of          | 0   | 02-Jul-22   | 02-Jul-22   |                                       | · +   |                   |                         | - +            |                     |        | · l                      |      | · L                                   | !              |          |                |              |          |                |                | · · · · · · · · · · · · · · · · · · · | +                                     | L             |             |              |
| 3.9.11 Submit O&M manual for DCS pipelines                                      | 0   |             | 02-Jul-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          | ♦ 3.9.11       | Submit O&    | M mạnu   | al for DCS     | pipelines      |                                       |                                       |               |             |              |
| 4.2 Depressed Road and Remaining Ventilation Adits at the South Aprc            | 0   | 02-Jul-22   | 02-Jul-22   |                                       | · · · · · · · · · · · · · · · · · · ·             |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              |          |                |                |                                       | ·                                     |               |             |              |
| 4.2.23 Complete foundation of Depressed Road by length 1                        | 0   |             | 02-Jul-22*  |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              | 1        |                | essed Road     |                                       | 1                                     |               |             |              |
| 4.2.31 Complete permanent structure of Depressed Road by length 1               | 0   |             | 02-Jul-22*  |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          | ♦ 4.2 .31      | Complete     | perman   | entstructur    | e of Depres    | sed Road                              | by length 1                           | 1             |             |              |
| 5.2 Completion of SUS   | 0   | 17-Oct-22   | 17-Oct-22   |                                       |   |                   |                         | -+             |                     |        |                          |      |                                       |                |          |                |              |          |                |                |                                       | +                                     |               |             |              |
| 5.2 .5 Complete overhead ventilation duct slab by length 0.1                    | 0   |             | 17-Oct-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              |          |                |                |                                       |                                       |               |             | • 5.2 .5 Co  |
| 6.2 TBM Tunnel  |     | 10-Sep-22   | 24-Oct-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              |          |                |                |                                       |                                       |               |             |              |
| 6.2 .31 Complete TBM Tunnel overhead ventilation duct slab 0.1                  | 0   |             | 10-Sep-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              |          |                |                |                                       |                                       | Complete TE   |             |              |
| 6.2 .7 Complete excavation & installation of TBM Tunnel lining by length 0.35   | 0   |             | 22-Sep-22   |                                       |   | L                 |                         |                |                     |        |                          |      |                                       |                |          |                |              |          |                |                |                                       |                                       | ◆  6.2 .7  Co | <u> </u>    |              |
| 6.2.8 Complete excavation & installation of TBM Tunnel lining by length 0.4     | 0   |             | 08-Oct-22   |                                       |   |                   |                         |                |                     |        | 1                        |      |                                       |                |          |                |              |          |                |                |                                       |                                       |               | 🔶 6.2 .β (  | Complete e   |
| 6.2 .24 Complete TBM Tunnel waterproofing 0.4                                   | 0   |             | 08-Oct-22   | · · · · · · · · · · · · · · · · · · · |   |                   |                         |                |                     |        |                          |      | · · · · · · · · · · · · · · · · · · · |                |          |                |              |          |                |                |                                       |                                       |               | ♦ 6.2.24    | 4 Complete   |
| 6.2 .41 Complete TBM Tunnel Thermal Barrier to tunnel lining 0.1                | 0   |             | 18-Oct-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          | +              |              |          |                |                |                                       |                                       |               |             | ● 6.2 .41 (  |
| 6.2.9 Complete excavation & installation of TBM Tunnel lining by length 0.45    | 0   |             | 19-Oct-22   |                                       |   |                   |                         |                |                     |        |                          |      | 1                                     |                |          | + +            |              |          |                |                |                                       | +                                     |               |             | ♦ 6.2.90     |
| 6.2 .32 Complete TBM Tunnel overhead ventilation duct slab 0.2                  | 0   |             | 24-Oct-22   |                                       |   | L .<br> <br> <br> |                         |                |                     |        | L                        |      |                                       |                |          | + +            |              |          |                |                |                                       |                                       |               |             | ♦ 6.2        |
| 6.3 Cross Passages for TBM Tunnel   | 40  | 03-Sep-22   | 24-Oct-22   |                                       |   |                   |                         |                |                     |        | ·                        |      |                                       |                |          | + +            |              |          |                |                |                                       | 1                                     | ·             |             |              |
| 6.3 .5 Complete Ground treatment for all Cross Passages 0.2                     | 0   |             | 03-Sep-22   |                                       |   |                   |                         |                |                     |        | 1                        |      |                                       |                |          |                |              |          |                |                | ♦ 6.3                                 | .5 Comple                             | ete Ground tr | eatment for | all Cross I  |
| 6.3 .14 Complete excavation and support of Cross Passages 0.1                   | 0   |             | 17-Sep-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       | ;              |          |                |              |          |                |                |                                       | <b>•</b> 6.                           | .3 .14 Compl  | ete excavat | tion and su  |
| 6.3 .6 Complete Ground treatment for all Cross Passages 0.3                     | 0   |             | 17-Oct-22   |                                       | · <del></del>                                     |                   |                         |                |                     |        |                          |      |                                       |                |          | +              |              |          |                |                |                                       | +                                     |               | •           | 6.3 .6 Co    |
| 6.3 .15 Complete excavation and support of Cross Passages 0.2                   | 0   |             | 24-Oct-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          | + +            |              |          |                |                |                                       |                                       |               |             | ♦ 6.3        |
| 7.1 Western Ventilation Building  | 74  | 13-Jun-22 A | 29-Sep-22   |                                       |   |                   |                         |                | - L                 |        |                          |      | ·                                     | !              |          | + +<br>+       |              |          |                |                |                                       |                                       |               |             |              |
| 7.1 .5 Complete pile foundation for WVB 0.5                                     | 0   |             | 13-Jun-22 A |                                       |   |                   |                         |                |                     |        |                          |      |                                       | ♦ 7.1          | .5 Comp  | lete pile fou  | ndation for  | WVB 0    | .5             |                |                                       |                                       |               |             |              |
| 7.1 .6 Complete pile foundation for WVB 1                                       | 0   |             | 18-Jun-22 A |                                       | · • • • • • • • • • • • • • • • • • • •           |                   |                         |                |                     |        |                          |      |                                       |                | 7.1 .6 C | omplete pil    | foundatio    | n for WV | /B 1           |                |                                       | · · · · · · · · · · · · · · · · · · · |               |             |              |
| 7.1 .7 Complete concrete works of gross plan area for WVB 0.25                  | 0   |             | 29-Sep-22   |                                       | · <del>;</del>                                    |                   |                         |                |                     |        |                          |      |                                       |                |          | +              |              |          |                |                |                                       | +                                     | ♦ 7.1         | .7 Comple   | ete concrete |
| 8.1 Eastern Ventilation Building  | 0   | 15-Sep-22   | 15-Sep-22   |                                       | · <del>· · · · · · · · · · · · · · · · · · </del> |                   |                         |                |                     |        | ·                        |      |                                       |                |          | ++             |              |          |                |                |                                       | +                                     |               |             |              |
| 8.1.3 Complete excavation for EVB 1   | 0   |             | 15-Sep-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              |          |                |                |                                       | ♦ 8.1                                 | .3 Complete   | excavation  | n for EVB    |
| 9.1 Launching Shaft   | 36  | 03-Sep-22   | 19-Oct-22   |                                       |   |                   |                         |                |                     |        | <br> <br> <br> <br> <br> |      | ·                                     | !              |          | +              |              |          |                |                |                                       |                                       |               |             |              |
| 9.1.18 Complete permanent wall & bottom slab for Launching Shaft by length 0.2  | 0   |             | 03-Sep-22   |                                       |   | <br> <br> <br>    |                         |                |                     |        | 1                        |      |                                       |                |          |                |              |          |                |                | ♦ 9.1                                 | 18 Comp                               | oletė permano |             |              |
| 9.1 .19 Complete permanent wall & bottom slab for Launching Shaft by length 0.4 | 0   |             | 05-Oct-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          |                |              |          |                |                |                                       |                                       |               | 9.1.19 C    |              |
| 9.1 .20 Complete permanent wall & bottom slab for Launching Shaft by length 0.6 | 0   |             | 19-Oct-22   |                                       |   |                   |                         |                |                     |        |                          |      |                                       |                |          | 1              |              |          |                |                |                                       |                                       |               |             | 9.1.20       |
| 11.1 Drill and Break Tunnel   | 186 | 12-Feb-22 A | 15-Oct-22   |                                       |   |                   |                         | - <del> </del> |                     |        | · ¦ ·                    |      |                                       |                |          | + <del> </del> |              |          |                | ¦¦-<br> <br>   |                                       |                                       |               |             |              |
|   |     |             |             |                                       |   |                   | ·                       |                |                     |        |                          |      |                                       |                |          |                | · · · ·      |          | · · · ·        | `              |                                       |                                       |               |             |              |

Page 10 of 20 Data Date: 02-Jul-22 Milestone
Planned Bar
Critical A divity

Actual Milestone

Actual Work

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

BOUYGUES TRAVAUX PUBLICS



| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |

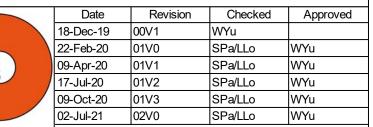
| Activity Name  | Dur | Start       | Finish      | 2022   |
|--|-----|-------------|-------------|--|
|  |     |             |             | February     March     April     May     June     July     August     September     October       80     06     13     20     27     03     10     17     24     01     08     15     22     29     05     12     19     26     03     10     17     24     01     08     15     22     29     05     12     19     26     03     10     17     24     04     11     18     25     02     09     16     23     0 |
| 11.1.2 Complete tunnel excavation 0.3 by length                        | 0   |             | 12-Feb-22 A |  |
| 11.1.2 Complete tunnel excavation 0.4 by length                        | 0   |             | 13-May-22 A | ♦ 11.1.2 Complete tunnel excavation 0.4 by length  |
| 11.1.2 Complete tunnel excavation 0.5 by length                        | 0   |             | 13-Jun-22 A | ◆ 11.1.2 Complete tunnel excavation 0.5 by length  |
| 11.1.3 Complete tunnel excavation 0.6 by length                        | 0   |             | 26-Aug-22   | ◆ 11 1.3 Complete tunnel excavation 0.6 by length  |
| 11.1.5 Complete tunnel excavation 0.7 by length                        | 0   |             | 20-Sep-22   | ◆ 11.1.5 Complete tunnel excavation  |
| 11.1.7 Complete tunnel excavation 0.8 by length                        | 0   |             | 15-Oct-22   | ◆ 11.1;7 Com   |
| 12.1 Drill and Blast Tunnel  | 177 |             |             |  |
| 12.1.10 Complete tunnel excavation 0.9 by length                       | 0   |             | 14-Mar-22 A | ◆ 12.1.10 Complete tunnel excavation 0.9 by length   |
| 12.1.11 Complete tunnel excavation 1 by length                         | 0   |             | 13-Apr-22 A | ◆ 12.1.11 Complete tunnel excavation 1 by length   |
| 13.1 Lam Tin Interchange Works   | 0   |             | 20-Oct-22   |  |
| 13.1.1 Complete foundation   | 0   |             | 20-Oct-22*  | ◆ 13.1.1   |
| 15.0 E&M Design Works  |     |             | U           |  |
| 15.0.25 Submit DDA for Tunnel lighting system                          | 0   |             |             |  |
| 15.0 .26 Approval DDA for Tunnel lighting system                       | 0   |             | 20-Aug-22   | ◆ 15.0.26 Approval DDA for Tunnel Ighting system   |
| 15.4 APS Works for Western Ventilation Building                        | 0   | · · · ·     | 17-Sep-22   |  |
| 15.4.1 Complete site delivery of DeNO2 filters                         | 0   |             | 17-Sep-22*  | ● 15.4: 1 Complete site delivery of DeN  |
| 15.4.3 Complete site delivery of electrostatic precipitation system    | 0   |             | 17-Sep-22*  | ◆ 15.4, 3 Complete site delivery of elec   |
| 15.4 .5 Complete site delivery of wash down system                     | 0   |             | 17-Sep-22*  | ◆ 15.4.5 Complete site delivery of was   |
| 15.4.7 Complete site delivery of support system                        | 0   |             | 17-Sep-22*  | ◆ 15.4.7 Complete site delivery of sup   |
| 17.1 Works under Sections 6A, 6C and 12 and Associated Landscape 1     | 66  | 09-Aug-22   | 28-Oct-22   |  |
| 17.1.13 Complete footpath 0.25   | 0   |             | 09-Aug-22   | ◆ 17.1.13 Complete footpath 0.25   |
| 17.1.15 Complete footpath 0.8  | 0   |             | 21-Sep-22   | ◆ 17.1.15 Complete footpath 0.8  |
| 17.1.17 Complete street furnitures of at-grade roads 0.25              | 0   |             | 24-Sep-22   | ◆ 17. I 17 Complete street furnit  |
| 17.1.16 Complete footpath 1  | 0   |             | 13-Oct-22   | ◆ 17.1.16 Com  |
| 17.1 .56 Complete landscaping works 0.5                                | 0   |             | 28-Oct-22   |  |
| 17.2 Irrigation System for Works under Sections 6A, 6C and 12 and As   | 18  |             | 28-Oct-22   |  |
| 17.2.1 Complete irrigation system 0.3                                  | 0   |             | 07-Oct-22   | ◆ 17.2.1 Complete ir   |
| 17.2.2 Complete irrigation system 0.6                                  | 0   |             | 28-Oct-22   |  |
| 17.5 Remaining Stage 5 Infrastructure Works - Landscaped Elevated V    | 119 | 13-Apr-22 A | 26-Oct-22   |  |
| 17.5 .11 Complete concrete works of pile caps 0.5                      | 0   |             | 13-Apr-22 A | ◆ 17.5.11 Complete concrete works of pile caps 0.5   |
| 17.5.16 Complete concrete works of piers 0.25                          | 0   |             | 13-May-22 A | ♦ 17.5, 16 Complete concrete works of piers 0.25   |
| 17.5.17 Complete concrete works of piers 0.5                           | 0   |             | 13-Jun-22 A | ♦ 17 5.17 Complete concrete works of piers 0.5   |
| 17.5.29 Complete lift shaft A and B 0.5                                | 0   |             | 05-Sep-22   | ◆ 17,5.29 Complete lift shaft A and B 0.5  |
| 17.5.30 Complete lift shaft A and B 1                                  | 0   |             | 26-Sep-22   | ♦ 17.5.30 Complete lift shaft /  |
| 17.5.18 Complete concrete works of piers 0.8                           | 0   |             | 05-Oct-22   | ◆ 17.5.18 Complete bi  |
| 17.5.12 Complete concrete works of pile caps 0.8                       | 0   |             | 14-Oct-22   | ◆ 17.5.12 Còr  |
| 17.5.21 Complete concrete works of deck 0.25                           | 0   |             | 26-Oct-22   |  |
| 17.5.25 Complete prestressing works of deck 0.25                       | 0   |             | 26-Oct-22   |  |
| 21.5 Establishment Works for Improvement Works at the Junctions of     | 72  |             |             |  |
| 21.5.3 Complete establishment works for 9 mths completion of softworks | 0   |             | 13-Apr-22 A | ◆ 21.5.3 Complete establishment works for 9 mths completion of softworks   |
|  |     |             |             |  |

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- Milestone
- Critical Activity
  - Actual Milestone
     Actual Work

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

BOUYGUES TRAVAUX PUBLICS



| Activity Name  | Dur      | Start                      | Finish                     |                             |         |  |                       |                  |                                       |               |           | 2022           |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
|--|----------|----------------------------|----------------------------|-----------------------------|---------|--|-----------------------|------------------|---------------------------------------|---------------|-----------|----------------|------------|------------|--------------|-------------|------------------|------------------|----------|---------------------------------------|-----------------------------|-------------------------------|----------|
| ,  |          |                            |                            | February<br>80 06 13 20 1   | 27 0    | March<br>06 13 20 27                     | Ap                    | oril<br>  17     | May 24 01 08 1                        | 22 29         |           | une<br>12   19 | 26         | 03 10      | July<br>) 17 | 24          | Augu<br>31 07 14 |                  | 28 0     | September                             |                             | tober<br>16                   | 23 )     |
| 21.5.4 Complete whole activities of this cost centre   | 0        |                            | 13-Apr-22 A                |                             | 21      |  | <b>00</b> 10 <b>♦</b> |                  | Complete whole activ                  |               |           |                | 20         | 00         |              | 27          | 51 07 .          |                  |          |                                       | 02 07                       |                               | 23 -     |
| 22.1 Pipelines for District Cooling System for Commissioning of AMAV   | 415      | 13-Jan-22 A                | 13-Jun-22 A                |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  | ·        |                                       |                             |                               |          |
| 22.1.3 Complete DCS installation length 0.8  | 0        |                            | 13-Jan-22 A                | te DCS installation lengt   | jth 0.8 |  |                       | · · · · · ·      |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
| 22.1.5 Complete T&C of DCS system 1  | 0        |                            | 13-Jun-22 A                |                             |         |  |                       |                  |                                       |               | •         | 22.1.5         | Comple     | te T&C of  | DCS sys      | stem 1      |                  |                  |          |                                       |                             |                               |          |
| 34.2 Common Utilities Enclosure (CUE) under Section 13 of the Works  | 35       | 25-Aug-22                  | 08-Oct-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
| 34.2.4 Complete concrete works of base slab of CUE 0.5   | 0        |                            | 25-Aug-22                  |                             |         | ll<br>I I I I<br>I I I<br>I I I<br>I I I | - 4                   |                  | ·                                     |               |           |                |            |            |              |             |                  | ♦ 34             | .2.4 C   | Complete concrețe wor                 | ks of base sl               | lab of C                      | UE 0.!   |
| 34.2.8 Complete concrete works of walls of CUE 0.5   | 0        |                            | 13-Sep-22                  |                             |         |  |                       |                  |                                       |               |           |                |            | ·          |              |             |                  |                  |          | ♦ 34.2.8 Comp                         | ete concrete                | eworks                        | of wall  |
| 34.2 .12 Complete concrete works of top slab of CUE 0.5  | 0        |                            | 08-Oct-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              | ÷i-         |                  |                  |          |                                       | ♦ 34.3                      | 2 .12 C                       | omplete  |
| 35 Services Gallery  | 119      | 13-Apr-22 A                | 26-Oct-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
| 35.16 Complete 20% of total length (measured on plan) of SG structures in Drill-and-Break and Drill-and-Blast Tunnel   | 0        |                            | 13-Apr-22 A                |                             |         |  | <b>♦</b>              | 35.16 Co         | omplete 20% of total                  | length (measu | ed on pla | an) of SC      | 6 structur | es in Dril | l-and-Bre    | akand       | Drill-and-Blast  | Tunnel           |          |                                       |                             |                               |          |
| 35.32 Complete 50% of total volume (measured on plan) of excavation for Lower Basement<br>of East Ventilation Building   | 0        |                            | 13-Apr-22 A                |                             |         |  | •                     | 35.32 Co         | omplete 50% of total                  | volume (measi | redon¦p   | lan) of ex     | xcavatior  | n for Low  | er Basem     | ient of E   | ast Ventilation  | Building         |          |                                       |                             |                               |          |
| 35.33 Complete 75% of total volume (measured on plan) of excavation for Lower Basement   | 0        |                            | 13-Jun-22 A                |                             |         |  | - 4                   |                  | ·                                     |               | <b></b>   | 35.33 C        | Complete   | e 75% of   | total volui  | me (mea     | asured on plan   | ) of excavat     | tion for | Lower Basement of E                   |                             |                               | Ŭ        |
| of Fast Ventilation Building<br>35.34 Complete 100% of total volume (measured on plan) of excavation for Lower   | 0        |                            | 15-Sep-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  | · <mark>-</mark> |          | ◆ 35.34 Comp                          | lete 100% o                 | f total v                     | olume    |
| Basement of East Ventilation Building<br>35.21 Complete 10% of total length (measured on plan) of Services Gallery structures and<br>ancillaries in TBM Tunnel | 0        |                            | 16-Sep-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          | ♦ 35.21 Com                           | plete 1,0% of               | total le                      | ngth (n  |
| 35.14 Complete 80% of total length (measured on plan) of SG excavation in Drill-and-Break<br>and Drill-and-Blast Tunnel  | 0        |                            | 08-Oct-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       | <b>•</b> 35.1               | 14 Com                        | olete 80 |
| 35.22 Complete 20% of total length (measured on plan) of Services Gallery structures and   | 0        |                            | 18-Oct-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             | ♦ 35                          | .22 Co   |
| ancillaries in TBM Tunnel<br>35.35 Complete concreting works of 25% of the total gross plan area for the Lower   | 0        |                            | 26-Oct-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               | ♦ 3!     |
| Basement of East Ventilation Building SOUTH APRON EXTERNAL WORKS   | 787      | 11-Dec-21 A                | 29-Aug-24                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
| AMAWBC   | 0        | 03-Oct-22                  | 03-Oct-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              | +           |                  |                  |          |                                       |                             |                               |          |
| Drainage & Sewerage  | 0        | 03-Oct-22                  | 03-Oct-22                  |                             |         |  | T                     |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
| Section D  | 0        | 03-Oct-22                  | 03-Oct-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              | +           |                  |                  |          |                                       |                             |                               |          |
| Section 6A Completion  | 0        |                            | 03-Oct-22                  |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       | <ul> <li>Section</li> </ul> | 6A Cor                        | pletion  |
| [STE] District Cooling System for AMAWBC Section 6B  | 160      |                            |                            |                             |         |  |                       |                  |                                       |               |           |                |            |            |              | · · · · · · |                  |                  |          |                                       |                             | 4                             |          |
| Section 1 - Bay 3  | 98<br>9  | 23-Dec-21 A                |                            |                             | Pov 2 D | Ding Installation Ding                   | wolding               |                  |                                       |               |           |                |            |            |              |             |                  | ·                |          |                                       |                             | 4                             |          |
| DCS - Bay 3 Pipe Installation - Pipe welding   |          | 23-Dec-21 A                |                            |                             |         | Pipe Installation - Pipe                 |                       | ×15              | · · · · · · · · · · · · · · · · · · · |               |           |                |            |            |              |             |                  | ·                |          |                                       |                             |                               |          |
| DCS - Bay 3 Pipe Installation - Jointing (15nos)   | 10       |                            |                            | +                           | DCS     | S - Bay 3 Pipe Installat                 | ion - Jointing        | (15nos)          |                                       |               |           |                |            |            |              |             |                  |                  |          | · · · · · · · · · · · · · · · · · · · |                             |                               |          |
| DCS - Bay 3 Backfill   |          | 24-Mar-22 A                |                            |                             |         |  |                       |                  |                                       |               |           | DC             | . — вау    | 3 Backfill |              |             |                  |                  |          |                                       |                             | ¦¦                            |          |
| Section 2 - Bay 5  | 88       | 14-Dec-21 A<br>14-Dec-21 A |                            |                             | C Dov   | /5 Pipe Installation - J                 | ointing (20no         |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
| DCS - Bay 5 Pipe Installation - Jointing (30nos)   | 10       |                            |                            |                             |         |  | -+                    | ν <del>ε</del> ) |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
| DCS - Bay 5 Backfill   |          |                            |                            |                             |         | CS - Bay 5 Backfill                      |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
| Section 2 - S20           DCS - S20 Pipe Installation - Jointing (27nos)   | 14       | 21-Dec-21 A                |                            | allation - Jointing (27nos) |         |  |                       |                  |                                       |               |           |                |            |            |              | +           |                  | ·                |          |                                       |                             |                               | · + -    |
|  | 14       |                            |                            |                             | ין<br>  |  | -                     |                  |                                       |               |           |                |            |            |              |             |                  | ·                |          |                                       |                             | <br> <br> <br> <br> <br> <br> |          |
| Section 2 - CUE DCS - CUE - Pipe welding   | 46<br>18 | 11-Dec-21 A                | 19-Jan-22 A<br>15-Jan-22 A | Pipe welding                |         |  |                       |                  |                                       |               |           |                |            | ·          |              |             |                  | ·                |          |                                       |                             |                               |          |
| DCS - CUE - Jointing (42nos)   | 21       | 17-Jan-22 A                |                            | JE - Jointing (42nos)       |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  | · <mark>-</mark> |          |                                       |                             |                               |          |
|  |          |                            |                            |                             |         |  |                       |                  |                                       |               |           |                |            |            |              |             |                  |                  |          |                                       |                             |                               |          |
| Testing & Commissioning           Section 6B Substantial Completion - Agreed with HMJV   | 0        | 11-Feb-22 A                | 10-Jun-22 A<br>11-Feb-22 A | Section 68/S                | Suhstan | ntial Completion - Agre                  | ed with HM IV         | V                |                                       |               |           |                |            | ·          |              |             |                  |                  | ·        |                                       |                             |                               | ·        |
| Overall DCS - Testing & Commissioning  | -        | 01-Mar-22 A                |                            |                             |         |  |                       |                  |                                       |               |           | )verall Di     | CS - Tok   | tina & Co  | mmissio      | hina        |                  | ·                |          |                                       |                             |                               | ·        |
| Section 6B completion  | 48       | UT-IVIDI-ZZ A              | 10-Jun-22 A                |                             |         |  |                       |                  |                                       |               |           |                | Bicomple   |            |              |             |                  | ·                |          |                                       |                             |                               |          |
|  | -        | 0/ 1:                      |                            |                             |         |  | - <del>-</del>        |                  |                                       |               | ▼         |                |            |            |              |             |                  | ·                |          |                                       |                             | <br> <br> <br> <br> <br>      |          |
| [STE] Kai Hing Road / Lam Chak Street Modification   | 692<br>0 | 26-Mar-22 A                | 29-Aug-24<br>26-Mar-22 A   |                             |         |  | A Phasing             |                  |                                       |               |           |                |            |            |              |             |                  | · <del> </del>   |          |                                       |                             |                               |          |
|  | U        |                            | 20-IVIAI-22 A              |                             |         |  | ra nasiny             |                  |                                       |               |           | 1              |            | 1          | 1            |             |                  |                  |          |                                       |                             |                               |          |

Page 12 of 20 Data Date: 02-Jul-22

- Milestone
   Planned Bar
   Oritical Activity
- Actual Milestone

Actual Work

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

BOUYGUES TRAVAUX PUBLICS



| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |

| Dur | Start   | Finish   |  |  |   |   |   | 2022   |  |   |   |   |   |   |  |   |  |   |
|-----|---|--|--|--|---|---|---|--|--|---|---|---|---|---|--|---|--|---|
|     |   | R  | February   | March  | April   | May   | 22 29   | June   | 26 03  | July  |   |   |   | 28 0  | September  | 8 25  |  | ber<br>16 23 D  |
| 0   |   | 19-Apr-22 A  |  | 00 13 20   | <u>∠</u> / 03 10 17   |   |   | 03 12 17   | 20 03  |   |   | // 1 <del>4</del>   | 21  | 20 0  |  |   | 02 07  | 10 23 5   |
| 0   |   | 19-May-22 A  |  |  |   | •   | XP validate   | ed i   |  | 1<br>   |   | · ¦   |   |   |  |   |  |   |
| 0   |   | 25-May-22 A  |  |  |   |   | ◆ TML(  | G to TD for Approval   |  | 1 1<br>+  |   |   |   |   |  |   |  |   |
| 0   |   | 02-Jul-22  |  |  |   |   |   |  | ♦ TMI  | LG Approved   | · · · · · · · · · · · · · · · · · · ·   |   |   |   |  |   |  |   |
| 0   |   | 12-Jul-22  |  |  |   |   |   |  |  | ♦ Roadwo  | orks advice from  | n RMO f   | or TTA In   | nplemen   | ntation  |   |  |   |
| 600 | 22-Aug-22   | 29-Aug-24  |  |  |   |   |   |  |  | +   | ++  |   |   |   |  |   |  | ·   |
| 417 | 26-Feb-22 A   | 13-Apr-24  |  |  |   |   |   |  |  | +   | 1<br>   |   |   |   |  |   |  | ·   |
| 85  | 26-Feb-22 A   | 20-Jul-22  |  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 85  | 26-Feb-22 A   | 20-Jul-22  |  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 9   | 26-Feb-22 A   | 25-Mar-22 A  |  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 9   | 07-Mar-22 A   | 09-Jul-22  |  | ++   |   |   | - +   |  |  | EM\$D ins   | pection & contro  | ol box co   | onstructio  | n   |  |   |  | +-  |
| 9   | 11-Jul-22   | 20-Jul-22  |  | Jk   |   |   |   | - L  | J  |   | Change over to  | perman  | ent traffic   | c signal  | +  |   |  |   |
| 365 | 26-Mar-22 A   | 13-Apr-24  |  |  |   |   |   |  |  | 1   | <u>+</u>  |   |   |   |  |   |  |   |
| 365 | 26-Mar-22 A   | 13-Apr-24  |  |  |   |   |   |  |  | · · · · · · · · · · · · · · · · · · ·   | <u>+</u> ;  |   |   |   |  |   |  |   |
| 36  | 03-Oct-22   | 14-Nov-22  |  |  |   |   |   |  |  | +   | +   |   |   |   |  |   |  |   |
| 36  | 03-Oct-22   | 14-Nov-22  |  |  |   |   |   |  |  | +   | +   |   |   |   | +  |   |  | +-  |
| 18  | 03-Oct-22*  | 24-Oct-22  |  | ++   |   |   |   |  |  | +   | +   |   |   |   | +  |   |  | AG  |
| 18  | 25-Oct-22   | 14-Nov-22  |  |  |   |   |   |  |  |   |   | ·   |   |   |  |   |  |   |
| 519 | 13-Dec-21 A   | 02-Sep-23  |  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 230 | 13-Dec-21 A   | 10-Sep-22  |  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 230 | 13-Dec-21 A   | 10-Sep-22  |  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 60  | 13-Dec-21 A   | 19-Mar-22 A  |  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 60  |   |  |  | Bre  | aking remaining SUS B   | ulkhead Dwall   |   |  |  | · · · · · · · · · · · · · · · · · · ·   |   |   |   |   |  |   |  |   |
|     |   |  |  | <u> </u>   |   |   |   |  |  | <br>   <br>   | · · · · · · · · · · · · · · · · · · ·   |   |   |   |  |   |  |   |
|     |   |  |  | Fals   |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
|     |   |  |  |  |   | · · · · · · · · · · · · · · · · · · ·   |   |  |  |   |   |   |   |   |  |   |  |   |
| 18  |   |  |  |  | East side   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 18  | 08-Apr-22 A   | 18-May-22 A  |  |  |   |   | Portal Beam   | n part 1 (B7-B9)   |  |   |   |   |   |   |  |   |  |   |
| 18  | 09-May-22 A   | 16-Jun-22 A  |  |  |   |   |   | Portal   | Beampart   | 2 (B4-B6)   |   |   |   |   |  |   |  |   |
| 12  | 27-Jun-22 A   | 27-Aug-22  |  |  |   |   |   |  |  | · · · · · · · · · · · · · · · · · · ·   |   |   |   | Steel E   | Beam location  | i Capping B   | Beam   |   |
| 12  | 29-Aug-22   | 10-Sep-22  |  |  |   |   |   |  |  |   |   |   |   |   | 📕 Steel P  | ortal Beam  | installation   | (B1-B3)   |
| 349 | 04-Jul-22   | 02-Sep-23  |  |  |   |   |   |  |  | +   | ÷   |   |   |   |  |   |  |   |
| 349 | 04-Jul-22*  | 02-Sep-23*   |  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 27  | 04-Jul-22   | 03-Aug-22  |  |  |   |   |   |  |  |   |   | 1   | 1. 1.   |   | 1 1  |   |  |   |
| 30  | 04-Aug-22   | 07-Sep-22  |  |  |   |   |   |  |  | T   |   | · · · · · · · · · · · · · · · · · · ·   |   |   | DPR-CH   | 6080-6150   | - Reinstater   | nent Works  |
| 257 | 20-Dec-21 A   | 16-Nov-22  |  |  |   |   |   |  |  | +   | *   |   |   |   |  |   |  | +-  |
| 113 | 20-Dec-21 A   |  |  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 20  | 20-Dec-21 A   | 12-Jan-22 A el   | low Strut S3 11,905m <sup>3</sup>  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 24  | 03-Jan-22 A   | 19-Jan-22 A  | nstallation  |  |   |   |   |  |  |   |   |   |   |   |  |   |  |   |
| 2   | 20-Jan-22 A   | 21-Jan-22 A 3  |  |  |   |   |   |  |  |   |   | · · · · · · · · · · · · · · · · · · ·   |   |   |  |   |  |   |
| 15  | 22-Jan-22 A   | 18-Feb-22 A  | Excavation   | n to below Strut S4  | 8,930m³   |   |   |  |  |   |   |   |   |   |  |   |  | +-  |
| +   |   |  | · · · · · ·  | · · · ·  | <u> </u>  | · · · ·   |   |  | · · · · · · · · · · · · · · · · · · ·  | · · ·   |   |   |   |   |  | <u> </u>  |  |   |
|     | 0       0    0       0 <t< th=""><th>ImageImage0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.417.26-Feb-22 A85.26-Feb-22 A9.26-Feb-22 A9.26-Feb-22 A9.26-Feb-22 A365.26-Mar-22 A365.26-Mar-22 A365.26-Mar-22 A364.03-Oct-2218.03-Oct-2218.03-Oct-21 A230.13-Dec-21 A400.13-Dec-21 A400.13-Dec-21 A400.13-Dec-21 A600.13-Dec-21 A18.28-Mar-22 A18.28-Mar-22 A18.28-Mar-22 A18.28-Mar-22 A18.29-Aug-2218.29-Aug-2218.29-Aug-2218.29-Aug-2218.29-Aug-2218.29-Aug-2218.29-Aug-2219.44-Aug-2220.2421.2022.2123.21-Aug-2413.21-Aug-2414.2124.2025.2424.21-Aug-2425.2424.21-Aug-24</th><th>Image: biologyImage: biology0Image: biology1Image: biology0Image: biology1Image: biology1</th><th>Image: Normal sector (1)         Image: Normal sector (1)         Image:</th><th>Image: Control of the control of th</th><th>Image: Normal and the second of the secon</th><th>Image: Note: Note</th><th>Image: Problem       Image: Problem       Image</th><th>Friedure       Late       Auit       Auit</th><th>Image: Normal and the second of the secon</th><th>Image: contract state       Image: contract s</th><th>International and another and a second and a se</th><th>Image: Note: Note</th><th>Norm         Norm         <th< th=""><th>Image: marrier marrier</th><th>Image: Note: Problem: Pro</th><th>Image: Marrie Marri</th><th>Image: Note: Note</th></th<></th></t<> | ImageImage0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.417.26-Feb-22 A85.26-Feb-22 A9.26-Feb-22 A9.26-Feb-22 A9.26-Feb-22 A365.26-Mar-22 A365.26-Mar-22 A365.26-Mar-22 A364.03-Oct-2218.03-Oct-2218.03-Oct-21 A230.13-Dec-21 A400.13-Dec-21 A400.13-Dec-21 A400.13-Dec-21 A600.13-Dec-21 A18.28-Mar-22 A18.28-Mar-22 A18.28-Mar-22 A18.28-Mar-22 A18.29-Aug-2218.29-Aug-2218.29-Aug-2218.29-Aug-2218.29-Aug-2218.29-Aug-2218.29-Aug-2219.44-Aug-2220.2421.2022.2123.21-Aug-2413.21-Aug-2414.2124.2025.2424.21-Aug-2425.2424.21-Aug-24 | Image: biologyImage: biology0Image: biology1Image: biology0Image: biology1Image: biology1 | Image: Normal sector (1)         Image: | Image: Control of the control of th | Image: Normal and the second of the secon | Image: Note: Note | Image: Problem       Image | Friedure       Late       Auit       Auit | Image: Normal and the second of the secon | Image: contract state       Image: contract s | International and another and a second and a se | Image: Note: Note | Norm         Norm <th< th=""><th>Image: marrier marrier</th><th>Image: Note: Problem: Pro</th><th>Image: Marrie Marri</th><th>Image: Note: Note</th></th<> | Image: marrier | Image: Note: Problem: Pro | Image: Marrie Marri | Image: Note: Note |

Page 13 of 20 Data Date: 02-Jul-22

Milestone
Planned Bar
Critical A divity

Actual Milestone
 Actual Work

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

BOUYGUES TRAVAUX PUBLICS



|   | Date      | Revision | Checked | Approved |
|---|-----------|----------|---------|----------|
|   | 18-Dec-19 | 00V1     | WYu     |          |
| ١ | 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      |
|   | 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|   |           |          |         |          |

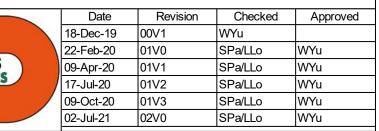
| Activity Name   | Dur | Start       | Finish      | 2022   |
|---|-----|-------------|-------------|--|
|   |     |             |             | February     March     April     May     June     July     August     September     October       80     06     13     20     27     03     10     17     24     01     08     15     22     29     05     12     19     26     03     10     17     24     01     08     15     22     29     05     12     19     26     03     10     17     24     31     07     14     21     28     04     11     18     25     02     09     16     23     04 |
| Strut S4 Installation                                   | 20  | 10-Feb-22 A | 15-Mar-22 A |  |
| Strut S4 Pre-loading                                    | 2   | 16-Mar-22 A | 17-Mar-22 A | 2 A Strut \$4 Pre-loading  |
| Excavation to FEL 9,230m <sup>3</sup>                   | 20  | 19-Mar-22 A | 04-Apr-22 A | P A Excavation to FEL 9,230m <sup>3</sup>  |
| Building Structure                                      | 164 | 05-Apr-22 A | 16-Nov-22   | 22   |
| WVB - Base Slab   |     | · · ·       | 30-Jun-22 A |  |
| WVB - Earth Mat Installation                            | 24  | 05-Apr-22 A | 22-Apr-22 A | 2 A WVB - Earth Mat Installation   |
| Base Slab construction Bay 2 & 4                        | 20  | 23-Apr-22 A | 24-May-22 A |  |
| Base Slab construction Bay 1, 3 & 4                     | 20  | 19-May-22 A | 18-Jun-22 A | Base Slab construction Bay 1, 3 & 4  |
| Tower Crane Erection                                    | 7   | 20-Jun-22 A | 30-Jun-22 A | 2 A Tower Crane Erection   |
| Tower Crane Operation                                   | 0   |             | 30-Jun-22 A | A Tower Crane Operation  |
| Basement Structure                                      | 114 | 20-Jun-22 A | 16-Nov-22   |  |
| WVB - Strut S4 Removal                                  | 18  | 20-Jun-22 A | 09-Jul-22   | 2 WVB - Strut S4 Removal   |
| WVB - Basement 2a Wall                                  | 21  | 04-Jul-22   | 27-Jul-22   |  |
| WVB - Basement 2 External wall waterproofng & Mass Fill | 18  | 18-Jul-22   | 06-Aug-22   | 22 WVB - Basement 2 External wall waterproofing & Mass Fill  |
| WVB - Strut S3 Removal                                  | 18  | 08-Aug-22   | 27-Aug-22   |  |
| WVB - Basement 2 Wall/Slab                              | 36  | 18-Aug-22   | 29-Sep-22   | 22 WVB Basement 2 Wall/S   |
| WVB - Strut S2 Removal                                  | 18  | 30-Sep-22   | 22-Oct-22   | 2 WVB  |
| WVB - Basement 1a Wall                                  | 30  | 13-Oct-22   | 16-Nov-22   |  |
| WVB - Platform removal                                  | 12  | 24-Oct-22   | 05-Nov-22   | 22   |
| SUPPORTING UNDERGROUND STRUCTURE [SUS]                  | 163 | 04-Jul-22   | 16-Jan-23   | 3  |
| Permanent Structure                                     | 49  | 04-Jul-22   | 29-Aug-22   | 22   |
| SUS - EB Partition Wall CH6150-6260                     | 24  | 04-Jul-22   | 30-Jul-22   |  |
| SUS - WB Partition Wall CH6150-6237                     | 25  | 01-Aug-22   | 29-Aug-22*  | 2* SUS - WB Partition Wall C 16150-6237  |
| Tunnel Internal Structure & Finishing                   | 114 | 30-Aug-22   | 16-Jan-23   | 3  |
| Westbound   |     | 30-Aug-22   | 16-Jan-23   | 3  |
| SUS - WB - OHVD Formworks Assembly                      | 18  | 30-Aug-22   | 20-Sep-22   | 22 SUS - WB - OHVD Formworks As  |
| SUS - WB - OHVD In-situ 320m                            | 96  | 21-Sep-22   | 16-Jan-23   | 3  |
| C&C TUNNEL / LAUNCHING SHAFT [C&C / LS]                 | 257 | 05-Feb-22 A | 01-Nov-22   | 2  |
| Civil Works for TBM Assembly                            | 79  | 05-Feb-22 A | 23-Feb-22 A |  |
| Cell 1 & 2  | 79  | 05-Feb-22 A | 23-Feb-22 A | 2A   |
| Tympanum  | 79  | 05-Feb-22 A | 23-Feb-22 A | 2A   |
| Westbound Additional Mass Fill                          | 15  | 05-Feb-22 A | 12-Feb-22 A |  |
| Eastbound Additional Mass Fill                          | 7   | 14-Feb-22 A | 23-Feb-22 A | 2 A Eastbound Additional Mass Fil  |
| Tunnel Permanent Works                                  |     | 09-Jul-22   | 01-Nov-22   |  |
| Cell 1/2 Westbound                                      |     | 01-Aug-22   | 31-Oct-22   |  |
| Cell 1/2 WB - Wall Below Road Level CPS                 |     | 01-Aug-22   | 20-Aug-22   |  |
| Cell 1/2 WB - Road Slab CPS                             | 12  | 22-Aug-22   | 03-Sep-22   |  |
| Road Diversion to WB CPS                                | 0   |             | 03-Sep-22   |  |
| Cell 1/2 WB - Wall Below Road Level NCPS                | 12  | 05-Sep-22   | 19-Sep-22   |  |
| Cell 1/2 WB - Road Slab CPS                             | 12  | 20-Sep-22   | 05-Oct-22   | 2 Cell 1/2 WB Road   |
| Cell 1/2 WB - Wall Road Level                           | 12  | 06-Oct-22   | 19-Oct-22   | 2 Cell 1/2   |
|   |     |             |             |  |

Page 14 of 20 Data Date: 02-Jul-22 Milestone
 Planned Bar
 Critical A divity

Actual Milestone
 Actual Work

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

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| Activity Name                                 | Dur | Start       | Finish      |   |                |      |                |                       |         |               |                |              |  |                   | 2022                     |       |                          |                           |            |                          |            |              |                     |                                 |                 |                                 |
|---|-----|-------------|-------------|---|----------------|------|----------------|-----------------------|---------|---------------|----------------|--------------|--|-------------------|--------------------------|-------|--------------------------|---------------------------|------------|--------------------------|------------|--------------|---------------------|---------------------------------|-----------------|---------------------------------|
|   |     |             |             |   | ebruary        | 0 27 | March<br>06 13 | 1<br>20 1             | 27 03   | April         | 24 01          | May<br>08 15 | 22   |                   | June<br>12   19   2      | 26 03 | July<br>10 17            | 24 3                      |            | ugust<br>14 21           | 28 0       | Septembe     | er  <br>18   25     |                                 | ctober<br>16 23 | 3 ])                            |
| Cell 1/2 WB - Wall Above Road Level           | 10  | 20-Oct-22   | 31-Oct-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           |            |                          |            |              |                     |                                 |                 | <b>i</b>                        |
| Cell 1/2 Eastbound                            | 96  | 09-Jul-22   | 01-Nov-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           |            |                          |            |              |                     |                                 |                 | - + -                           |
| Cell 1/2 EB - Wall Below Road Level CPS       | 18  | 09-Jul-22   | 29-Jul-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       | 1                        | C                         | ell 1/2 EB | - Wall Belov             | w Road L   | evel CPS     |                     |                                 |                 |                                 |
| Cell 1/2 EB - Road Slab CPS                   | 12  | 30-Jul-22   | 12-Aug-22   |   |                |      |                | +                     |         |               |                |              |  |                   |                          |       | <br> <br> <br> <br>      | +                         |            | Cell 1/2 EB              | 3 - Road S | Slab CPS     |                     | 4                               |                 | - + -                           |
| Road Diversion to EB CPS                      | 0   |             | 12-Aug-22   |   |                |      |                | +                     |         |               |                |              | · - <b>1</b>   |                   |                          |       |                          |                           | •          | Road Diver               | rsion to E | BCPS         |                     | J<br>       <br>       <br>     |                 | - 1 -                           |
| Cell 1/2 EB - Wall Below Road Level NCPS      | 12  | 13-Aug-22   | 26-Aug-22   |   |                |      | <br>           |                       |         |               |                |              |  |                   |                          |       |                          |                           | ·          |                          |            | EB - Wall E  |                     |                                 |                 | - + -                           |
| Cell 1/2 EB - Road Slab NCPS                  | 12  | 27-Aug-22   | 09-Sep-22   |   |                |      |                | +                     |         |               |                |              |  |                   |                          |       |                          |                           |            | I                        |            | Cell 1/2     | 2 EB - Roa          | id Slab NC                      | P\$             | - +                             |
| Cell 1/2 EB - Wall Road Level                 | 12  | 10-Sep-22   | 24-Sep-22   |   |                |      |                | +                     |         |               |                |              |  |                   |                          |       |                          | · · · · · · · ·           | ·          |                          |            |              | Cel                 | 1/2 EB - V                      | all Road Le     | vel                             |
| Cell 1/2 EB - Wall Above Road Level           | 12  | 26-Sep-22   | 11-Oct-22   |   |                |      |                | +                     |         |               |                |              |  |                   |                          |       |                          | •i                        |            |                          |            | +            |                     | ·                               | Cell 1/2 EB     | - W                             |
| Cell 1/2 EB - Wall to TS                      | 18  | 12-Oct-22   | 01-Nov-22   |   |                |      | <br>           | · · · ·               |         |               |                |              |  |                   |                          |       |                          | · · · · ·                 | ·          |                          |            |              |                     |                                 |                 |                                 |
| Cut & Cover                                   | 24  | 09-Jul-22   | 05-Aug-22   |   |                |      | J              |                       |         |               |                |              |  |                   |                          |       |                          | +                         | ·          |                          |            |              |                     | <br>                            |                 | $x = \frac{1}{1} - \frac{1}{1}$ |
| C&C - Wall Stage 1 first 5m                   | 9   | 09-Jul-22   | 19-Jul-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          | C-Wal                     | Stage 1    | irst 5m                  |            |              |                     |                                 |                 |                                 |
| C&C - Wall Stage 2 up to OHVD level           | 9   | 20-Jul-22   | 29-Jul-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          | 1 1                       |            | Stage 2 up               |            |              |                     |                                 |                 |                                 |
| C&C - Wall Stage 3 up to Top Slab soffit      | 6   | 30-Jul-22   | 05-Aug-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       | <br> <br> <br> <br>      |                           | C&C        | Wall Stage               | 3 up to    | Top Slab so  | ffit                |                                 |                 | - <del>+</del> -                |
| SUB-SEA TBM TUNNEL - WESTBOUND                | 303 | 27-Sep-21 A | 16-Nov-22   |   | - +            |      |                | +                     |         |               |                |              |  |                   |                          |       |                          | +                         |            |                          |            |              |                     | ·                               |                 | -+-                             |
| Precast Fabrication                           |     | 29-Nov-21 A | 16-Nov-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           |            | <br> <br> <br>           |            |              |                     |                                 |                 |                                 |
| TBM Precast Segments                          |     | 29-Nov-21 A | 19-Oct-22   |   |                |      |                |                       | 700/    |               |                |              |  |                   |                          |       |                          |                           |            |                          |            |              |                     |                                 |                 |                                 |
| Precast TBM Segment - 70%                     | 36  | 29-Nov-21 A | 26-Feb-22 A |   |                | Pre  | cast TBM Se    | egment <sub>i</sub> - | 70%<br> |               |                |              | ,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>, |                   |                          |       |                          |                           |            |                          | ;          |              |                     |                                 |                 |                                 |
| Precast TBM Segment - 80%                     | 36  | 28-Feb-22 A | 23-Jul-22   |   | - +            |      |                | ;<br>;                |         | · · ·         |                |              |  |                   | <del>-</del>             |       |                          | 1                         | - i - i    | ment - 80%               | :   :      |              |                     |                                 |                 | +-                              |
| Precast TBM Segment - 90%                     | 36  | 25-Jul-22   | 03-Sep-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           | 1 1        | <br> <br>                |            | Precast TBN  | VI Segmen           | : - 90%                         |                 |                                 |
| Precast TBM Segment - 100%                    | 36  | 05-Sep-22   | 19-Oct-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           |            |                          |            |              |                     |                                 | Prec            | ast                             |
| Service Gallery                               |     | 28-Dec-21 A | 12-Nov-22   |   |                |      |                | 4                     |         |               |                |              |  |                   |                          |       |                          | 4                         |            |                          |            |              |                     |                                 |                 |                                 |
| Precast Service Gallery - 3%                  | 24  |             |             |   |                |      | Precast Servi  |                       | 2 1 1   |               |                |              |  |                   |                          |       |                          |                           |            |                          |            |              |                     |                                 |                 |                                 |
| Precast Service Gallery - 6%                  | 24  |             |             |   |                |      |                |                       | Pr      | reçast Servio | e Gallery - 69 | %            |  |                   |                          |       |                          |                           |            |                          |            |              |                     |                                 |                 |                                 |
| Precast Service Gallery - 10%                 | 24  | 03-Apr-22 A | 14-May-22 A |   |                |      |                |                       |         |               |                | Pre          | ecast S  | ervice Gallery    | - 10%                    |       |                          |                           |            |                          |            |              |                     |                                 |                 |                                 |
| Precast Service Gallery - 20%                 | 24  | 16-May-22 A | 20-Jul-22   |   |                |      |                |                       |         |               |                |              | 1  |                   | 1 1                      |       | 1                        | Precast S                 | ervice Ga  | lery - 20%               |            |              |                     |                                 |                 |                                 |
| Precast Service Gallery - 30%                 | 24  | 21-Jul-22   | 17-Aug-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           |            | Precas                   | st Service | Gallery - 30 | 0%                  |                                 |                 |                                 |
| Precast Service Gallery - 40%                 | 24  | 18-Aug-22   | 15-Sep-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           |            |                          |            | - i i        | i i                 | vice Galler                     | i i             |                                 |
| Precast Service Gallery - 50%                 | 24  | 16-Sep-22   | 15-Oct-22   |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           |            | <br> <br> <br> <br> <br> |            | ····         |                     |                                 | Precast         | Ser                             |
| Precast Service Gallery - 60%                 | 24  | 17-Oct-22   | 12-Nov-22   | 1 |                |      |                | ÷                     |         |               |                |              |  |                   |                          | +     |                          | ÷                         |            |                          |            |              |                     | <br>                            |                 |                                 |
| OHVD Slab                                     | 214 | 01-Feb-22 A | 16-Nov-22   |   |                |      |                | +                     |         |               |                |              |  |                   |                          |       | <br>                     | +                         |            |                          | i          |              |                     |                                 |                 | - + -                           |
| Concrete Mix - Plant Trial                    | 72  | 01-Feb-22 A | 12-May-22 A |   | - <del> </del> |      |                |                       |         |               |                | Conc         | icrete N   | lix - Plant Trial |                          |       |                          |                           |            |                          |            |              | p                   | ,                               |                 | - T -<br>-<br>-<br>-            |
| Precast OHVD Slab - Mould Fabrication & Setup | 72  | 01-Feb-22 A | 09-Jul-22   | 1 | - +            |      |                | +                     |         |               |                |              |  |                   |                          |       | Pre¢ast O                | HVD Slat                  | - Mould F  | abrication &             | & Setup    |              |                     |                                 |                 | -+-                             |
| Precast OHVD Slab - Inspection                | 12  | 11-Jul-22   | 23-Jul-22   |   |                |      |                | 1                     |         | !             |                |              |  |                   | kd<br>     <br>     <br> |       |                          | i i .                     | - i - i    | ab - Inspec              | i i i      |              |                     | JL<br>     <br>     <br>        |                 |                                 |
| Precast OHVD Slab - Mass Production Start     | 0   | 25-Jul-22   |             | 1 |                |      |                |                       |         |               |                |              |  |                   |                          | +     |                          | <ul> <li>Preca</li> </ul> | st OHVD    | Slab - Mass              | Productio  | on Start     |                     | <br>                            |                 |                                 |
| Precast OHVD Slab - 3%                        | 24  | 25-Jul-22   | 20-Aug-22   | 1 |                |      |                | ÷                     |         |               |                |              |  |                   |                          |       |                          |                           |            | Prec                     | cast OHV   | D Slab - 3%  | 0                   |                                 |                 |                                 |
| Precast OHVD Slab - 6%                        | 24  | 22-Aug-22   | 19-Sep-22   | 1 |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           |            | ····;                    | <u></u>    |              | Precast             | OHVD Sla                        | 0 + 6%          | - + -                           |
| Precast OHVD Slab - 10%                       | 24  | 20-Sep-22   | 19-Oct-22   |   |                |      |                | +                     |         |               |                |              | · - +  |                   |                          |       |                          | +                         |            | <br> <br> <br> <br>      |            |              |                     | 4<br>                           | Prec            | - 1                             |
| Precast OHVD Slab - 20%                       | 24  | 20-Oct-22   | 16-Nov-22   |   |                |      |                |                       |         | l             |                |              |  |                   |                          |       | <br> <br> <br> <br> <br> | *                         |            | <br>!<br>!<br>!<br>!     |            |              |                     | J<br>       <br>       <br>     |                 |                                 |
| Site Establishment                            | 237 | 27-Sep-21 A | 27-Aug-22   |   |                |      |                |                       |         |               |                |              | · - 1  |                   |                          | · - + |                          | +                         |            | <br>I<br>I<br>I<br>I     |            |              | <br> <br> <br> <br> | y<br>         <br>         <br> |                 |                                 |
| Page 15 of 20                                 |     |             |             |   |                |      |                |                       |         |               |                |              |  |                   |                          |       |                          |                           |            | Date                     | Rev        | vision       | Check               | ed                              | Approved        | -                               |

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- Planned Critical
  - Actual Milestone
     Actual Work

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

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|    | Date      | Revision | Checked | Approved |
|----|-----------|----------|---------|----------|
|    | 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      |
|    | 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|    |           |          |         |          |

| Control Statup for TBM Assomity       A       A       B   |
|---|
| Garty Crate Setup for TBM Assembly       40       04-Jul 22       27-Jul 22       <   |
| Gentry Crane - Demanting       40       04-Jul2       27-Aug22       Image: Control of the control of th |
| Motar Plant- Commissioning         24         27 Sep 21A         12 Jan 22A         ommissioning         Image: Commissioning         Image: Comm   |
| TBM Assembly         47         24/0v/21         13.Jan22A         Called Connections         22         29.Nv/21         01.Jan22A         called Connections         2         29.Nv/21         01.Jan22A         called Connections         2         29.Nv/21         12.Jan22A         called Connections         2         29.Nv/21         12.Jan22A         called Connections         2         29.Nv/21         12.Jan22A         called Connections         2         20.Nv/22           |
| Air / Water / Hydraulit: Electrical Connections       22       9.49v.21A       01 Jan 22A       ofter Connections       0   |
| Testing & Commissioning       26       0.9 Dec.21A       1.Jan.22A       insoning       1.Soning       1.Soning </th   |
| WB TBM Break-in       0       13-Jan-22A       Kin         TBM Tunnelling       277       13-Jan-22A       02-Nov-22         TBM Tunnelling CH6642-6659 17m       15       13-Jan-22A       12-Jan-22A       12-J   |
| TBM Tunnelling       277       13.Jan 22.A       02.Nov 22       1.Jan 22.A  |
| WB TBM Tunnelling CH6642-6659 17m       15       13 Jan 22 A       19 Jan 22 A       27 Jan 22 A       B TBM Tunnelling Stoppage due to Active Mortar injection       16       28 Jan 22 A       29 Jan 22 A       28 Jan 22 A  |
| WB TBM Tunnelling Stoppage due to Active Montar injection       15       20-Jan-22 A       B TBM Tunnelling Stoppage due to Active Montar injection       16       20-Jan-22 A       B TBM Tunnelling Stoppage due to Active Montar injection       16       28-Jan-22 A       B TBM Tunnelling Stoppage due to Active Montar injection       16       28-Jan-22 A       B TBM Tunnelling Stoppage due to Active Montar injection       16       16       29-Jan-22 A       12-Feb-22 A       12-Feb-   |
| WB TBM Tunnelling CH6659 6660 18m       15       28 Jan 22 A       28 Jan 22 A       28 Jan 22 A       28 Jan 22 A       WB TBM Tunnelling CH6659 6660 18m       Image: Check base base base base base base base base   |
| WB TBM Tunnelling Stoppage due to Additional Mass Fill       15       29-Jan-22 A       12-Feb-22 A       WB TBM Tunnelling Stoppage due to Additional Mass Fill       16       16       13-Feb-22 A       28-Feb-22 A       WB TBM Tunnelling Stoppage due to Covid-19 outbreak       16       01-Mar-22 A       01-Mar-22 A       01-Mar-22 A       01-Mar-22 A       10-Mar-22 A       10-Mar-2  |
| WB TBM Tunnelling Stoppage due to Covid-19 outbreak       15       13-Feb-22 A       28-Feb-22 A       WB TBM Tunnelling Stoppage due to Covid-19 outbreak       16       01-Mar-22 A       01-Mar-22   |
| WB TBM Tunnelling CH6660-6665 B/I Plug 23m       3       01-Mar-22 A       01-Mar-22 A       I WB TBM Tunnelling CH6665-6710 ALL/CDG 68m       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII   |
| WB TBM Tunnelling CH6665-6710 ALL/CDG 68m         16         02-Mar-22 A         10-Mar-22 A         Image: WB TBM Tunnelling CH6665-6710 ALL/CDG 68m         Image: WB TBM Tunnelling CH6710-6725 ALL/CDG 83m         Image: WB TBM Tunnelling CH6710-6725 A   |
| WB TBM Tunnelling CH6710-6725 ALL/CDG 83m         7         11-Mar-22 A         13-Mar-22 A   |
|   |
| WB TBM Tunnelling CH6725-6732 ALL/CDG 90m         7         14-Mar-22 A         04-Apr-22 A   |
|   |
| WB Stoppage due to Disc Cutter Issue       7       05-Apr-22 A       06-May-22 A  |
| WB TBM Tunnelling CH6732-6752 ALL/CDG 110m         7         07-May-22 A         23-May-22 A  |
| WB TBM Stoppage due to Maind Drive issue       7       24-May-22 A       02-Jul-22 A  |
| WB TBM Tunnelling CH6752-6756 ALL/CDG 114m         1         03-Jul-22         03-Jul-22         03-Jul-22  |
| WB TBM Tunnelling CH6756-6777 CDG/Boulder 135m         4         04-Jul-22         07-Jul-22  |
| WB TBM Stoppage for ISIG 1 Installation     9     08-Jul-22     16-Jul-22   |
| WB TBM Tunnelling CH6777-6789 C DG/Boulder 147m         3         17-Jul-22         19-Jul-22   |
| WB TBM Tunnelling CH6789-7098 ALL/CDG 456m         38         20-Jul-22         26-Aug-22   |
| WB TBM Tunnelling CH7098-7198 ALL/CDG 556m         11         27-Aug-22         06-Sep-22   |
| WB TBM Tunnelling CH7198-7218 ALL/CDG 576m         2         07-Sep-22         08-Sep-22  |
| WB TBM Tunnelling CH7218-7240 C DG/Boulder 598m         3         09-Sep-22         11-Sep-22   |
| WB TBM Tunnelling CH7240-7284 ALL/CDG 642m         4         12-Sep-22         15-Sep-22  |
| WB TBM Tunnelling CH7284-7379 ALL/CDG 737m         9         16-Sep-22         24-Sep-22  |
| WB TBM Tunnelling CH7379-7391 CDG/Boulder 749m         2         25-Sep-22         26-Sep-22  |
| WB TBM Tunnelling CH7391-7434 Boulder 792m         7         27-Sep-22         03-Oct-22  |
| WB TBM Tunnelling CH7434-7466 C DG/Boulder 824m         4         04-Oct-22         07-Oct-22   |
| WB TBM Tunnelling CH7466-7623 ALL/CDG 981m         15         08-Oct-22         22-Oct-22         WB  |
| WB TBM Tunnelling CH7623-7650 C DG/Boulder 1008m         4         23-Oct-22         26-Oct-22  |
| WB TBM Tunnelling CH7650-7722 ALL/CDG 1080m 7 27-Oct-22 02-Nov-22   |
| Gallery B Installation     249     27-Dec-21 A     31-Oct-22  |
| WB TBM Tunnel - Gallery B CH7103-7203 100m CP12         10         23-Sep-22         06-Oct-22  |
|   |

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Critical Activity

Critical Activity

Actual Milestone

Actual Work

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

BOUYGUES TRAVAUX PUBLIC

|      | Date      | Revision | Checked | Approved |
|------|-----------|----------|---------|----------|
|      | 18-Dec-19 | 00V1     | WYu     |          |
|      | 22-Feb-20 | 01V0     | SPa/LLo | WYu      |
|      | 09-Apr-20 | 01V1     | SPa/LLo | WYu      |
| cs / | 17-Jul-20 | 01V2     | SPa/LLo | WYu      |
|      | 09-Oct-20 | 01V3     | SPa/LLo | WYu      |
|      | 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|      |           |          |         |          |

| Activity Name  | Dur | Start       | Finish 2022 |   |  |  |  |  |  |
|--|-----|-------------|-------------|---|--|--|--|--|--|
|  |     |             |             | February         March         April         May         June         July           80         06         13         20         27         06         13         20         27         03         10         17         24         01         08         15         22         29         05         12         19         26         03         10         17 |  |  |  |  |  |
| WB TBM Tunnel - Gallery B CH7203-7303 100m CP13        | 7   | 07-Oct-22   | 14-Oct-22   |   |  |  |  |  |  |
| WB TBM Tunnel - Gallery B CH7303-7403 100m CP14        | 7   | 15-Oct-22   | 22-Oct-22   |   |  |  |  |  |  |
| WB TBM Tunnel - Gallery B CH7403-7503 100m CP15        | 7   | 24-Oct-22   | 31-Oct-22   |   |  |  |  |  |  |
| Forecast   | 190 | 27-Dec-21 A | 19-Aug-22   |   |  |  |  |  |  |
| Spreader Beam, Hook, Hook Block etc(from Italy by sea) | 56  | 27-Dec-21 A | 15-Mar-22 A | Spreader Beam, Hook, Hook Block etc. (from Italy by sea)  |  |  |  |  |  |
| Wheels (from Italy by air)                             | 10  | 30-Dec-21 A | 07-Jan-22 A | y alf)  |  |  |  |  |  |
| Ramp delivery (from China by road)                     | 6   | 06-Jan-22 A | 11-Jan-22 A | rom China by road)  |  |  |  |  |  |
| Loader (from China by road)                            | 13  | 21-Jan-22 A | 26-Jan-22 A | ader (from China by road)   |  |  |  |  |  |
| Ramp pre-assembly at surface                           | 12  | 27-Jan-22 A | 16-Feb-22 A | Ramp pre-assembly at surface  |  |  |  |  |  |
| Loader pre-assembly at surface                         | 6   | 17-Feb-22 A | 25-Feb-22 A | Loader pre-assembly at surface  |  |  |  |  |  |
| Lower ISIG into Shaft                                  | 3   | 08-Jul-22   | 10-Jul-22   | Lower   |  |  |  |  |  |
| Gallery G-W1 to W4 by crawler crane @ 1 no/d           | 2   | 11-Jul-22   | 12-Jul-22   | ■ Gall  |  |  |  |  |  |
| Thrust Frame Removal                                   | 6   | 11-Jul-22   | 16-Jul-22   |   |  |  |  |  |  |
| Install abd Assembly of Spreader Beam                  | 6   | 11-Jul-22   | 16-Jul-22   |   |  |  |  |  |  |
| Gallery EMVD installation by crawler crane             | 1   | 13-Jul-22   | 13-Jul-22   | I Ga  |  |  |  |  |  |
| ISIG Commissioning                                     | 6   | 17-Jul-22   | 22-Jul-22   |   |  |  |  |  |  |
| Gallery G-W5 to G-W11 installation by ISIG             | 3   | 23-Jul-22   | 26-Jul-22   |   |  |  |  |  |  |
| WB ISIG Gallery B Installation start                   | 0   | 23-Jul-22   |             |   |  |  |  |  |  |
| Gallery B installation FTR-11 to FTR-7                 | 3   | 27-Jul-22   | 29-Jul-22   |   |  |  |  |  |  |
| Steel Bridge Installation                              | 1   | 30-Jul-22   | 30-Jul-22   |   |  |  |  |  |  |
| WB Sub-sea Galery B Installation started               | 0   | 01-Aug-22   |             |   |  |  |  |  |  |
| WB Gallery B CH6642-6742 100m @4nos/day                | 11  | 01-Aug-22   | 12-Aug-22   |   |  |  |  |  |  |
| WB Gallery B CH6742-6855 80m @6nos/day                 | 6   | 13-Aug-22   | 19-Aug-22   |   |  |  |  |  |  |
| SUB-SEA TBM TUNNEL - EASTBOUND                         | 270 | 14-Dec-21 A | 04-Nov-22   |   |  |  |  |  |  |
| TBMAssembly  | 140 | 14-Dec-21 A | 10-Mar-22 A |   |  |  |  |  |  |
| Lifting & Welding of Tailskin to Shield                | 62  | 14-Dec-21 A | 06-Jan-22 A | Tailskin to Shield  |  |  |  |  |  |
| Air / Water / Hydraulic Electrical Connections         | 22  | 20-Dec-21 A | 06-Jan-22 A | ic Electrical Connections   |  |  |  |  |  |
| Testing & Commissioning                                | 26  | 26-Dec-21 A | 10-Mar-22 A | Testing & Commissioning   |  |  |  |  |  |
| Thrust Frame Installation                              | 22  | 30-Dec-21 A | 06-Jan-22 A | htion   |  |  |  |  |  |
| Power On   | 3   | 07-Jan-22 A | 07-Jan-22 A |   |  |  |  |  |  |
| S1282 EB TBM Break-in                                  | 0   |             | 10-Mar-22 A | ◆ S1282 EB TBM Break-in   |  |  |  |  |  |
| TBM Tunnelling   | 200 | 11-Mar-22 A | 04-Nov-22   |   |  |  |  |  |  |
| EB TBM Tunnelling CH6640-6665 B/I Plug 25m             | 16  | 11-Mar-22 A | 25-Mar-22 A | EB TBM Tunnelling CH6640-6665 B/I Plug 25m  |  |  |  |  |  |
| EB TBM Tunnelling CH6665-6710 ALL/CDG 70m              | 15  | 26-Mar-22 A | 02-Apr-22 A | EB TBM Tunnelling CH6665-6710 ALL/CDG 70m   |  |  |  |  |  |
| EB TBM Tunnelling CH6710-6756 ALL/CDG 116m             | 7   | 03-Apr-22 A | 27-Apr-22 A | EB TBM Tunhelling CH6710-6756 ALL/CDG 116m  |  |  |  |  |  |
| EB TBM Tunnelling CH6756-6775 CDG/Boulder 135m         | 4   | 28-Apr-22 A | 04-May-22 A | EB TBM Tunnelling CH6756-6775 CDG/Boulder 135m  |  |  |  |  |  |
| WB TBM Stoppage for ISIG 1 Installation                | 9   | 06-May-22 A | 12-May-22 A | WB TBM Stoppage for ISIG 1 Installation   |  |  |  |  |  |
| EB TBM Tunnelling CH6775-6789 CDG/Boulder 149m         | 3   | 13-May-22 A | 21-May-22 A | EB TBM Tunnelling CH6775-6789 CDG/Boulder 1   |  |  |  |  |  |
| EB TBM Tunnelling CH6789-7098 ALL/CDG 458m             | 38  | 22-May-22 A | 21-Jun-22 A | EB TBM Tunnelling CF  |  |  |  |  |  |
|  |     |             | ,           |   |  |  |  |  |  |

Page 17 of 20 Data Date: 02-Jul-22

- Milestone
   Planned Bar
   Oritical Activity
  - Critical A divity
     Actual Milestone
     Actual Work

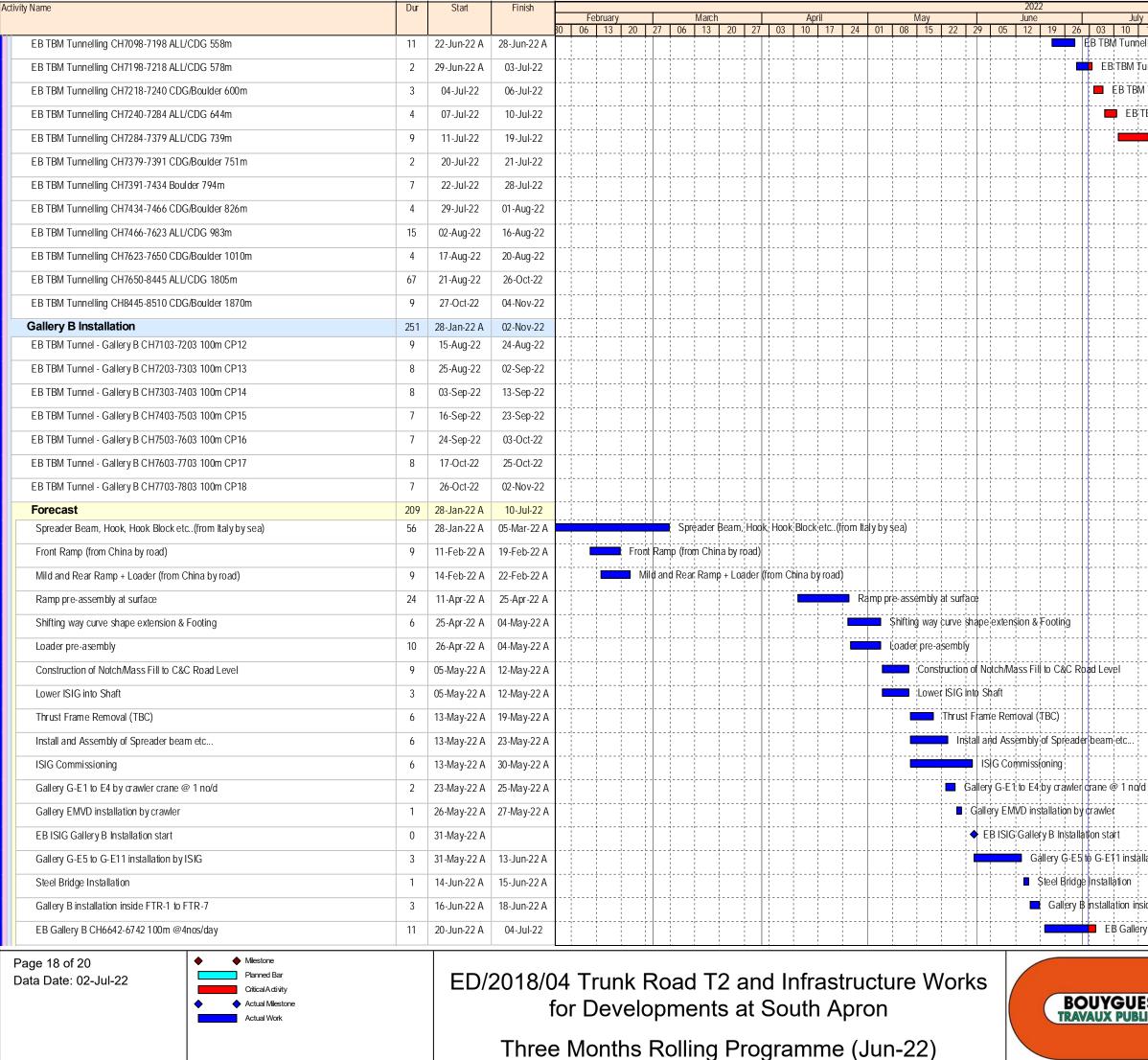
ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS

|       |          |            | A        | August    |                  | _           |        |                  | Septern                | ber              |        |          | Octo | ober       |                |
|-------|----------|------------|----------|-----------|------------------|-------------|--------|------------------|------------------------|------------------|--------|----------|------|------------|----------------|
| 17    | 24       | 31         | 07       | 14        | 21               | 2           | 8      | 04               | 11                     | 18               | 25     | 02       | 09   | 16<br>WB 1 | 23 )<br>TBM Tu |
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| r ISI | G into   | Shaft      |          |           |                  |             |        |                  |                        |                  |        |          |      |            |                |
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|       | G-W1 I   |            |          |           | rane (           | ψŢ          | no     | (/a              | ,<br>,<br>,            | ,<br>,<br>,      |        |          |      |            |                |
| Thru  | ist Fran | ne Re      | emova    |           |                  |             |        |                  |                        |                  |        |          |      |            |                |
| Inst  | all abd  | Asser      | nbly o   | f Spre    | ader B           | ear         | <br>n  | <br> <br>        |                        |                  |        |          |      |            |                |
| i     | EMV      |            |          |           |                  |             |        |                  |                        | ,<br>,<br>,      |        |          |      |            |                |
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|       | ISIG     | Comn       | ission   | ing       |                  |             |        |                  |                        |                  |        |          |      |            |                |
|       | <b>G</b> | allery     | G-W5     | to G-V    | N11 in           | stal        | ati    | on by            | ISIG                   |                  |        |          |      |            |                |
| •     | WB I     | SIG G      | allerv   | B Inst    | allatior         | 1 st        | art    |                  | -<br><br>-             |                  |        |          |      |            |                |
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|       |          | Galle      | a y B II | Istalla   | tion FT          | K-          |        | OFIR             | -/                     |                  |        |          |      |            |                |
|       | F        | Stee       | el Brido | be Inst   | allatio          | 'n          |        | 1<br>1<br>1      | 1<br>1<br>1            | 1<br>1<br>1      |        | -        |      |            |                |
|       |          | • WI       | 3 Sub-   | sea G     | alery E          | 3 In        | sta    | lation           | starte                 | μ<br>μ           |        |          |      |            |                |
|       |          |            |          | WR (      | Sallery          | B (         | <br>^н | 6642-6           | 57421                  | 00m @            | ⊅∕ln∩s | ¦        |      |            |                |
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| -     |          |            |          |           | WB (             | Sall        | ery    | ( B CH           | 6/42-0                 | 68558<br>¦       | 80m @  | 86nos/0  | lay  |            |                |
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| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |



| 17       | 24                                    | 21          |             | ugust            | 01               | 20         |         |        | Septem                 |                  | 25           |            |            | ober        | 00                  |  |
|----------|---------------------------------------|-------------|-------------|------------------|------------------|------------|---------|--------|------------------------|------------------|--------------|------------|------------|-------------|---------------------|--|
| lling    | 24<br>CH709                           | 31<br>8-719 | 07<br>8 ALL | 14<br>/CDG       | 21<br>558m       | 28         | 5       | 04     | 11                     | 18               | 25           | 02         | 09         | 16          | 23                  | 1  |
| unnel    | lling CH                              | 17198       | -7218       | ALL/C            | DG 5             | 78m        |         |        | ,<br>,<br>,<br>,       | ,<br>,           | -<br>        |            |            |             | ,<br>,              |  |
|          | helling                               |             |             |                  | ,<br>,<br>,      |            |         | 00m    | ,<br>,<br>,            | <br>             |              |            |            |             | <br>                | +  |
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|          | Funnell                               |             |             |                  |                  |            |         |        | <br> <br> <br>         |                  | -<br>-<br>   |            |            |             |                     |  |
|          | B TBM                                 |             |             |                  |                  |            |         |        | !                      |                  |              |            |            |             |                     |  |
|          | EBTB                                  | M Tui       | nnellin     | g CH7            | 379-7            | 391        | C       | )G/Bo  | ulder                  | 751m             |              |            |            | 1<br>1<br>1 | <br> <br> <br>      |  |
|          |                                       | EB TE       | 3M Tur      | nnellin          | g CH7            | 391        | -74     | 134 Bo | ulder                  | 794m             |              |            |            |             |                     |  |
|          |                                       | E           | B TBM       | Tunne            | elling (         | CH7        | 43      | 4-746  | 6 CDG                  | /Bould           | ler 82       | 4<br>6m    |            |             |                     | - +                                      |
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|          |                                       |             |             |                  | EB               | BN         | <br>  T | unnell | ing CH                 | 17623-           | 7650         | ;<br>¢dg/b | oulde      | 1010        | m                   | 1  |
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|          |                                       |             |             |                  |                  |            |         |        |                        |                  | EB1          | BM Tu      | nnel -     | Galler      | уВС                 | H  |
|          |                                       |             |             |                  |                  |            |         |        | +                      | <br>             | r            | EE         | B TBM      | Tunne       | el - Ga             | ile<br>I                                 |
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| latior   | byISI                                 | G           |             |                  |                  |            |         |        |                        | !                | L            |            |            |             | L<br> <br> <br>     | +  |
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| ide F    | TR-1 to                               | FTR         | -7          |                  |                  |            |         |        | ;<br>;<br>;<br>;       |                  |              |            |            |             | <br> <br>           |  |
|          | H6642                                 |             |             | @/n              | ns/dav           |            |         |        | ,<br>,<br>,            |                  | ,<br>        |            |            |             |                     |  |
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|          |                                       |             | 40.5        | Date             |                  | 000        |         | evisio | on                     |                  | heck         | ked        | A          | .pprov      | /ed                 |  |
|          |                                       |             |             | ec-19            |                  | 00<br>01   |         |        |                        | WYı<br>SPa       | ı<br>VLLo    |            | WY         | 1           |                     |  |
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| ICS      |                                       |             | 17-J        | ul-20            |                  | 01         |         |        |                        |                  | /LLo         |            | WYı        |             |                     |  |
|          |                                       |             |             | )ct-20<br>ul-21  | )                | 01<br>02   |         |        |                        |                  | /LLo<br>/LLo |            | WYı<br>WYı |             |                     |  |
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| Activity Name                                |     | Start       | Finish      | 2022   |  |  |  |  |  |  |  |  |  |
|--|-----|-------------|-------------|--|--|--|--|--|--|--|--|--|--|
|  |     |             |             | February     March     April     May     June     July     August     September     October       80     06     13     20     27     03     10     17     24     01     08     15     22     29     05     12     19     26     03     10     17     24     01     08     15     22     29     05     12     19     26     03     10     17     24     04     11     18     25     02     09     16     23     D |  |  |  |  |  |  |  |  |  |
| EB Gallery B CH6742-6855 80m @6nos/day       | 6   | 05-Jul-22   | 10-Jul-22   | EB Gallery B CH 6742: 6855 80m @6nos/day   |  |  |  |  |  |  |  |  |  |
| SUB-SEA TUNNEL CROSS PASSAGE (CP7-CP27a/b)   | 274 | 10-May-21 A | 26-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| CP TBM Design / Fabrication / FAT / Delivery | 144 | 10-May-21 A | 19-Mar-22 A |  |  |  |  |  |  |  |  |  |  |
| Fabrication / Refurbishment                  | 144 | 10-May-21 A | 10-Feb-22 A | Fabrication / Refutbishment  |  |  |  |  |  |  |  |  |  |
| FAT  | 24  | 11-Feb-22 A | 28-Feb-22 A | FAT  |  |  |  |  |  |  |  |  |  |
| Delivery of TBM components to the Site       | 24  | 01-Mar-22 A | 19-Mar-22 A | Delivery of TBM; components; to the Site   |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Fabrication                |     | 17-Dec-21 A | 29-Oct-22   |  |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment - 3%               | 18  |             |             | Lining Segment - 3%  |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment - 6%               | 18  | 17-Jan-22 A | 29-Jan-22 A | CP Precast Lining Segment - 6%   |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment - 10%              | 24  | 31-Jan-22 A | 19-Feb-22 A |  |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment - 20%              | 24  | 21-Feb-22 A | 30-Mar-22 A | CP Precast Lining Segment - 20%  |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment - 30%              | 5   | 31-Mar-22 A | 26-Apr-22 A | CP Precast Lining Segment - 30%  |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment - 40%              | 24  | 27-Apr-22 A | 06-Jul-22   | CP Precast Lining Segment - 40%  |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment - 50%              | 24  | 07-Jul-22   | 03-Aug-22   | CP Precast Lining Segment - 50%  |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment- 60%               | 24  | 04-Aug-22   | 31-Aug-22   | CP Precast Lining Segment- 60%   |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment - 70%              | 24  | 01-Sep-22   | 29-Sep-22   | CP Precast Lining Segme  |  |  |  |  |  |  |  |  |  |
| CP Precast Lining Segment - 80%              | 24  | 30-Sep-22   | 29-Oct-22   |  |  |  |  |  |  |  |  |  |  |
| WB CP Tympanum Structure                     | 72  | 20-Aug-22   | 15-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| CP7 - WB - Tympanum Civil works CH6705       | 24  | 20-Aug-22   | 17-Sep-22   | CP7 - WB- Tympanum Civil works C   |  |  |  |  |  |  |  |  |  |
| CP8 - WB - Tympanum Civil works CH6803       | 24  | 03-Sep-22   | 03-Oct-22   | CP8 - WB - Tympanur  |  |  |  |  |  |  |  |  |  |
| CP9 - WB - Tympanum Civil works CH6904       | 24  | 19-Sep-22   | 18-Oct-22   | CP9-Wi   |  |  |  |  |  |  |  |  |  |
| CP10 - WB - Tympanum Civil works CH7004      | 24  | 05-Oct-22   | 01-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| CP11 - WB - Tympanum Civil works CH7103      | 24  | 19-Oct-22   | 15-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| EB CP Tympanum Structure                     | 108 | 11-Jul-22   | 16-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| CP7 - EB - Tympanum Civil works CH6705       | 24  | 11-Jul-22   | 06-Aug-22   | CP7 - EB - Tympanum Civil works CH6705   |  |  |  |  |  |  |  |  |  |
| CP8 - EB - Tympanum Civil works CH6803       | 24  | 25-Jul-22   | 20-Aug-22   |  |  |  |  |  |  |  |  |  |  |
| CP9 - EB - Tympanum Civil works CH6904       | 24  | 08-Aug-22   | 03-Sep-22   | CP9 - EB Tympanum Civil works CH6904   |  |  |  |  |  |  |  |  |  |
| CP10 - EB - Tympanum Civil works CH7004      | 24  | 22-Aug-22   | 19-Sep-22   | CP10 - EB - Tympanum Civil work:   |  |  |  |  |  |  |  |  |  |
| CP11 - EB - Tympanum Civil works CH7103      | 24  | 05-Sep-22   | 05-Oct-22   | ¢P11-EB-Tympar   |  |  |  |  |  |  |  |  |  |
| CP12 - EB - Tympanum Civil works CH7203      | 24  | 20-Sep-22   | 19-Oct-22   | CP12-1   |  |  |  |  |  |  |  |  |  |
| CP13 - EB - Tympanum Civil works CH7303      | 24  | 06-Oct-22   | 02-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| CP14 - EB - Tympanum Civil works CH7403      | 24  | 20-Oct-22   | 16-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| CP TBM Pipe Jacking                          | 70  | 18-Sep-22   | 26-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| CP7 to CP8                                   | 70  | 18-Sep-22   | 26-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| CP7 - CP TBM cyde - Learning Curve           | 42  | 18-Sep-22   | 29-Oct-22   |  |  |  |  |  |  |  |  |  |  |
| CP8 - CP TBM cyde - Learning Curve           | 28  | 30-Oct-22   | 26-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| SUB-SEA TUNNEL INTERNAL & FINISHING          | 38  | 19-Sep-22   | 03-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| Corbel                                       | 38  | 19-Sep-22   | 03-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| Westbound                                    | 38  | 19-Sep-22   | 03-Nov-22   |  |  |  |  |  |  |  |  |  |  |
| WB - TBM Tunnel - Corbel Structure up to CP7 | 9   | 19-Sep-22   | 28-Sep-22   | WB - TBM Tunnel - Corbél   |  |  |  |  |  |  |  |  |  |
|  |     | 1           |             | Date Revision Checked Approved   |  |  |  |  |  |  |  |  |  |

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Milestone

Critical A

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

BOUYGUES TRAVAUX PUBLICS

| Date      | Revision | Checked | Approved |
|-----------|----------|---------|----------|
| 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      |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |
|           |          |         |          |

| Activity Name   |          | Start          | Finish     | 2022           |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
|---|----------|----------------|------------|----------------|---------------|---------------------------------------|------------------|---------------------------------------|------------------|--------------------|----------------|-------------|--|---------------------------------------|------------|---------------------------------------|------------------|-------------|-----------|------------|-------------|---------------------------------------|--------------|-------------|---------------------------------------|
|   |          |                | B          |                | ebruary<br>13 | 20                                    | March            | 20 27                                 | 7 03             | April              | Ma<br>01 08 1  | y<br>15 22  | 29 05  | June<br>12 19                         | 26 03      | July<br>10 17                         | 24               | 31 07       | August    |            | Septe       | mber<br>18 25                         |              | tober<br>16 | 23 1)                                 |
| WB - TBM Tunnel - Corbel Structure up to CP8                  | 14 05    | 5-Oct-22 20    | 0-Oct-22   |                |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       | -                |             | -         |            |             |                                       |              | _           | WB - T                                |
| WB - TBM Tunnel - Corbel Structure up to CP9                  | 14 19    | 9-Oct-22 03    | 3-Nov-22   |                | - +           |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | <u> </u>                              |
| CHA KWO LING ROAD WORKS                                       | 151 19-/ | 9-Apr-21 A 30- | )-Mar-22 A |                |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
| Wai Yip Street / Cha Kwo Ling Road Junction                   | 151 19-/ | 9-Apr-21 A 30- | )-Mar-22 A |                |               |                                       |                  | ÷                                     |                  |                    |                |             |  |                                       |            |                                       |                  |             |           | +          |             |                                       |              |             | <u>+-</u>   <b>/</b>                  |
| Reinstatement   | 30 19-/  | 9-Apr-21 A 30- | )-Mar-22 A |                |               |                                       |                  | +                                     | Reins            | statement          |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | <u>†</u>   <b>/</b>                   |
| Section 8E Completion   | 0        | 30             | )-Mar-22 A |                |               |                                       |                  | •                                     | Şectio           | ion 8E Completion  |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | <u>+-</u>   <b>/</b>                  |
| DRILL & BREAK TUNNEL [D&BR]                                   | 333 06-[ | -Dec-21 A 30   | 0-Nov-22   |                | - +           | <br>                                  |                  | +                                     |                  |                    |                |             |  |                                       |            | - <del>-</del>                        |                  |             |           |            |             |                                       |              |             | <u>+</u> -  <b>/</b>                  |
| Tunnel Excavation   | 333 06-[ | -Dec-21 A 30   | 0-Nov-22   | !              |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            | - <b>i</b>                            |                  |             |           |            |             |                                       |              |             | <u>†</u>                              |
| EB - D&Br Tunnel - CH9025-9010 Type D - Excavation Top        | 40 06-'  | -Dec-21 A 22-  | 2-Jan-22 A | &Br¦ Tunr      | nel - CH      | 9025-9                                | 010 Type D - Exc | i i                                   | pp               |                    |                |             | J<br>I   |                                       | +          |                                       |                  |             |           |            |             |                                       |              |             | <b>/</b>                              |
| EB - D&Br Tunnel - CH9055-9020 Type D - Excavation Bench & SG | 72 23-[  | -Dec-21 A 07   | 7-Aug-22   |                |               |                                       |                  | +                                     | - - <u>+</u>     |                    |                |             |  |                                       |            |                                       |                  | E           | B - D&F   | Br Tunnel  | H9055-902   | 20 Type D - Ex                        | cavation Ber | nch & S     | ۲ ز                                   |
| EB - D&Br Tunnel - CH9010-8995 Type D - Excavation Top        | 39 24-   | -Jan-22 A 03-  | -May-22 A  |                |               |                                       |                  | +                                     | - - +<br>  ;     |                    | EB - D&Br      | Tunnel -    | CH9010-899   | 95 Type D - Ex                        | cavation 7 | op                                    |                  |             |           |            |             |                                       |              |             | †  <b> </b>                           |
| Probe hole at CH8995  | 1 04-'   | -May-22 A 04-  | -May-22 A  |                | - +           |                                       |                  | 1<br>1<br>1<br>1<br>1<br>1            |                  |                    | Probe hol      | le at CH89  | 995  |                                       |            |                                       | - <del>1</del>   |             |           |            |             |                                       |              |             | <b>   </b>                            |
| EB - D&Br Tunnel - CH8995-8976 Type D - Excavation Top        | 50 05-N  | -May-22 A 23   | 23-Jul-22  |                |               |                                       |                  |                                       |                  |                    |                |             | ·  |                                       |            | · · · ·                               | EB EB            | D&Br Tur    | nnel - Cł | H8995-8976 | Type D - E> | xcavation Top                         |              |             | <b> </b>                              |
| EB - D&Br Tunnel - CH9020-8990 Type D - Excavation Bench & SG | 60 08-   | 8-Aug-22 06    | 6-Oct-22   |                |               |                                       |                  | · · · · · · · · · · · · · · · · · · · |                  |                    |                |             |  |                                       |            | - <u>-</u>                            | - <b>-</b>       |             |           | <u>.</u>   |             |                                       | EB-1         | D&Br Tu     | innel -                               |
| EB - D&Br Tunnel - CH8990-8976 Type D - Excavation Bench & SG | 55 07    | 17-Oct-22 30   | 0-Nov-22   |                |               |                                       |                  | · · · · · · · · · · · · · · · · · · · |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | <u> </u>                              |
| DRILL & BLAST TUNNEL [D&BL]                                   | 274 14-[ | -Dec-21 A 13-  | 8-Apr-22 A |                |               | · · · · · · · · · · · · · · · · · · · |                  | · · · · · · · · · · · · · · · · · · · |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
| Tunnel Excavation   | 28 14-[  | -Dec-21 A 29-  | Jan-22 A   |                |               | <br>                                  |                  | · · · · · · · · · · · · · · · · · · · |                  |                    |                |             |  | · · · · · · · · · · · · · · · · · · · |            |                                       |                  |             |           |            |             |                                       |              |             | <b> </b>                              |
| Eastbound   | 28 14-[  | -Dec-21 A 29-  | Jan-22 A   |                |               |                                       |                  | +                                     |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
| Full Face Drill & Blast                                       | 28 14-   | -Dec-21 A 29-  | Jan-22 A   |                |               |                                       |                  | +                                     |                  |                    |                |             |  |                                       | +          | · · · · · · · · · · · · · · · · · · · |                  |             |           |            |             |                                       |              |             |                                       |
| EB - D&BI Tunnel - Branch Tunnel S01                          | 28 14-[  | -Dec-21 A 29-  | Jan-22 A   | B - D&E        | 3l¦Tunne      | el - Bran                             | nch Tunnel S01   | +                                     |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | <b>/</b>                              |
| Tunnel Structure EB Type A                                    | 197 05-, | -Jan-22 A 13   | 3-Apr-22 A |                |               |                                       |                  |                                       | -                |                    |                |             |  | <br>                                  |            |                                       |                  |             |           |            |             | · · · · · · · · · · · · · · · · · · · |              |             | <b>/</b>                              |
| East Bound New Blast Door Installation                        | 12 05    | -Jan-22 A 28-  | B-Feb-22 A |                |               |                                       | East Bound No    | ∲w Blaşt D                            | 1.1              | i i i              |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | <b></b>                               |
| East Bound New Blast Door CNP Application                     | 16 01-F  | -Feb-22 A 30-  | )-Mar-22 A |                |               | '                                     |                  | · · ·                                 | 1.1              | Bound New Blast Do | 1              | ation       |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
| Removal of old Blast Door                                     | 22 08-1  | B-Mar-22 A 13- | 3-Apr-22 A |                |               |                                       |                  | +                                     |                  | Removal of ol      | 1              |             |  |                                       |            |                                       | · - <del>;</del> |             |           |            |             |                                       |              |             | <b>/</b>                              |
| EAST VENTILATION BUILDING [EVB]                               | 368 13-  | -Mar-21 A 21   | 1-Dec-22   |                |               |                                       |                  | +                                     |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | <b> </b> /                            |
| Excavation  | 297 13-  | -Mar-21 A 15   | 5-Sep-22   |                |               |                                       |                  | ±                                     |                  |                    |                |             |  |                                       |            | · · · · · · · · · · · · · · · · · · · |                  |             |           |            |             |                                       |              |             |                                       |
| Westbound   |          | -Mar-21 A 15-  |            |                |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
| Westbound Excavation  | 66 13-1  | -Mar-21 A 15-  | -Feb-22 A  |                | W             | Vestbou                               | Ind Excavation   |                                       |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
| Eastbound   | 143 05-1 |                | 5-Sep-22   |                |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | , , , , , , , , , , , , , , , , , , , |
| Eastbound Excavation  | 143 05-1 | -Mar-22 A 15   | 5-Sep-22   |                |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       |                  |             | -         |            |             | Eastbound                             | Excavation   |             |                                       |
| Foundation / Portal Structure                                 | 214 16-F |                | 1-Dec-22   |                | - +           |                                       |                  | +;<br> <br> ;                         |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
| Westbound   | 214 16-F |                | 1-Dec-22   |                |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
| Trench Excavation   | 24 16-F  | -Feb-22 A 26-  | o-Mar-22 A | <br> <br> <br> |               |                                       |                  | Tr                                    | rench E          | Excavation         |                |             |  |                                       |            |                                       |                  |             | 1         |            |             |                                       |              |             |                                       |
| EVB - WB Earth Mat Installation                               | 12 28-1  | -Mar-22 A 20-  | )-Apr-22 A |                |               |                                       |                  |                                       | - - <del>-</del> | EVB - V            | VB Earth Mat I | nstallation | 1  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             |                                       |
| EVB - WB Drainage & Blinding                                  | 18 21-/  | -Apr-22 A 0    | 08-Jul-22  |                |               |                                       |                  | +                                     |                  |                    |                |             |  | -l                                    | +          | EVB - WE                              | 3 Draina         | ge & Blindi | inġ       |            |             |                                       |              |             | +-                                    |
| EVB - WB Foundation & SG Level Walls & Slab                   | 91 09    | 09-Jul-22 26   | 6-Oct-22   | !              | -             |                                       |                  | L                                     |                  |                    |                |             | J<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I |                                       |            | · · · ·                               | - 4              |             |           |            |             |                                       |              |             |                                       |
| EVB - WB Tunnel & Plenum Level Wall & Column                  | 48 27    | 7-Oct-22 21    | 1-Dec-22   |                | - 1           |                                       |                  |                                       |                  |                    |                |             |  |                                       |            | - 1                                   |                  |             |           |            |             |                                       |              |             | ·····                                 |
| Eastbound   | 48 16-   | 6-Sep-22 12    | 2-Nov-22   |                | - +           |                                       |                  | +<br>!                                |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | + -                                   |
| Trench Excavation   | 18 16-   | 6-Sep-22 08    | 08-Oct-22  |                |               |                                       |                  | +                                     |                  |                    |                |             |  |                                       | +          |                                       |                  |             |           |            |             |                                       | 1 1          | ench Exc    | 1                                     |
| EVB - EB Earth Mat Installation                               | 12 10    | 0-Oct-22 22    | 2-Oct-22   |                |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       | (            |             | EVB                                   |
| EVB - EB Drainage & Blinding                                  | 18 24    | 4-Oct-22 12    | 2-Nov-22   |                |               |                                       |                  | <br>                                  |                  |                    |                |             |  |                                       |            |                                       |                  |             |           |            |             |                                       |              |             | +-                                    |
|   |          |                | L          |                |               |                                       |                  |                                       |                  |                    |                |             |  |                                       |            |                                       | ;                |             |           |            | <u> </u>    |                                       |              | <u>   </u>  | <u> </u>                              |

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- Milestone
   Planned Bar
   Critical A divity
- Critical Activity
  Critical Activity

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

BOUYGUES TRAVAUX PUBLICS



| Date      | Revision | Checked | Approved |  |  |  |  |
|-----------|----------|---------|----------|--|--|--|--|
| 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      |  |  |  |  |
| 02-Jul-21 | 02V0     | SPa/LLo | WYu      |  |  |  |  |
|           |          |         |          |  |  |  |  |