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)

August - October 2020

(Version 1)

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

REMARKS:

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

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

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Ref.: CEDKTDT2EM00_0_0208L.21

21 June 2021

By Post and Email

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

Attention: Mr. Edwin Ching

Dear Mr. Ching,

Re: Agreement No. EDO 01/2019 Independent Environmental Checker for Contract No. ED/2018/04 – Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron (Environmental Permit: EP-458/2013/C)

Quarterly EM&A Summary Report (August 2020 to October 2020)

Reference is made to the Environmental Team's submission of the Quarterly EM&A Summary Report for August 2020 to October 2020 (Version 1) certified by the ET Leader and provided to us via email on 21 June 2021.

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

1. This is the 2nd 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 August 2020 to October 2020.

Summary of Main Works Undertaken and Key Measures Implemented

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

August 2020

- East Portal Site Setup
- East Portal Blast door (EB) installation completed.
- Portal rock bolt installation completed.
- Horizontal GI for EB completed.
- CKL Junction Improvement Works

September 2020

- East Portal Blast Door Installation
- East Portal Horizontal Ground Investigation
- West Bound Drill & Break Tunnel
- East Bound Drill & Blast Tunnel

October 2020

- East Portal Blast Door Installation
- East Portal Horizontal Ground Investigation
- West Bound Drill & Break Tunnel
- East Bound Drill & Blast Tunnel

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.
- 5. Summary of the non-compliance in the reporting quarter for the Project is tabulated in **Table I**. Details of the environmental monitoring results is presented in **Section 3**.

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

Parameter	No. of Ex		this P	Activities of roject	Action Taken
	Action Level	Limit Level	Action Level	Limit Level	
August 2020					
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 Monitoring (Piezometer 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	0	N/A	0	N/A
September 2020	•				
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 Monitoring (Piezometer 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	0	N/A	0	N/A
October 2020					
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 Monitoring (Piezometer 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	0	N/A	0	N/A

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.

 Table II
 Summary Table for Key Information in the Reporting Quarter

Enord		Event Details		States
Event	Number	Nature	Action Taken	Status
Complaints Received	1	Noise	Details refer to App J	Closed
Notifications of any summons & prosecutions received	0		N/A	N/A

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. No reporting change in the reporting quarter.

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 –	Cha Kwo Ling Tunnel
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 2nd Quarterly EM&A Summary Report summarizing the EM&A works for the Project in between August 2020 and October 2020.

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	Key Project Contact	S	
Party	Role	Contact Person	Phone No.
CEDD	Permit Holder	Mr. Wong Chi Wai, Tommy	3842 7111
HMJV	Supervisor Representative	Mr. Joe Nam	3742 3820
Cinotoph	Cinotech Environmental Team	Mr. KS Lee (ETL)	2151 2091
Cinotech		Ms. Karina Chan	2157 3880
Ramboll	Independent Environmental Checker	Mr. Manson Yeung	3465 2888
BTP	Contractor	Mr. Bryan Lee	5588 3891

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: August 2020
 - East Portal Site Setup
 - East Portal Blast door (EB) installation completed.
 - Portal rock bolt installation completed.
 - Horizontal GI for EB completed.
 - CKL Junction Improvement Works

September 2020

- East Portal Blast Door Installation
- East Portal Horizontal Ground Investigation
- West Bound Drill & Break Tunnel
- East Bound Drill & Blast Tunnel

October 2020

- East Portal Blast Door Installation
- East Portal Horizontal Ground Investigation
- West Bound Drill & Break Tunnel
- East Bound Drill & Blast Tunnel

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 5.1 Summary of Weather Condition	ans in the Reporting Feriod
Reporting Month	General Weather Conditions
August 2020	Sunny, Cloudy, Rainy
September 2020	Sunny, Cloudy, Rainy
October 2020	Sunny, Cloudy, Rainy

Table 3.1 Summary of Weather Conditions in the Reporting Period

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 Due to the technical problems of the power system of Tin Hau Temple, no electrical supply can be provided for HVS at AM1, therefore, the 24-hour TSP monitoring at AM1 was temporarily suspended between 12 September 2020 and 7 October 2020. Other than the aforesaid monitoring, all 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action / Limit Level exceedance was 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. No Limit Level exceedance for day time was 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 Monitoring of landfill gases was commenced in March 2016 and were carried out by the Contractors of Agreement No. CE 59/2015 (EP) in the reporting quarter. No Limit Level exceedance was recorded. The graphical presentations of the landfill gas monitoring results are shown in **Appendix E**.

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	N/A
AM3 – Yau Lai Estate Bik Lai House	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza
AM4 - Sitting-out Area at Cha Kwo Ling Village	Road Traffic at Cha Kwo Ling Road
AM4(A) - Cha Kwo Ling Public Cargo 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 Stations	Locations	Major Noise Source
CM1	Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza
CM2	Bik Lai House, Yau Lai Estate Phase 1, Yau Tong	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza
CM3	Block S, Yau Lai Estate Phase 5, Yau Tong	Road Traffic near Eastern Cross Harbour 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 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 was 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. No Limit Level exceedance was recorded for day time construction noise in the reporting quarter.

Landfill Gas

4.4 No Limit Level exceedance was recorded 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 One (1) 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 One (1) 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:

Air Quality Impact

• Mitigation measures for minimize dust nuisance should be always implemented on site, and review as well as inspection of the efficiency of such measurements should also be carried out regularly.

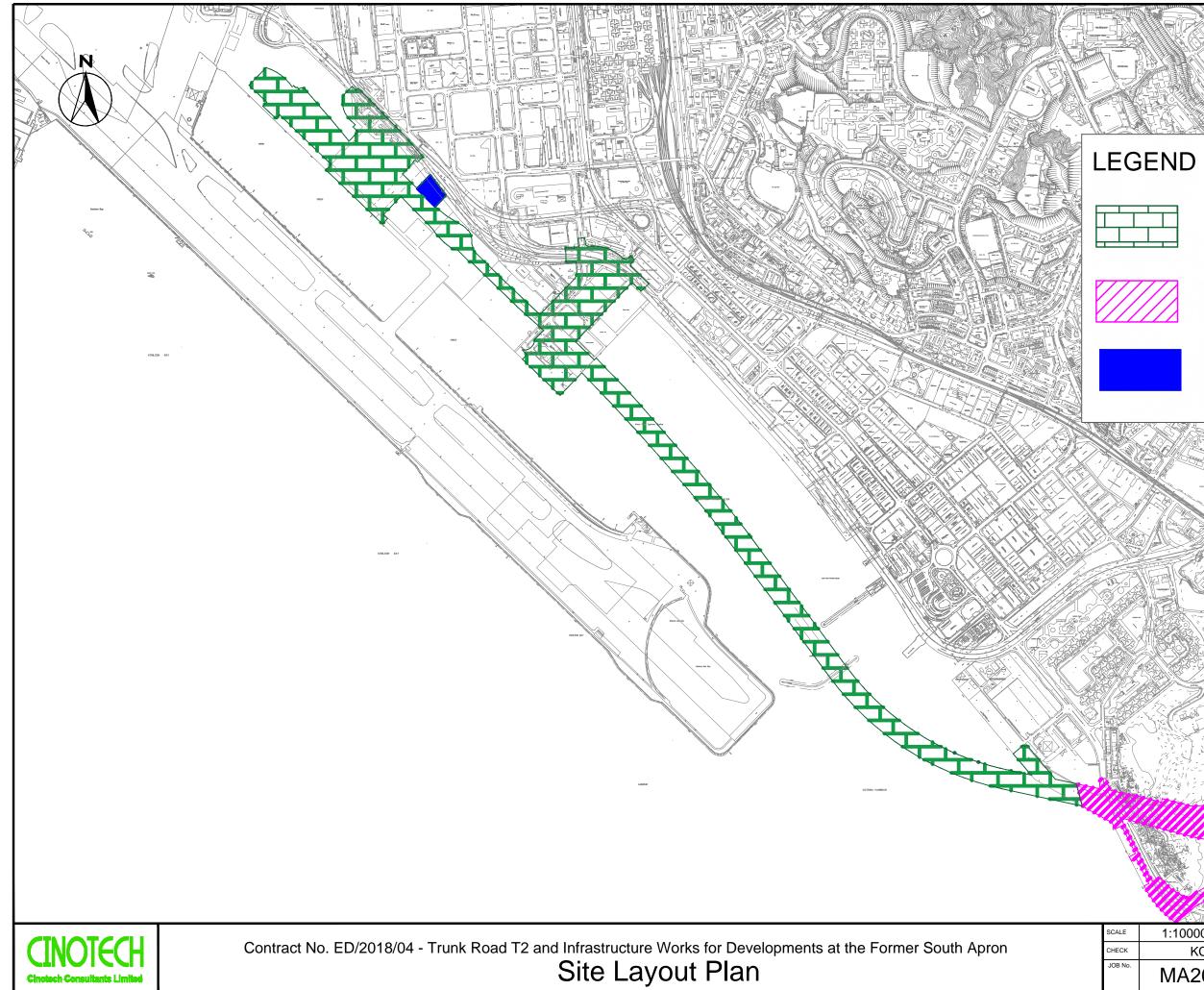
Construction Noise

• Contractor should always implement the construction noise mitigation measures to minimize the noise nuisance generated from construction activities

Waste/ Chemical Management

- 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.
- Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents

FIGURES



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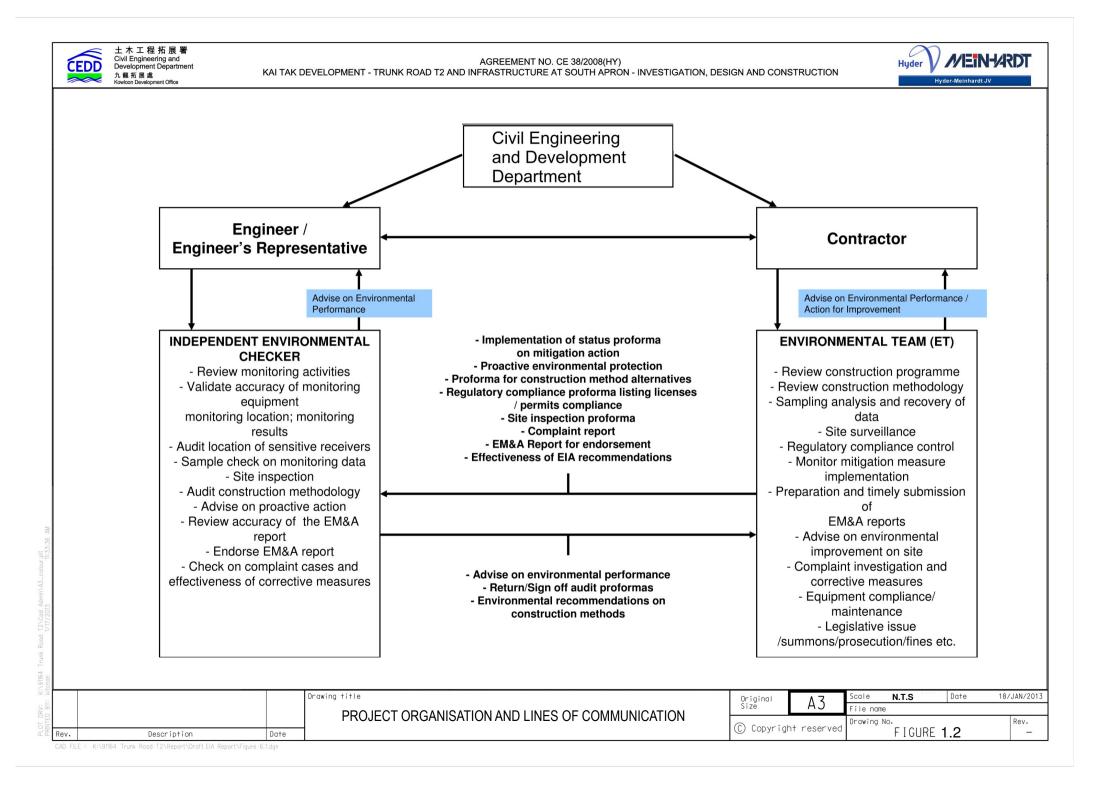
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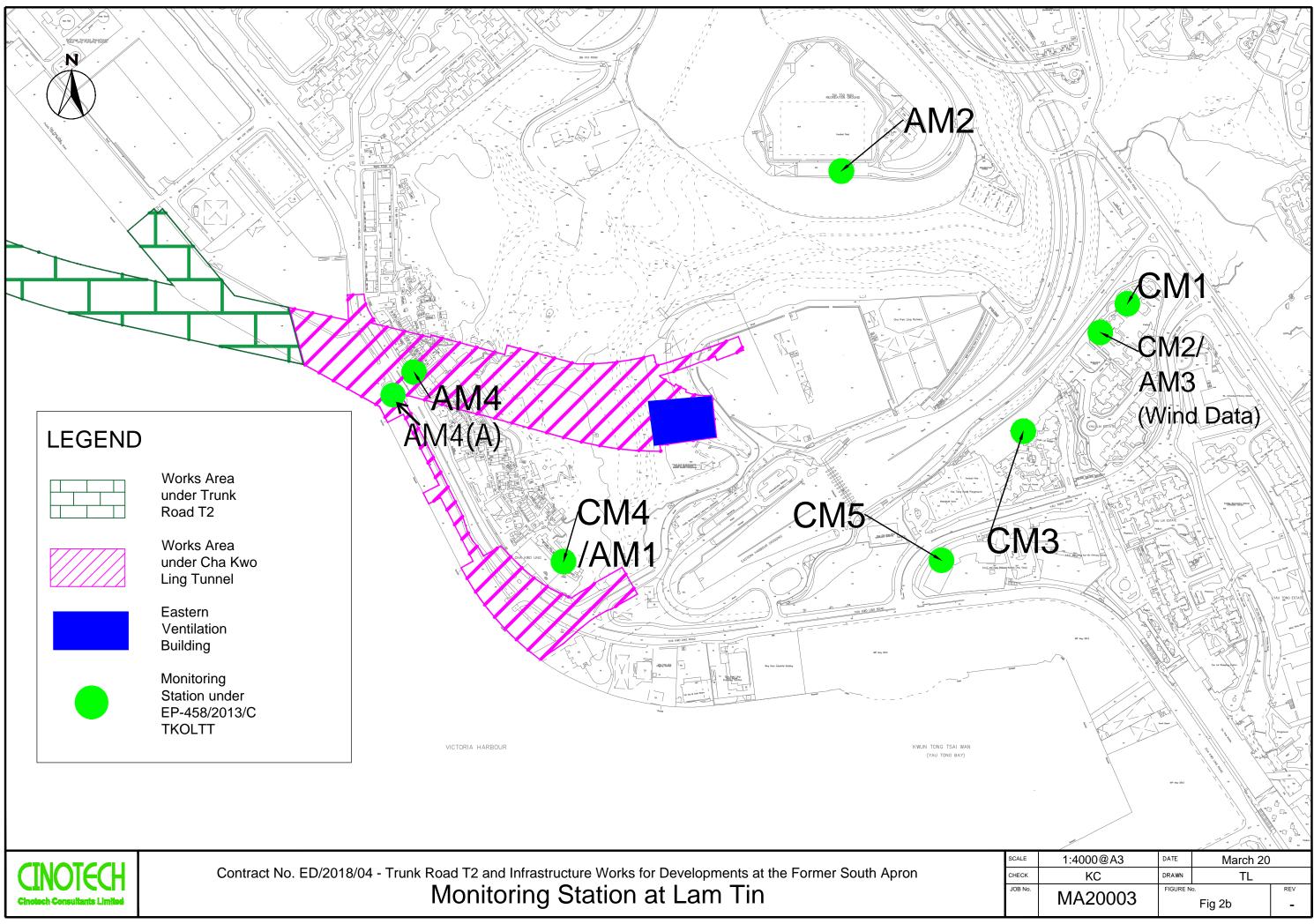
Works Area under Trunk Road T2

Works Area under Cha Kwo Ling Tunnel

Ventilation Building

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APPENDIX A MONITORING REQUIREMENTS

Appendix A - Environmental Impact Monitoring Requirements

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

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).

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

Table	III –La	ndfill Gas	s Monitoring
1 4010			, monitoring

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

APPENDIX B ACTION AND LIMIT LEVELS

APPENDIX B – Action and Limit Levels

Air Quality

1-hr TSP

Monitoring Stations	Location	Action Level, μg/m ³	Limit Level, µg/m ³
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 Stations	Location	Action Level, µg/m ³	Limit Level, µg/m ³	
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 Administrative Office	210		

<u>Noise</u>

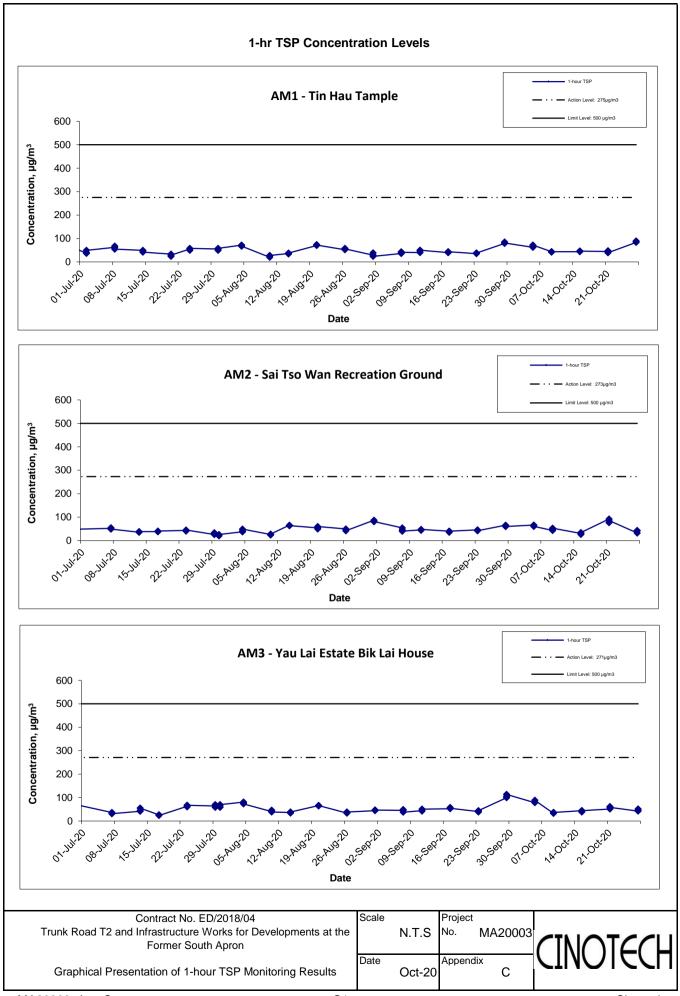
Time Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays	When one documented complaint is received from any one of the monitoring stations	75 dB(A) ⁽¹⁾

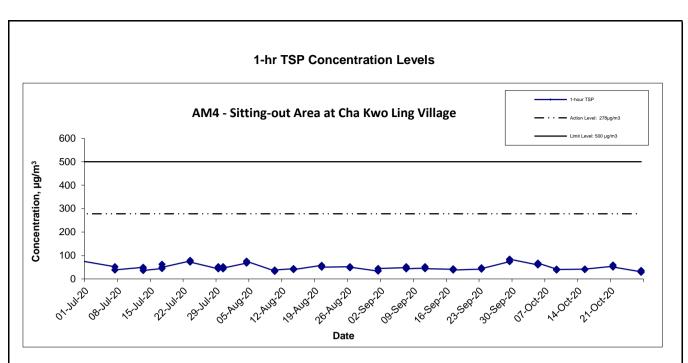
¹70 dB(A) for schools and 65 dB(A) for schools during examination period.

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

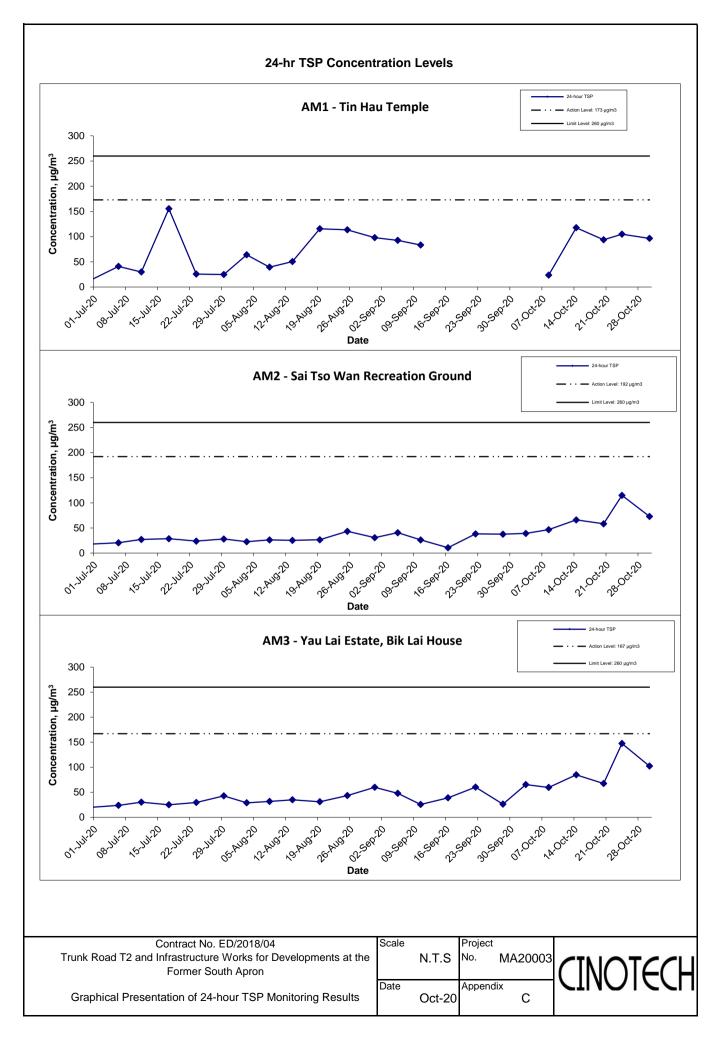


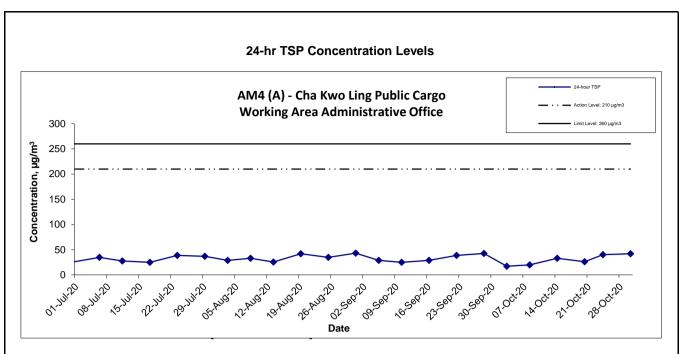


Notes:

- 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 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron	Scale		Project No.	MA20003	
Graphical Presentation of 1-hour TSP Monitoring Results	Date	Oct-20	Appendi	× C	



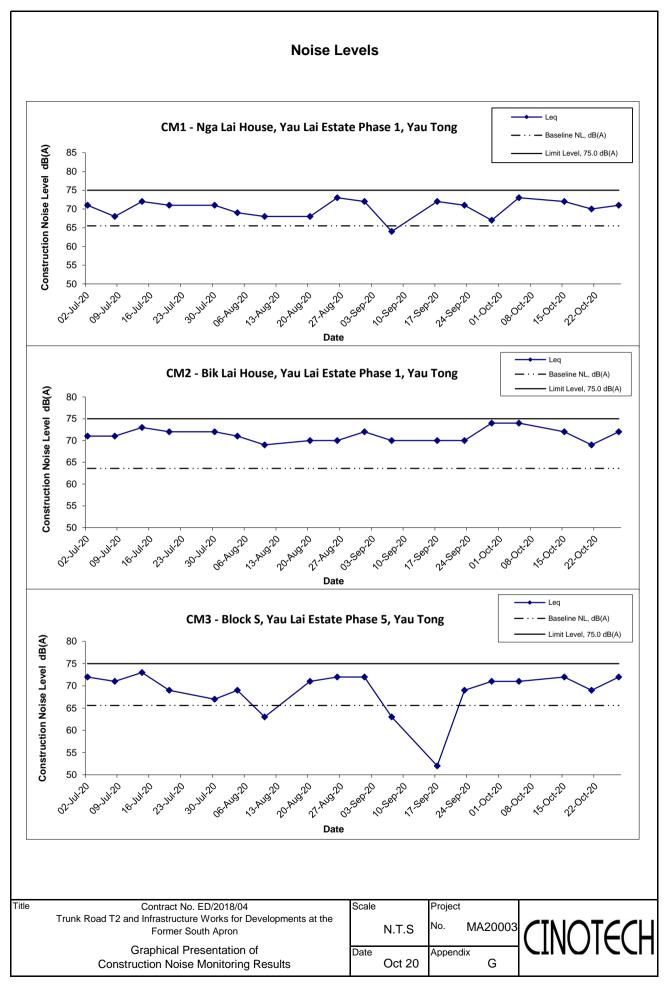


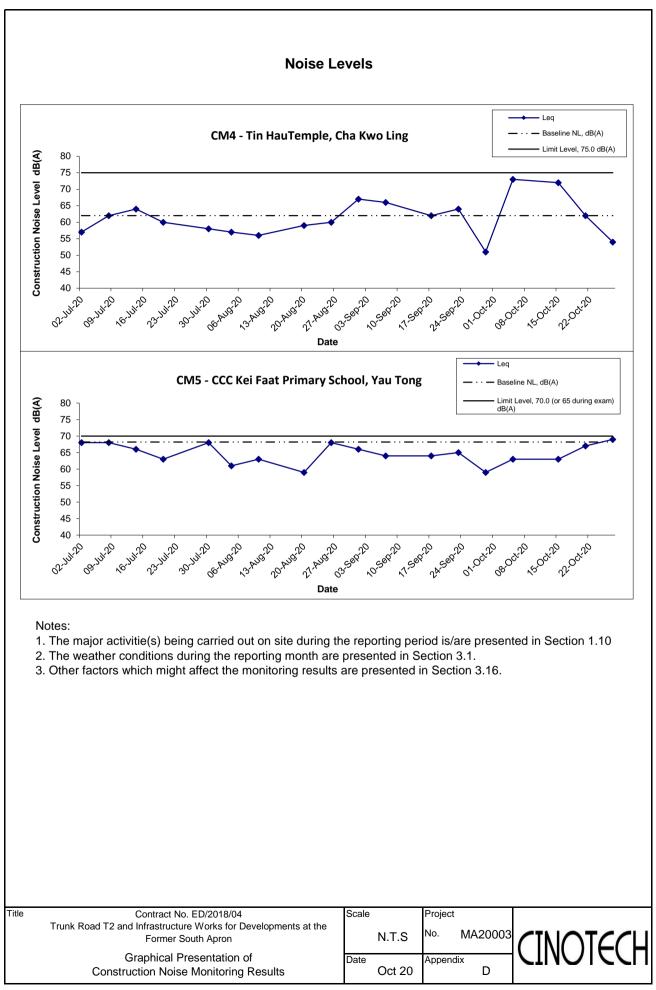
Notes:

- 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) Measurement cannot be carried out for AM1 between 12 Sep 2020 7 Oct 2020 as no power supply due to technical problems in the system of the Temple.

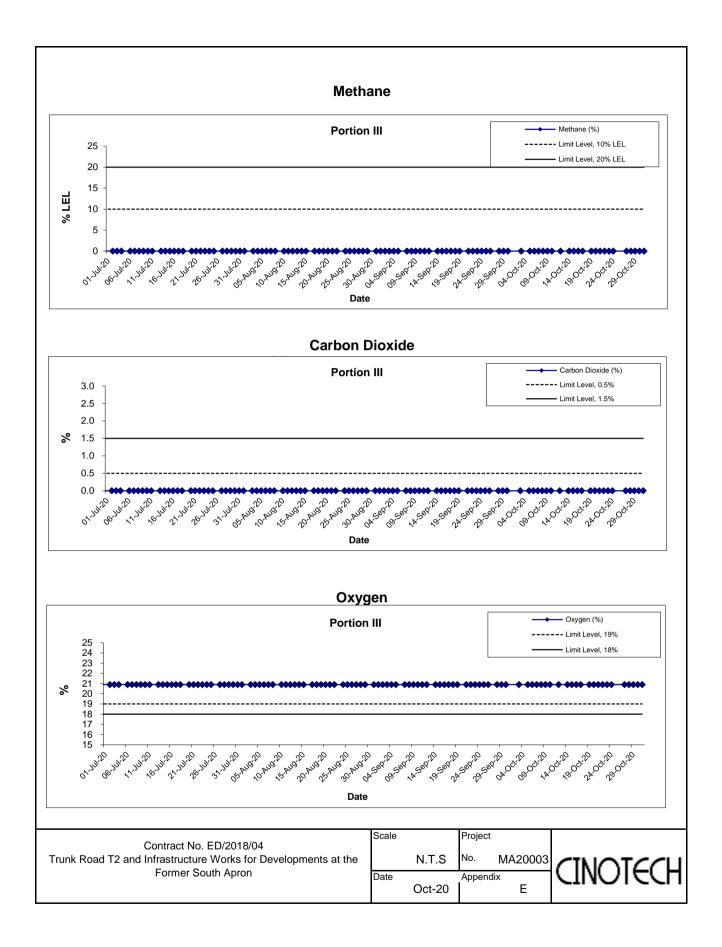
Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron	Scale		Project No. MA20	
Graphical Presentation of 24-hour TSP Monitoring Results	Date	Oct-20	Appendix C	

APPENDIX D GRAPHICAL PRESENTATION OF NOISE MONITORING RESULTS





APPENDIX E GRAPHICAL PRESENTATION OF LANDFILL GAS MONITORING RESULTS



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

August 2020

Items	Date	Status*	Follow up Action
Water Quality			
Ecology			
Noise			
Moveable noise barrier shall be provided to reduce the noise nuisance generated from breaker.	23 July 2020	~	Item was rectified on 06 August 2020.
Landscape and Visual			
Air Quality			
Waste / Chemical Management			
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

September 2020

Items	Date	Status*	Follow up Action
Water Quality			
Noise			
Landscape and Visual			
Air Quality			
Waste / Chemical Management			
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

Follow up action will be reported in next reporting r

* 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

October 2020

Items	Date	Status*	Follow up Action
Water Quality			
Noise			
Landscape and Visual			
Air Quality			
Waste / Chemical Management			
Storage area of the chemical waste should be labelled.		~	Improved/rectified on 29 October
Contractor was reminded the chemical/ fuel area should be provided with lock	22 October 2020	~	2020
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)

App G - ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

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

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & 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?
Air Quality						
\$3.8.1	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	APCO
S3.8.1	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
\$3.8.7	 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. Use of frequent watering for particularly dusty construction areas and areas close to ASRs 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. Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. 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. 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. Imposition of speed controls for vehicles on site haul roads. Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs 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. 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. 	To minimize the dust impact	Contractor	All Construction Work Sites	Construction phase	APCO and Air Pollution Control (Construction Dust) Regulation
/	 Emission from Vehicles and Plants All vehicles shall be shut down in intermittent use. Only well-maintained plant should be operated on-site and plant should be serviced regularly to avoid emission of black smoke. All diesel fuelled construction plant within the works areas shall be powered by ultra low sulphur diesel fuel (ULSD) 	Reduce air pollution emission from construction vehicles and plants	Contractor	All construction sites	Construction stage	APCO

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & 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?
/	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
Noise Impact (Const	ruction Phase)					
S4.8	 Use of quiet PME. Use of movable noise barriers for Excavator, Lorry, Dump Truck, Mobile Crane, Compactor, Concrete Mixer Truck, Concrete Lorry Mixer, Breaker, Mobile Crusher, Backhoe, Vibratory Poker, Saw, Asphalt Paver, Vibratory Roller, Vibrolance, Hydraulic Vibratory Lance and Piling (Vibration Hammer). Use of full enclosure for Air Compressor, Compressor, Bar Bender, Generator, Drilling Rig, Chisel, Large Diameter Bore Piling, Grout Mixer & Pump and Concrete Pump. 	To minimize construction noise impact arising 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 from the Project at the affected NSRs	Contractor	Work Sites	Construction phase	EIAO-TM, NCO
S4.9	 Good Site Practice Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program. Mobile plant, if any, should be sited as far away from NSRs as possible. 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. 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. Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities. 	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 from the Project at the affected NSRs	Contractor	Work site near school	Construction phase	EIAO-TM, NCO
Water Quality Impa	ct (Construction Phase)					
85.6.24	The dry density of filling material for the TKO-LT Tunnel reclamation should be 1,900kg/m ³ , 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 ³ (i.e. 1,000 m ³ 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 Plan	 Silt curtains should be deployed properly to surround the works area. Maintenance of silt curtain should be provided. Sufficient stock of silt curtain should be provided on site. 	Control potential impacts from marine woroks	Contractor	NE/2015/01	Construction stage	EIAO
	 Other good site practices should be undertaken during filling operations include: 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; floating single silt curtain shall be employed for all marine works; 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; 					

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & 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?
S5.8.3	 all hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; excess material shall be cleaned from the decks and exposed fittings of barges before the vessel is moved; adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action; 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 	Control potential impacts from filling activities and marine-based construction	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO, Waste Disposal Ordinance (WDO)
	 and the surrounding water. Barges of hoppers should not be lined to a ever that with cause the overflow of materials or polluted water during loading or transportation; any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes; 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 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. 					
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 and marine based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
ERR \$5.6.1	 To minimize water quality impact arising from the dredging and filling works for Reclamation for Road P2, the following mitigation measures shall be implemented: 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) The temporary barrier fully enclosing the dredging and underwater filling works. Water quality sampling and testing shall be carried out to demonstrate that the water quality inside the enclosed barrier. Silt curtains shall be deployed for the installation and removal of the temporary barrier 	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	and at the double water gates marine access opening during its operation. 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 Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO, TM- DSS
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 discharges 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, TM- DSS
S5.8.8	Exposed soil areas should be minimised to reduce the potential for increased siltation, contamination of runoff, and erosion. Construction runoff related impacts associated with the above ground construction activities can be readily controlled through the use of appropriate mitigation measures which include:	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 \$5.8.8	 use of sediment traps; and adequate maintenance of drainage systems to prevent flooding and overflow. 					
\$5.8.9	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

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & 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?
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
S5.8.11	Sedimentation tanks of sufficient capacity, constructed from pre-formed individual cells of approximately 6 to 8m ³ 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
S5.8.14	Open stockpiles of construction materials (for examples, aggregates, sand and fill material) of more than 50m ³ 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 temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage 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
\$5.8.16	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
\$5.8.17	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 of other construction activities. Sediment traps should be installed in order to minimise the sediment loading of the effluent prior to discharge into foul sewers. There shall be no direct 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

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & 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?
\$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 & Table 5.18	Grouting would be adopted as measure to reduce the groundwater inflow into the tunnel. During the tunnel excavation, the inflow rate of groundwater into the tunnel will be measured during the excavation. The groundwater levels above the tunnel will also be monitored by piezometers. If the inflow rate exceeds the pre-determined groundwater control criteria or the groundwater drawdown exceeds the required limit, pre-excavation grouting will be required to reduce the groundwater inflow. No significant change of groundwater levels would therefore be expected. Any chemicals/ foaming agents which would be entrained to the groundwater should be biodegradable and non-toxic throughout the tunnel construction. Potential groundwater quality impact would be minimal as the used material is non-toxic and biodegradable. No adverse groundwater quality would therefore be expected. Prescriptive measures in the form of an Action Plan with pre-empire and re-active to preserve the 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, Buildings Ordinance
\$5.8.28	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 Construction Phas	ProPECC PN 1/94, EIAOTM, WPCO
	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
S5.8.33	Bentonite slurries used in diaphragm wall and borepile construction should be reconditioned and reused wherever practicable. If the disposal of a certain residual quantity cannot be avoided, the used slurry may be disposed of at the marine spoil grounds subject to obtaining a 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
\$5.8.34	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
\$5.8.36	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 Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.37	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
	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

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & 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?
\$5.8.39	Acidic wastewater generated from acid cleaning, etching, pickling and similar activities should be neutralized to within the pH range of 6 to 10 before discharging into foul sewers. If there is no public foul sewer in the vicinity, the neutralized wastewater should be tinkered off site for disposal into foul sewers or treated to a standard acceptable to storm drains and the 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
\$5.8.44	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
\$5.8.45	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	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: suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport; chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.	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 and debris	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO,
Ecological Impact						
S6.8.4	 Measures to Minimize Disturbance Use of Quiet Mechanical Plant during the construction phase should be adopted wherever possible. 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; Regular spraying of haul roads to minimize impacts of dust deposition on adjacent vegetation and habitats during the construction activities 	Minimize noise, human and traffic disturbance to terrestrial habitat and wildlife; and reduce dust generation	Design Team / Contractor	Land-based works are	Construction Phase	N/A
	Standard Good Site Practice Placement of equipment or stockpile in designated works areas and access routes selected on existing disturbed land to minimise disturbance to natural habitats.					

96.8.5 • Contrasting activities checkle works and web checkle kerby Antrenical Target web ranks and web checkle direct of were the web. Packer distributive to merunding behins Contrastor Contrastor Contrastor Contrastor Contrastor NA 96.8.5 • Manual checkle web checkle web checkle distributive dis	EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & 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?
Image: Second and the put are place to that like, fiel and solvents do an enter the recelv seconds: Image: Second and the put are place to that like, fiel and solvents do an enter the recelv seconds: Image: Second and the put and seconds are field and solvents do an enter the recelv second and the put and seconds are place contained and provide and field and solvents do and enter the solvent and the solven	\$6.8.5	 demarcated. The works areas should be reinstated after completion of the works. Waste skips should be provided to collect general refuse and construction wastes. The wastes should be properly disposed off-site in a timely manner. General drainage arrangements should include sediment and oil traps to collect and control 	Reduce disturbance to surrounding habitats	Contractor	Land-based works are	Construction Phase	N/A
Set.6.6 • The trained number construction method with groundbaster inflow corrain inscarse would groundbaster inflow Minimize groundbaster inflow Contractor Tuned Construction Place NA Set.6.6 • Diright be tuning construction ing could to explore the box groundbaster inflow Imminize groundbaster inflow Contractor Tuned Construction Place NA Set.6.6 • Hearter to Munite/Explore to Crols Construction Place NA Construction Place NA Set.8.7 • Hearter to Munite/Explore to Crols Construction Place NA Place to Munite/Explore to Crols For translocation Place to Munite/Explore to Crols For translocation Place to Munite/Explore to Crols For translocation model by construction to close to endite of the other statiable close of coreal Place to Munite/Explore the other statiable close of coreal Place to Munite/Explore the other statiable close of coreal Place to Munite/Explore the other statiable close of coreal Place to Munite/Explore the other statiable close of coreal Place to Munite/Explore the other statiable close of coreal Place to Munite/Explore the other statiable close of coreal Place to Munite/Explore the other statiable close of coreal Place to Munite/Explore to Munite/Explore the other statiable close of coreal Place to Munite/Explore the other statiable close of coreal Place to Munite/Explore the other statiable close of coreal Place to		Measures should also be put into place so that litter, fuel and solvents do not enter the					
Measure to Minimize Impact on Corab California california Measure to Minimize Impact on Corab California california Measure to Minimize Impact on Corab California Measure to framework of translocate the affected coral edonies, except the locally common Outcarree critication, while the reclamation area and bridge togenize the to their stabile becomes in far as particular. Design team, contractor, provide the contract of the provide the stability of the stability of the stability of the stability of the contract of the stability of translocation receiver as includible contract of the contranslocation and the stability of translocation. AFCD prior to commencement of contranslocation contract of the contranslocation receivers and prevent of the contranslocation. AFCD prior to commencement of contranslocation. Prior construction of the contranslocation receivers and prevent of the contranslocation monitoring survey should include observations on the presence, survey, should be designed to approved by AFCD prior to commencement of contranslocation contact of revely stability to contract of contranslocation contact of the presence survey. The should be compared with the baseline results conducted or revely stability to contract of stability to single compared with the baseline results conducted or revely stability to contract of stability to single compared with the baseline results conducted cortal revely stability to antice the stability of stability to antice the stability to antice the stability of stability stability to antice the stability of stability to antice the stability to antice the stability to antice the stability to	S6.8.6	 Measure to Minimize Groundwater Inflow The drained tunnel construction method with groundwater inflow control measures would generally be adopted. 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 	Minimize groundwater inflow	Contractor	Tunnel	Construction Phase	N/A
Se.8.9Opeployment of silt curtains around the active stone column installation points, opening of newly installed seawall and marine works area. • Diverting of the site runoff to silt trap facilities before discharging into storm drain; • Proper waste and dumping management; and • Standard good-site practice for land-based construction.Control water quality impact, especially on suspended solid level; minimize the contamination of wastewater discharge, accidental chemical spillage and construction site runoff to the receiving water bodiesDesign Team, contractorMarine and landbased works areaConstruction phaseWQOS6.8.11Compensation for Vegetation Loss • 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 practiceable. Such compensatory plantingCompensate for the vegetation lossDesign Team, contractorLand-based works areaConstruction phaseN/A	S6.8.8	 Measure to Minimize Impact on Corals <u>Coral translocation</u> 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. 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). 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. 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 is/are approved by AFCD prior to commencement of coral translocation. Post translocation Monitoring A coral monitoring programme is recommended to assess any adverse and unacceptable impacts to the translocated coral communities 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	Minimize loss of coral	0 , ,		Prior construction	N/A
 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 compensate for the vegetation loss Compensate for the vegetation loss Design Team, contractor Land-based works area Construction phase N/A 		 Deployment of silt curtains around the active stone column installation points, opening of newly installed seawall and marine works area. Diverting of the site runoff to silt trap facilities before discharging into storm drain; Proper waste and dumping management; and 	suspended solid level; minimize the contamination of wastewater discharge, accidental chemical spillage and construction site runoff to the	Design Team, contractor		Construction phase	WQO
affected area should be reinstated with species similar to the existing condition.	S6.8.11	 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 	Compensate for the vegetation loss	Design Team, contractor	Land-based works area	Construction phase	N/A

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\$7.7.3	Measure to Control Water Quality Impact Deployment of silt curtains around the active stone column installation points, opening of newly installed seawall and marine works area.	Control water quality impact, especially on suspended solid level	Design Team / Contractor	Marine work area	Construction phase	WQO
Waste Management	(Construction Phase)				1	1
S8.6.3	 Good Site Practices and Waste Reduction Measures 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; Training of site personnel in site cleanliness, proper waste management and chemical 	To reduce visite representationests	Contractor	All work sites	Construction Phase	Waste Disposal Ordinance (Cap. 354)
56.0.3	 handling procedures; Provision of sufficient waste disposal points and regular collection of waste; Appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors. 	To reduce waste management impacts	Contractor	All WORK Siles	Construction Phase	Land (Miscellaneous Provisions) Ordinance (Cap. 28)
	 Good Site Practices and Waste Reduction Measures (con't) 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; Encourage collection of aluminium cans by providing separate labelled bins to enable this 					Waste Disposal Ordinance (Cap. 354)
S8.6.4	 waste to be segregated from other general refuse generated by the workforce; Proper storage and site practices to minimize the potential for damage or contamination of construction materials; and Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste. 	To achieve waste reduction	Contractor	All work sites	Construction Phase	Land (Miscellaneous Provisions) Ordinance (Cap. 28)
S8.6.5	Good Site Practices and Waste Reduction Measures (con't) The Contractor shall prepare and implement a WMP as part of the EMP in accordance with ETWB TCW No. 19/2005 which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from the construction activities. Such a management plan should incorporate site specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval. The Contractor should implement the waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor.	To achieve waste reduction	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005
S8.6.6	 Good Site Practices and Waste Reduction Measures (con't) C&D materials would be reused in the project and other local concurrent projects as far as possible. 	To achieve waste reduction	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005
S8.6.7	 Storage, Collection and Transportation of Waste Should any temporary storage or stockpiling of waste is required, recommendations to minimize the impacts include: Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimizing the potential of pollution; Maintain and clean storage areas routinely; Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; and Different locations should be designated to stockpile each material to enhance reuse. 	To minimize potential adverse environmental impacts arising from waste storage	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005

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S8.6.8/ Waste Management Plan	 Remove waste in timely manner; Waste collectors should only collect wastes prescribed by their permits; Impacts during transportation, such as dust and odour, should be mitigated by the use of covered trucks or in enclosed containers; 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); Waste should be disposed of at licensed waste disposal facilities/ alternative disposal ground approved by RE and DEP; and Maintain records of quantities of waste generated, recycled and disposed. 	To minimize potential adverse environmental impacts arising from waste collection and disposal	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005
S8.6.9/ Waste Management Plan	 Storage, Collection and Transportation of Waste (con't) Implementation of trip ticket system with reference to DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials, to monitor disposal of waste and to control fly-tipping at PFRFs or landfills. A recording system for the amount of waste generated, recycled and disposed (including disposal sites) should be proposed. 	To minimize potential adverse environmental impacts arising from waste collection and disposal	Contractor	All work sites	Construction Phase	DEVB TCW No. 6/2010
S8.6.11 - S8.6.13/ Waste Management Plan	 Sorting of C&D Materials Sorting to be performed to recover the inert materials, reusable and recyclable materials before disposal off-site. Specific areas shall be provided by the Contractors for sorting and to provide temporary storage areas for the sorted materials. 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 	To minimize potential adverse environmental	Contractor	All work sites	Construction Phase	DEVB TCW No. 6/2010 ETWB TCW No. 33/2002 ETWB TCW No. 19/2005
S8.6.17 – S8.6.20	 Sediments (con't) 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. 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). 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. Loading of the sediment to the barge should be controlled to avoid splashing and overflowing of the sediment 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. 	To determine the best handling and treatment of sediment	Contractor	All works areas with sediments concern	Construction Phase	ETWB TCW No. 19/2005
	 Sediments (con't) 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. 					

S8.6.24 - S8.6.26 Wate Mangement Plan • Stockpling of contaminated endments wholl be excided to at ap souther. If trapeware stockpling of contaminated solutions in exercising wate books: The second be completely increased be completely provide the placed within each bundle or and bags to preveal leader from endments prevand accounting water books: The stockpling areas should be completely provide or evencely by linking in order to avoid endmaintain to includying and contamined and leader platform double and books. The second and the completely contamined and accounting water books: The second and the completely order of an exclude the platform of the incrustration of the adiment, the leader and contaminated and incrust transportation of the adiment, the leader and accounting water books in the second and the property second water books and the property control whole blaced on harges. Leading of the encounted heading of sectimations of the second second water books and the property with tight filter goals to percent allow of platform and over oblannes. • The burget transporting the second end the second and the property control whole plated on hard word and encounted heading of factors and second second second second second second second second second to stanutory requirements. • The burget transporting the second end the complete the advocation areas were the of maintain to the second end the property contained and the property with tight filter goals to percent books and the property accounted with the percent words and at the desposal as the contained second and the property contained and sectimates. Advocative water and the property accounted water that the property the books and the second accountes with sectimates. Advocative water and water the contained water the desposal and the property accountes water and water. Advocative water and water the endermain water accountes water sections as a the desposal as the corocounte platform and desposal of the endermain theas	IA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & 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?
S8.6.26/ Waste Management PlanIf 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, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall use a licensed collector to transport and dispose 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 waste, such as explosive. General refuse Should be used (General) Regulation.To ensure proper management of chemical wasteContractorAll works sitesS8.6.27/ Waste Management PlanGeneral Refuse • General refuse should be stored in enclosed bins or compaction units separate from C&D material. A reputable waste collector should be employed by the contractor to remove general refuse to the one ployed by the contractor to remove general refuse to ensure proper management of general refuseContractorAll works sites		 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). 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 to the surrounding water. 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. 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. 	to statutory requirements	Contractor		Construction Phase	ETWB TC(W) No. 34/2002 & Dumping a Sea Ordinance
30.0.2// wase material. A reputable waste collector should be employed by the contractor to remove general To ensure proper management of general refuse Contractor All works sites		 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 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. 	To ensure proper management of chemical waste	Contractor	All works sites	Construction Phase	Code of Practice on the Packaging, Labelling and Storage of Chemical Waste Waste Disposal (Chemical Waste) (Genera Regulation
refuse from the site, separately from C&D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	S8.6.27/ Waste Management Plan	material. A reputable waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D material. Preferably an enclosed and covered area	To ensure proper management of general refuse	Contractor	All works sites	Construction Phase	Public Health and Municipal Services Ordinance (Cap. 132)

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S9.6.4	 Temporarily fenced off buffer zone with allowance for public access (minimum 1 m) should be provided; The open yard in front of the temple should be kept as usual for annual Tin Hau festival; Monitoring of vibration impacts should be conducted when the construction works are less than 100m from the temple. 	To prevent dust and visual impacts	Contractors	Work areas	Construction Phase	EIAO; GCHIA; AMO
S9.6.4	Indirect vibration impact • Vibration level is suggest to be controlled within a peak particle velocity (ppv) limit of 5mm/s measured inside the historical buildings; • Monitoring of vibration should be carried out during construction phase. • Tilting and settlement monitoring should will be applied on the Cha Kwo Ling Tin Hau Temple as well. • 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.	To prevent indirect vibration impact	Contractors	Work areas	Construction Phase	Vibration Limits on Heritage Buildings by CEDD; GCHIA; AMO.
Built Heritage Mitigation Plan	 Established Alert, Alarm and Action Level for the monitoring parameters. To increase the instrumentation monitoring and reporting frequency. To propose detailed action plan or contingency plan for the Engineer's approval when AAA Level is reached or exceeded. 	To prevent vibration impacts	NE/2015/01	Tin Hau Temple	Construction Phase	Vibration Limits on Heritage Buildings by CEDD; GCHIA; AMO.
Landscape and Visua	l Impact (Construction Phase)					
Table 10.8.1/ Landscape 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 and during construction period	N/A
Table 10.8.1/ Landscape 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 Mitigation Plan	CM3 - Topsoil, where the soil material meets acceptable criteria and where practical, to be stripped and stored for re-use in the construction of the soft landscape works. The Contract 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 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 Removal Application(s)	Site clearance and throughout construction period	ETWB TC 3/2006 and as per tree protection measures in Particular Specification
Table 10.8.1/ Landscape Mitigation Plan	CM5 - Trees unavoidably affected by the works shall be transplanted where practicable. Where possible, trees should be transplanted direct to permanent locations rather than temporary holding nurseries. A detailed tree transplanting specification shall be provided in the Contract Specification and sufficient time for preparation shall be allowed in the construction programme.	To maximize preservation of existing trees	CEDD (via Contractor)	As per approved Tree Removal Application(s)	Site clearance	ETWB TC 3/2006 and as per tree protection measures in Particular Specification
Table 10.8.1/ Landscape 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 and edge of Road P2 landscape deck, TKO	Beginning of construction period	N/A
Table 10.8.1/ Landscape 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 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 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 Mitigation Plan	CM10 - Avoidance of excessive height and bulk of site buildings and structure	Reduction of visual intrusion and integration with environment	CEDD (via Contractor)	Built structures	Design and construction stage	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM11 - Limitation of run-off into freshwater streams, ponds and sea areas	Avoidance of contamination of water courses and water bodie	CEDD (via Contractor)	TKO reclamation, TKO tunnel portal, Cha Kwo Ling roadworks	Throughout construction period	N/A

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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 existing coastlin	CEDD (via Contractor)	Temporary reclamation for barging points at TKO and Lam Tin and permanent reclamation for TKO Interchange slip roads and Road P2	Construction planning and reclamation stages	N/A
Landfill Gas Hazard	(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: Methane 0-100% LEL and 0100% v/v Carbon dioxide 0-100% Oxygen 0-21%	Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note
	Safety Measures					, ,
	 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. An excavation procedure or code of practice to minimize landfill gas related risk should be devised and carried out. 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. 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 posted prominently on the construction site and, if necessary, special areas should be designed for smoking. Welding, flame-cutting or other hot works should be confined to open areas at least 15m from any trench or excavation. 					
	 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). 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.					
\$11.5.10 \$11.5.25	 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. 	Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note Labour Department's Code of Practice for Safety and Health at Work in Confined Space
	 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 immediately after installation. As construction progresses, 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. 					

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & 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?
	 During construction, adequate fire extinguishing equipment, fire-resistant clothing and breathing apparatus (BA) sets should be made available on site. Fire drills should be organized at not less than six monthly intervals. The contractor should formulate a health and safety policy, standards and instructions for site personnel to follow. 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. 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 postential 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). Periodically during ground-works construction within the 250m Consultation Zone, the works area should be as edetection 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. 					
S11.5.26 - S11.5.31	 Monitoring 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. For excavations deeper than 1m, measurements should be carried out: at the ground surface before excavation commences;- immediately before any worker enters the excavation; at the beginning of each working day for the entire period the excavation remains open; and periodically throughout the working day whilst workers are in the excavation. For excavations between 300mm and 1m deep, measurements should be carried out: directly after the excavation remains open. For excavations less than 300mm deep, monitoring may be omitted, at the discretion of the Safety Officer or other appropriately qualified person. 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. 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 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 strem. 	Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note
	Automated infinitoring system. 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 Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note

Table II - Observation / Reminder / Non-compliance made during Site Audit (August 2020)

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	Recommended Mitigation Measures	Details of Reminder/Observation	Recorded Date	Status					
Air Quality									
	-								
Construction N	Construction Noise Impact								
	-								
Water Quality	Impact								
Ecological Imp	pact								
Fisheries Impa	ct								
	-								
Waste Manage	ement								
Landscape and	l Visual Impact	-							
Landfill Gas H	lazards								

Table II - Observation / Reminder / Non-compliance made during Site Audit (September 2020)

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	Recommended Mitigation Measures	Details of Reminder/Observation	Recorded Date	Status					
Air Quality									
Construction N	Construction Noise Impact								
Water Quality	Impact								
Ecological Imp	act								
Fisheries Impa	ct								
Waste Manage	ment								
Landscape and	l Visual Impact								
Landfill Gas H	azards								

Table II - Observation / Reminder / Non-compliance made during Site Audit (October 2020)

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	Recommended Mitigation Measures	Details of Reminder/Observation	Recorded Date	Status
Air Quality				
Construction N	Noise Impact			
Water Quality	Impact			
Ecological Imp	pact			
	-			
Fisheries Impa	ct			
Waste Manage	ement			
\$5.8.22		Contractor was reminded the chemical/ fuel storage area should be provided with lock.	22-Oct-20	~
	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:	Storage area of the chemical waste should be labelled.	22-Oct-20	✓
Landscape and	l Visual Impact			
Landfill Gas H	azards			

APPENDIX H WASTE GENERATED QUANTITY



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

Name of Department: CEDD

Monthly Summary Waste Flow Table for 2020 (CKL)

	Actua	al Quantities	of Inert C&D	Materials G	enerated Mo	nthly	Actual 0	Quantities of	C&D Wastes	s Generated	Monthly
Month	a.Total Quantity Generated (a=b+c+d+e)	b. Hard Rock and Large Broken Concrete	c. Reused in the Contract	d. Reused in Other Projects	e. Disposed as Public Fill	f. Imported Fill	g. Metals	h. Paper / Cardboard Packaging		j. Chemical Waste	k. Others, e.g. general refuse
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
January											
February											
March											
April											
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009
June	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.005
Sub-total	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.014
July	0.024	0.000	0.000	0.000	0.024	0.000	0.000	0.000	0.000	0.000	0.002
August	0.050	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.600	0.003
September	0.042	0.000	0.000	0.000	0.042	0.000	0.000	0.000	0.000	1.400	0.010
October	0.029	0.000	0.000	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.010
November											
December											
Total	0.146	0.000	0.000	0.000	0.146	0.000	0.000	0.000	0.000	2.000	0.040

Total C&D waste generated = a+b+f+g+h+i+j+k

Total C&D waste generated (excluded excavated material) = g+h+i+j+k

Total C&D waste recycled = c+d+g+h+i

Monthly Summary Waste Flow Table

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: August 2020 - October 2020

- (A) Exceedance Report for Air Quality (NIL in the reporting quarter)
- (B) Exceedance Report for Construction Noise (NIL in the reporting quarter)
- (C) Exceedance Report for Landfill Gas (NIL in the reporting quarter)

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: August 2020 - October 2020

Log Ref.	Location	Received Date	Details of Complaint/warning/summon and prosecution	Investigation/Mitigation Action	Status
#N02	Portion T1	10-Oct- 2020	Resident of Yau Lai Estate complained that i) an excavator operated before 7 am on 9 and 10 October 2020; and, ii) the height of noise barriers are not sufficient for noise reduction.	 Contractor was recommended to scheduled noisy works to less sensitive hours (e.g. normal weekdays between 08:00-19:00) to minimize noise nuisance. Since the complaint location stated in part II is situated out of the project boundary and within the other construction site, no investigation shall be conducted for non-project related complaint. 	Closed

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

APPENDIX K EVENT AND ACTION PLAN

Event and Action Plan for Air Quality (Dust)

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

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

				ACT	ION	I		
EVENT		ET		IEC	ER		CO	ONTRACTOR
	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				ACTION										
		ET		IEC		ER		CONTRACTOR						
Action Level	1. Notify IEC and Contractor; 1		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%					
Owwar		• 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					
		• Increase ventilation to restore carbon dioxide to <0.5%					

APPENDIX L CONSTRUCTION PROGRAMME

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2020 2021
							March April May June July August September October November December January February March 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 03 10 17 24 31 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 <td< td=""></td<>
ED/2018/04 TRUNK ROAD T2	424	02-Jan-20	09-Jun-21	529	31-Dec-19 A	15-Oct-21	
DESIGN SUBMISSION & APPROVAL	403	02-Jan-20	14-May-21	529	31-Dec-19 A	15-Oct-21	
GENERAL	402	02-Jan-20	13-May-21		02-Jan-20 A	15-Oct-21	
Project Design Plan	26	18-Mar-20	21-Apr-20	33	10-Mar-20 A	21-Apr-20 A	▼ Project Design Plan
Project Design Plan - 2nd Review	35	18-Mar-20	21-Apr-20 21-Apr-20	43	10-Mar-20 A	21-Apr-20 A	Project Design Plan - 2nd Review
Project Design Plan - Approval	0	10-11/101-20	21-Apr-20 21-Apr-20	43	10-1011-20 A	21-Apr-20 A 21-Apr-20 A	Project Design Frait 2 Int Kevew
Design Memorandum	36	17-Jan-20	02-Mar-20	195	16-Jan-20 A	11-Sep-20	▼ Design Memorandum
Design Memorandum - 2nd Sub	12	17-Jan-20	03-Feb-20	143	16-Jan-20 A	13-Jul-20 A	Design Memora'ndum - 2nd Sub
Design Memorandum - Final Review	28	04-Feb-20	02-Mar-20	60	14-Jul-20 A	11-Sep-20	posgri renstatiadin , d. oup
Design Memorandum - Approval	0	0410020	02-Mar-20	0	IF JUI 20 A	11-Sep-20	Design Memorandum' - Approval
Ground Investigation Report - Kai Tak Area	237	02-Jan-20	19-Oct-20	343	02-Jan-20 A	27-Feb-21	▼ Ground Investigation Report - Kai Tak Area
Ground Investigation - Mobilization	24	02-Jan-20	01-Feb-20	24	02-Jan-20 A	01-Feb-20 A	tigation: - Mobilization
Ground Investigation - South Apron Area	72	03-Feb-20	02-May-20	178	03-Feb-20 A	05-Sep-20	Ground Investigation: - South Apron Area
Ground Investigation Report Vol 1 - Prepare & submit 1st draft	48	04-May-20	29-Jun-20	48	07-Sep-20	04-Nov-20	Ground Investigation Report Vol 1:- Prepare & submit 1st draft
Ground Investigation Report Vol 1 - 1st Sub	0		29-Jun-20	0		04-Nov-20	♦ Gróund Investigatión Repórt Vol 1- 1st Sub
Ground Investigation Report Vol 1 - Review	28	30-Jun-20	27-Jul-20	28	05-Nov-20	02-Dec-20	Ground Investigation Report Vol 1- Review
Ground Investigation Report Vol 1 - Resubmission	48	28-Jul-20	21-Sep-20	48	03-Dec-20	30-Jan-21	Ground Investigation: Report V
Ground Investigation Report Vol 1 - 2nd Sub	0		21-Sep-20	0		30-Jan-21	Ground Investigation; Report V
Ground Investigation Report Vol 1 - 2nd Sub Review	28	22-Sep-20	19-Oct-20	28	31-Jan-21	27-Feb-21	Ground Investig
Ground Investigation Report Vol 1 - Approval	0		19-Oct-20	0		27-Feb-21	🔶 🔶 Ground Investig
Ground Investigation Report - Tunnel	143	28-Apr-20	17-Oct-20	166	28-Apr-20 A	14-Nov-20	Ground Investigation Report - Tunnel
Ground Investigation - Marine GI	85	28-Apr-20	08-Aug-20	109	28-Apr-20 A	05-Sep-20	Ground Investigation: - Marine GI
Ground Investigation Report Vol 2 - Prepare & submit 1st draft	12	10-Aug-20	22-Aug-20	12	07-Sep-20	19-Sep-20	Ground Investigation Report; Vol.2 - Prepare & submit 1st draft
Ground Investigation Report Vol 2 - 1st Sub	0		22-Aug-20	0		19-Sep-20	♦ Ground Investigation Report Vol 2 - 1 Ist Sub;
Ground Investigation Report Vol 2 - Review 1st Sub	28	23-Aug-20	19-Sep-20	28	20-Sep-20	17-Oct-20	Ground Investigation, Report Vol.2 - Review 1st Sub
Ground Investigation Report Vol 2 - 2nd Sub	0		19-Sep-20	0		17-Oct-20	♦ Ground Investigation Report Vol 2 - 2nd Sub
Ground Investigation Report Vol 2 - Review 2nd Sub	28	20-Sep-20	17-Oct-20	28	18-Oct-20	14-Nov-20	Ground Investigation Report Vol/2 - Review 2nd Sub
Ground Investigation Report Vol 2 - Approval	0		17-Oct-20	0		14-Nov-20	◆ Ground Investigation; Report :Vol:2 - Approval
Construction Traffic Impact Assessment - Kai Tak Area	162	16-Jan-20	04-Aug-20	182	24-Feb-20 A	03-Oct-20	Construction Traffic Impact Assessment - Kai Tak;Area
CTIA Kai Tak Area - Prepare & submit 1st draft	90	16-Jan-20	09-May-20	90	24-Feb-20 A	13-Jun-20 A	CTIA Kai Tak Area - Prepare & submit 1st draft
CTIA Kai Tak Area - 1st Sub	0	10.14 00	09-May-20	0	11	13-Jun-20 A	CTIA/Kai/Tak Area - 1st Sub
CTIA Kai Tak Area - Review	28	10-May-20	06-Jun-20	1/	14-Jun-20 A	30-Jun-20 A	CTIA Kai Tak Airea - Réview
CTIA Kai Tak Area - Resubmission CTIA Kai Tak Area - 2nd Sub	24 0	08-Jun-20	07-Jul-20 07-Jul-20	57 0	02-Jul-20 A	05-Sep-20	CTIA:Kai:Tak Area - IndiSub
CTIA Kai Tak Area - Approval	28	08-Jul-20	07-5u1-20 04-Aug-20	28	06-Sep-20	05-Sep-20 03-Oct-20	CTIA;Kai;Tak Area - Approval
CTIA Kai Tak Area - Approval	0	00-Jui-20	04-Aug-20	0	00-3ep-20	03-Oct-20	♦ CTIA:Raintaintaintaintaintaintaintaintaintaint
Construction Traffic Impact Assessment - Lam Tin Area	86	16-Mar-20	02-Jul-20	134	16-Mar-20 A	27-Aug-20 A	Construction Traffic Impact Assessment - Lam Tin Area
CTIA Lam Tin Area - Prepare & submit 1st draft	30	16-Mar-20	23-Apr-20	30	16-Mar-20 A	23-Apr-20 A	CITIA L'am'Tin Area - Prepare & submit 1st draft
CTIA Lam Tin Area - 1st Sub	0		23-Apr-20	0		23-Apr-20 A	♦ C TIA L'am/Tin Area - 1st Sub
CTIA Lam Tin Area - Review	28	24-Apr-20	21-May-20	28	24-Apr-20 A	21-May-20 A	CTIA Lam:Tin Area - Review
CTIA Lam Tin Area - Resubmission	12	22-May-20	04-Jun-20	38	22-May-20 A	07-Jul-20 A	CTIA Lam Tin Area - Resubmission
CTIA Lam Tin Area - 2nd Sub	0	<u> </u>	04-Jun-20	0	 ,	07-Jul-20 A	♦ CTIA Lam Tin Area - 2hd Sub
CTIA Lam Tin Area - Approval	28	05-Jun-20	02-Jul-20	51	08-Jul-20 A	27-Aug-20 A	CTIA Lam Tin Area - Approval
CTIA Lam Tin Area - Approval	0		02-Jul-20	0		27-Aug-20 A	CTIA Lam Tin Area - Approval
Durability As sessment Report	71	11-Mar-20	09-Jun-20	140	17-Mar-20 A	05-Sep-20	▼ Durability Assessmient Report
Durability Assessment Report - 1st Sub	0		11-Mar-20	0		17-Mar-20 A	♦ ♦ Durability Assessment Report + 1st Sub
Durability Assessment Report - Review	28	12-Mar-20	08-Apr-20	35	18-Mar-20 A	21-Apr-20 A	Durpbility Assessment Report - Review
Durability Assessment Report - Resubmission	24	09-Apr-20	12-May-20	25	22-Apr-20 A	22-May-20 A	Durability Assessment Report - Resubmission
Durability Assessment Report - 2nd Sub	0		12-May-20	0		22-May-20 A	♦ Durability Assessment Report - 2nd Şub
Durability Assessment Report - Approval	28	13-May-20	09-Jun-20	106	23-May-20 A	05-Sep-20	Durability Assessment Report - Approval
Durability Assessment Report - Approval	0		09-Jun-20	0		05-Sep-20	♦ Durability Assessment Report - Approval
ACABAS - Western Tunnel Portal and Concrete Finishes for	170	13-Mar-20	08-Oct-20	154	31-Aug-20	08-Mar-21	▼ ACABAS - Western Tunnel Portal and Concrete Finishes for Retaining Structure
Page 1 of 30 Milestone	Summary						Date Revision Checked Approved
Data Date: 30-Aug-20			FD/2	019	R/ΩΔ Τ	runk R	Road T2 and Infrastructure Works
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Page 2 of 30 Data Date: 30-Aug-20 Milestone
 Planned Bar

Summary

Actual Milestone

Baseline Milestone
 Baseline Bar

iticalActivity

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

BOUYGUES TRAVAUX PUBLICS

Three Months Rolling Programme



Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
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Page 3 of 30 Data Date: 30-Aug-20 Milestone
 Summary
 Planned Bar

Date: 30-Aug-20

Actual Milestone

Baseline Milestone
Baseline Bar

iticalActivity

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

BOUYGUES TRAVAUX PUBLIC

Three Months Rolling Programme

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Page 4 of 30 Data Date: 30-Aug-20 estone

Actual Milestone
 Actual Work

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Baseline Milestone
 Baseline Bar

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

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DDA - 2nd Sub	0		03-Jun-20	0		30-Jul-20 A			· · · · · · ·	. ♦			DA - 2nd		 										
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DDA - Draft - Preparation by Designer	48	07-Feb-20	02-Apr-20	66	07-Feb-20 A	28-Apr-20 A	<u>.</u>		DDA - Draft - I	Preparation by			<u>.</u>		ļ										
DDA - Draft - Final Review and prepare for 1st Sub	18	03-Apr-20	28-Apr-20	34	· ·	09-Jun-20 A		+		DDA -	- Draf	- Final Review and			4 + -										
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DDA - SO Consent for Construction	0		28-Jul-20	0		26-Aug-20 A	<u></u>	<u>+</u>	· · · · · · · · · · · · · · · · · · ·				<u></u>	◆ DDA -	SO Cons	ent for Const	ruction	. <u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>		
DEPRESSED ROAD [DPR]	327	13-Jan-20	19-Feb-21	353	04-Feb-20 A	14-Apr-21							1 1 1						1					▼ DEPRE	ESSED ROA
Page 5 of 30	Summarv																		Date		Revis	ion	Checked		proved

Page 5 of 30 Data Date: 30-Aug-20 /liestone V Summary Planned Bar

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

BOUYGUES

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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2020 2021
		0102 Start	01021111311	Du	Stat	THIST	March April May June July August September October November December January February March
AIP DPR - ELS & PCRA	31	20-Jan-20	27-Feb-20	23	04-Feb-20 A	20 Eab 20 A	01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 02 09 16 23 30 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 03 10 17 24 31 07 14 21 28 07 14 21 28 07 14 21 8 AlP DPR - ELS & PCRA
AIP - Update & prepare for 2nd Sub	7	20-Jan-20	30-Jan-20	19	04-Feb-20 A		AIP - Update & prepare for 2nd Sub
AIP - Opdate & prepare for 2nd Sub	0	20-JdII-20	30-Jan-20	0	04-rep-20 A		AIP - 2nd Sub
AIP - 2nd Sub AIP - 2nd Review by SO	28	31-Jan-20	27-Feb-20	4	24 Eab 20 A	29-Feb-20 A	
AIP - 210 Review by SO AIP - SO Consent for DDA Submission	0	31-JdII-20	27-Feb-20 27-Feb-20	4	20-Feb-20 A		AIP -/SO/Corisent for DDA Submission
AIP - SO CONSENTION DDA Submission AIP DPR - Permanent Structure	87	13-Jan-20	04-May-20		11-Feb-20 A	29-reb-20 A 17-Jul-20 A	
							raft Final Review and prepare for 1st:Sub
AIP - Draft - Final Review and prepare for 1st Sub	24	13-Jan-20	12-Feb-20	2	11-Feb-20 A		
AIP - 1st Sub	0	13-Feb-20	12-Feb-20	0	12 Eab 20 A	12-Feb-20 A	AIP - Review by SD
AIP - Review by SO AIP - Review by GEO via SO	28		11-Mar-20 11-Mar-20	9			AIP - Review by SO
AIP - Review by GEO via SO AIP - Review by IP / DC	28	13-Feb-20 13-Feb-20		9 76			
AIP - Review by IP / DC AIP - Prepare for 2nd Sub	28		11-Mar-20	48	13-Feb-20 A	2011012011	All - Review By IF / DC
AIP - Prepare for 2nd Sub AIP - 2nd Sub	24	12-Mar-20	04-Apr-20 06-Apr-20	48	22-Feb-20 A	09-Apr-20 A 09-Apr-20 A	
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AIP - 210 Review by SO AIP - SO Consent for DDA Submission	20	00-Api -20	03-101ay-20 04-May-20	99 0	10-Api-20 A	17-Jul-20 A 17-Jul-20 A	AIP - ISO Consent for DDA Submission
DDA DPR - ELS Design (Sheet Pile)	82	23-Jan-20	04-101ay-20 07-May-20	38	04-Mar-20 A	17-Jui-20 A 21-Apr-20 A	→ DDA DPR'- ELS Design (She'et Pile)
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DDA - Draft - Final Review and prepare for 1st Sub DDA - 1st Sub	16	23-Jan-20	13-Feb-20 27-Feb-20	8	04-IVIAI-20 A	12-Mar-20 A	◆ DDA - 1/at - Final Review and piepate for ist Sub
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DDA - Review by IP / DC	28	28-Feb-20	26-Mar-20	13	13-Mar-20 A	25-Mar-20 A	
DDA - Further information required by SO DDA - 2nd Sub	6	27-Mar-20	02-Apr-20 02-Apr-20	12	26-Mar-20 A	•	
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DDA - 2nd Review by SO	35	03-Apr-20	07-May-20	12	10-Apr-20 A	•	
DDA - SO Consent for Construction	0 81	10-Feb-20	07-May-20	0	17-Mar-20 A	21-Apr-20 A	✓ DDA - SO Construction ✓ DDA DPR - ELS Design (Deep section + Perm. + Foundation)
DDA DPR - ELS Design (Deep section + Perm. + Foundation	0.		20-May-20	68		10-Jun-20 A	
DDA - Draft - Final Review and prepare for 1st Sub DDA - 1st Sub	24	10-Feb-20	07-Mar-20	13	17-Mar-20 A	31-Mar-20 A	
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DDA - 2nd Review by SO	35	16-Apr-20	20-May-20	22	20-May-20 A	10-Jun-20 A	DDA - 2nd Review:by SO
DDA - SO Consent for Construction	0	10-Api-20	20-May-20 20-May-20	0	20-11/18 y-20 A	10-Jun-20 A	♦ DDA - S0 Consent for Construction
DDA - 30 consent to construction DDA DPR - Horizontal Element + Pump Test + DCRA	125	28-Feb-20	31-Jul-20		28-Feb-20 A	29-Oct-20	DDA DPR - Horizontal Element + Pump Test + DCRA
DDA - Draft - Preparation by Designer	36	28-Feb-20	14-Apr-20	170	28-Feb-20 A	02-Jul-20 A	DDA - Draft - Pregaration by Designer
DDA - Draft - Final Review and prepare for 1st Sub	18	15-Apr-20	07-May-20	100	03-Jul-20 A	16-Jul-20 A	DDA - Draft - Final Review and prepareifor 1st Sub
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DDA - 2nd Review by SO	35	27-Jun-20	31-Jul-20	35	24-Sep-20	23-36p-20 28-Oct-20	DDA - 2nd Review by SO
DDA - SO Consent for Construction	0	31-Jul-20	31-Jul-20	0	24-3ep-20 29-Oct-20	29-Oct-20	◆ DDA - SO Consent for Construction
Technical Note - King Post	127	13-Feb-20	18-Jul-20	29	01-Jun-20 A	06-Jul-20 A	✓ DDA - SO Content for Construction
DDA - Draft - Preparation by Designer	37	13-Feb-20	26-Mar-20	11	01-Jun-20 A	12-Jun-20 A	DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	18	27-Mar-20	20-1011-20 21-Apr-20	5	13-Jun-20 A	12-Juli-20 A 18-Jun-20 A	DDA - Draft - Fina) Review and prepare for 1st Sub
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DDA - TSI Sub DDA - Further information required by SO	12	01-Jun-20	13-Jun-20	0	18-Jun-20 A	18-Jun-20 A	DDA - Ist Sub
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Summary Planned Bar

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

BOUYGUES

	Date	Revision	Checked	Approved
	05-Nov-19	00V0	WYu	
	18-Dec-19	00V1	WYu	
S)	22-Feb-20	01V0	SPa/LLo	WYu
	09-Apr-20	01V1	SPa/LLo	WYu
	17-Jul-20	01V2	SPa/LLo	WYu
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Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2020 2021
							March April May June July August September October November December January February March
DDA - SO Consent for Construction	0		18-Jul-20	0		18-Jun-20 A	01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 02 09 16 23 30 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 03 10 17 24 31 07 14 21 28 07 14 21 28 07 14 21 8
DDA - Review by IP / DC	28	04-May-20	31-May-20	0	18-Jun-20 A	18-Jun-20 A	I DDA - Reviewby IP //DC
DDA - Review by SO	20	04-May-20	31-May-20	18	19-Jun-20 A	06-Jul-20 A	DDA - Review by SO
DDA DPR - Permanent Structure	111	21-May-20	29-Sep-20	104	21-Jul-20 A	21-Nov-20	V DDA DPR - Permahent Structure
DDA - Draft - Preparation by Designer	24	21-May-20	17-Jun-20	23	21-Jul-20 A	17-Aug-20 A	DDA Draft - Prepatation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	24	18-Jun-20	14-Jul-20	17	18-Aug-20 A	05-Sep-20	DDA + Draft Final Review and prepare for 1st Sub
DDA - 1st Sub	0	10 5011 20	14-Jul-20	0	10 Aug 20 A	05-Sep-20	◆ DDA - 1st Sub
DDA - Review by SO	28	15-Jul-20	11-Aug-20	28	06-Sep-20	03-Oct-20	DDA Review by SO
DDA - Review by IP / DC	28	15-Jul-20	11-Aug-20	28	06-Sep-20	03-Oct-20	DDA Review by IP / DC
DDA - Further information required by SO	12	12-Aug-20	25-Aug-20	12	05-Oct-20	17-Oct-20	DDA - Further information required by \$O
DDA - 2nd Sub	0	12-Aug-20	25-Aug-20	0	03-001-20	17-Oct-20	◆ DDA 2nd Sub
DDA - 2nd Review by SO	35	26-Aug-20	29-Sep-20	35	18-Oct-20	21-Nov-20	DDA 2 nd Review by SQ
DDA - SO Consent for Construction	0	20-Aug-20	29-Sep-20	0	10-001-20	21-Nov-20	◆ DDA - SQ Consent for Construction
DDA - So consent for constitution	114	30-Sep-20	19-Feb-21	113	23-Nov-20	14-Apr-21	v → DDA 50 constitution
DDA DrR - Portal Structure DDA - Draft - Preparation by Designer	30	30-Sep-20	06-Nov-20	30	23-Nov-20	29-Dec-20	DDA - Draft - Preparation by Designer
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DDA - Draft - Final Review and prepare for 1st Sub DDA - 1st Sub	24	07-Nov-20	04-Dec-20	24 0	JU-Dec-20		DDA - DTari - Frindi Review and i
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DDA - Review by IP / DC	28	05-Dec-20	01-Jan-21	28	28-Jan-21	24-Feb-21	
DDA - Further information required by SO DDA - 2nd Sub	12 0	02-Jan-21	15-Jan-21	12 0	25-Feb-21	10-Mar-21	DDA - Fu ♦ DDA - 2r
		1/ 100 01	15-Jan-21		11 May 01	10-Mar-21	
DDA - 2nd Review by SO	35	16-Jan-21	19-Feb-21	35	11-Mar-21	14-Apr-21	
DDA - SO Consent for Construction	0	10 14 - 00	19-Feb-21	0	17 5 4 00 4	14-Apr-21	
WEST VENTILATION BUILDING [WVB]	331	12-Mar-20	26-Apr-21	352	17-Feb-20 A	26-Apr-21	
AIP WVB - ELS Design & PCRA	82	23-Mar-20	04-Jul-20		29-Jun-20 A	28-Aug-20 A	v AlP WVB - ELS Design & PCRA
AIP - Draft - Preparation by Designer	36	23-Mar-20	09-May-20	19	29-Jun-20 A	21-Jul-20 A	AIP - Draft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub	24	11-May-20	06-Jun-20	1	21-Jul-20 A	21-Jul-20 A	I AIP- Draft - Final Review and prepare for 1st Sub
AIP - 1st Sub	0		06-Jun-20	0		21-Jul-20 A	♦ AIP- 1st Sub
AIP - Review by SO	28	07-Jun-20	04-Jul-20	34		24-Aug-20 A	
AIP - Review by GEO via SO	28	07-Jun-20	04-Jul-20	34		24-Aug-20 A	AIP + Review by GEO via SO
AIP - Review by IP / DC	28	07-Jun-20	04-Jul-20	38	22-Jul-20 A	-	
AIP - SO Consent for DDA Submission	0		04-Jul-20	0		24-Aug-20 A	♦ A P - SO Consent for DDA Submission
AIP WVB - Permanent Structure	99	12-Mar-20	14-Jul-20			24-Aug-20 A	
AIP - Draft - Final Review and prepare for 1st Sub	24	12-Mar-20	09-Apr-20	22	17-Feb-20 A	12-Mar-20 A	AIP - Draft - Final Review and prepare for 1st Sub
AIP - 1st Sub	0		09-Apr-20	0		12-Mar-20 A	♦ AIP - 1st Sub
AIP - Review by SO	28	10-Apr-20	07-May-20	15		27-Mar-20 A	
AIP - Review by IP / DC	28	10-Apr-20	07-May-20	126	13-Mar-20 A	16-Jul-20 A	
AIP - Prepare for 2nd Sub	40	08-May-20	16-Jun-20		28-Mar-20 A	16-Jul-20 A	AIP - Prepare for 2nd Sub
AIP - 2nd Sub	0		16-Jun-20	0		16-Jul-20 A	♦ AIP - 2nd Sub
AIP - 2nd Review by SO	28	17-Jun-20	14-Jul-20	38	17-Jul-20 A	24-Aug-20 A	
DDA WVB - ELS Design (DCRA + Dewatering & Pumping T	140	08-Jun-20	23-Nov-20	154	03-Jul-20 A	05-Jan-21	V DDA WVB - ELS Design (DCRA + Dewatering & Pumping Test)
DDA - Draft - Preparation by Designer	39	08-Jun-20	24-Jul-20	56	03-Jul-20 A	05-Sep-20	DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	24	25-Jul-20	21-Aug-20	24	07-Sep-20	06-Oct-20	DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0		21-Aug-20	0		06-Oct-20	◆ DDA - 1'st Sub
DDA - Review by SO	28	22-Aug-20	18-Sep-20	28	07-Oct-20	03-Nov-20	DDA - Review by SO
DDA - Review by GEO via SO	28	22-Aug-20	18-Sep-20	28	07-Oct-20	03-Nov-20	DDA - Review by GEO:via SO
DDA - Review by IP / DC	28	22-Aug-20	18-Sep-20	28	07-Oct-20	03-Nov-20	DDA - Review by IP / DC
DDA - Further information required by SO	24	19-Sep-20	19-Oct-20	24	04-Nov-20	01-Dec-20	DDA - Further information required by SO
DDA - 2nd Sub	0		19-Oct-20	0		01-Dec-20	DDA - 2nd Sub
DDA - 2nd Review by SO	35	20-Oct-20	23-Nov-20	35	02-Dec-20	05-Jan-21	DDA - 2nd Review by \$O
DDA - SO Consent for Construction	0		23-Nov-20	0		05-Jan-21	♦ DDA - \$O Consent for Construction
DDA WVB - Accommodation (SoA)	156	17-Jul-20	21-Jan-21	156	17-Jul-20 A	21-Jan-21	DDA WVB - Accommodation (SoA)
Page 7 of 30 ♦ ♦ Milestone	Summary	<u> </u>					Date Revision Checked Approved
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Actual Milestone
 Actual Work

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

BOUYGUES

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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish		2020				202	21
							March April	May June 5 03 10 17 24 31 07 14 21 28 05	July August	September October Novem 3 30 06 13 20 27 04 11 18 25 01 08 15		January Febru 27 03 10 17 24 31 07	
DDA - Draft - Preparation by Designer	52	17-Jul-20	15-Sep-20	52	17-Jul-20 A	15-Sep-20				DDA Draft - Preparation by Des			
DDA - Draft - Final Review and prepare for 1st Sub	24	16-Sep-20	15-Oct-20	24	16-Sep-20	15-Oct-20		<u> </u> <u> </u> + + + + + + + + + + + - + + - +	J J J	DDA - Draft - Fin	al Review and prepare	e for 1st Sub	
DDA - 1st Sub	0		15-Oct-20	0	· ·	15-Oct-20			J L L J L L J L L J	♦ DDA - 1st Sub			
DDA - Review by SO	28	16-Oct-20	12-Nov-20	28	16-Oct-20	12-Nov-20					DA - Review by SO		
DDA - Review by IP / DC	28	16-Oct-20	12-Nov-20	28	16-Oct-20	12-Nov-20					DA - Review by IP / D	DC	
DDA - Further information required by SO	30	13-Nov-20	17-Dec-20	30	13-Nov-20	17-Dec-20			$\begin{array}{cccccccccccccccccccccccccccccccccccc$			A Further information requ	ired by SO
DDA - 2nd Sub	0		17-Dec-20	0		17-Dec-20					♦ DDA	A 2nd Sub	
DDA - 2nd Review by SO	35	18-Dec-20	21-Jan-21	35	18-Dec-20	21-Jan-21			······································				Review by SO
DDA - SO Consent for Construction	0		21-Jan-21	0		21-Jan-21							Consent for Construction
DDA WVB - Permanent Structure	137	16-Oct-20	02-Apr-21	137	16-Oct-20	02-Apr-21							
DDA - Draft - Preparation by Designer	45	16-Oct-20	08-Dec-20	45	16-Oct-20	08-Dec-20					DDA - Dr	raft - Preparation by Design	ner
DDA - Draft - Final Review and prepare for 1st Sub	12	09-Dec-20	22-Dec-20	12	09-Dec-20	22-Dec-20						DDA - Draft - Final Review a	
DDA - 1st Sub	0		22-Dec-20	0		22-Dec-20			······································		◆ D	DDA - 1 st Sub	
DDA - Review by SO	28	23-Dec-20	19-Jan-21	28	23-Dec-20	19-Jan-21			· · · · · · · · · · · · · · · · · · ·			DDA - Revie	wbySO
DDA - Review by IP / DC	28	23-Dec-20	19-Jan-21	28	23-Dec-20	19-Jan-21						DDA - Revie	w by IP / DC
DDA - Further information required by SO	30	20-Jan-21	26-Feb-21	30	20-Jan-21	26-Feb-21		- - <td>$\begin{array}{c} 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$</td> <td></td> <td></td> <td></td> <td>DDA - Further in</td>	$\begin{array}{c} 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ $				DDA - Further in
DDA - 2nd Sub	0		26-Feb-21	0		26-Feb-21							DDA - 2nd Sub
DDA - 2nd Review by SO	35	27-Feb-21	02-Apr-21	35	27-Feb-21	02-Apr-21			·····				
DDA WVB - ABWF	89	23-Dec-20	16-Apr-21	89	23-Dec-20	16-Apr-21			· · · · · · · · · · · · · · · · · · ·				
DDA - Draft - Preparation by Designer	45	23-Dec-20	19-Feb-21	45	23-Dec-20	19-Feb-21							DDA - Draft - Prepa
DDA - Draft - Final Review and prepare for 1st Sub	24	20-Feb-21	19-Mar-21	24	20-Feb-21	19-Mar-21							
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DDA - Review by IP / DC	28	20-Mar-21	16-Apr-21	28	20-Mar-21	16-Apr-21							
DDA WVB - General Building Plan	74	22-Jan-21	26-Apr-21	74	22-Jan-21	26-Apr-21							
DDA - Draft - Preparation by Designer	30	22-Jan-21	01-Mar-21	30	22-Jan-21	01-Mar-21							DDA - D'raft - I
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WSD	0			71	14-May-20 A	· ·							
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Page 8 of 30 Data Date: 30-Aug-20

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

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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2020 2021
		1	1		/		March April May June July August September October November December January February March
DSD	0			71	14-May-20 A	07-Aug-20 A	
DDA - Reminder sent to DSD	0	1	1	0		14-May-20 A	A DDA - Reminder sentito DSD
DDA - DSD Comment	0			13	14-May-20 A	29-May-20 A	DDA -DSD Comment
DDA - RtC to DSD	0	+		13	-	-	DDA - RiC to D\$D
DDA - Circulate to WSD Planning & Design	0			0		15-Jun-20 A	♦ DDA - Circulate to WSD Planning & Design
DDA - DSD Mainland South Division further comment by email	0	+		25	16-Jun-20 A	17-Jul-20 A	DDA DSD Mainland South Division further comment by email
DDA - RtC to DSD by email	0		,	4	18-Jul-20 A	23-Jul-20 A	DØA - RtC to DSD by email
DDA - DSD Land Drainage Division comment about design sea level	0		,	12		07-Aug-20 A	
HyD	0			24	02-Jul-20 A		
DDA - HyD comment received	0			0		02-Jul-20 A	► DDA - HyD comment received
DDA - RtC to HyD	0]	23	03-Jul-20 A	30-Jul-20 A	
AIP Road S20 - Alignment, Traffic Sign, Road Marking and	80	30-Mar-20	09-Jul-20	66			AIP Road S20: - Alignment, Traffic Sign, Road Marking and Traffic Light
AIP - Draft - Final Review and prepare for 1st Sub	12	30-Mar-20	16-Apr-20	2			
AIP - Review by SO	28	17-Apr-20	14-May-20	13			
AIP - Further information required by SO	20	15-May-20	14-ivia y-20	33	· ·	,	AIP Further information required by SO
AIP - Putter information required by SO AIP - 2nd Review by SO	24	12-Jun-20	09-Jul-20	29	,	17-Jul-20 A	All - Indirectine do y So
DDA Road S20 - Alignment, Traffic Sign, Road Marking and		12-Juii-20	09-Jul-20 07-Jul-20	190		05-Sep-20	DDA Road S20 - Alignment, Traffic Sign, Road Marking and Traffic Light
SOR							SOR
	138	16-Jan-20	07-Jul-20	190		05-Sep-20	
DDA - Draft - Preparation by Designer	36	16-Jan-20	29-Feb-20	37	16-Jan-20 A	02-Mar-20 A	
DDA - Draft - Final Review and prepare for 1st Sub	24	02-Mar-20	28-Mar-20		03-Mar-20 A		
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DDA - HyD Urban No Comment	0		,	0		28-Jul-20 A	DDA - HyD;Urban No Comment
DDA Road S20 - Roadworks and Street Fumiture	104	02-Mar-20	09-Jul-20	185	02-Mar-20 A	14-Oct-20	DDA R 🎪 d S20 🗣 Rong dworks and Street Furniture
DDA AMAWBC - Permanent Utility Design & Outfall 1	106	20-Jan-20	01-Jun-20			10-Oct-20	✓ DDA AMAWBC - Permanent Ulility:Design & Quifall 1
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DDA - 2nd Review by SO	35	28-Apr-20	01-Jun-20	48		29-Jul-20 A	DDA - 2nd Review by SO
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DDA - 3rd Sub	0	I	,	0		05-Sep-20	◆ DDA + 3rd \$vb
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Page 9 of 30 ♦ ♦ Milestone ▼ S	Summary	ļ	1				

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

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Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
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22-Feb-20	01V0	SPa/LLo	WYu
09-Apr-20	01V1	SPa/LLo	WYu
17-Jul-20	01V2	SPa/LLo	WYu
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Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish		2020
							March April	May June July August September Octo
DDA - Reminder sent to WSD	0			0		14-May-20 A		◆ DDA - Reminder sentito WSD
DDA - WSD Comment	0			5	14-May-20 A	20-May-20 A		DDA - WSD Comment
DDA - RtC to WSD	0			23	21-May-20 A	17-Jun-20 A		DDA - RtC to WSD
DDA - Circulate to WSD Planning & Design	0			0		22-Jun-20 A		DDA - Circulate to WSD Planning & Design
DDA - WSD Design reply No Comment	0			5	23-Jun-20 A	30-Jun-20 A		DDA - WSD Design reply No Comment
DDA - WSD Planning reply by email No Comment	0			11	23-Jun-20 A	08-Jul-20 A		DDA - WSD Planning reply by email No Comment
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DDA - Consent for Waterworks	0			0		07-Aug-20 A		◆ DDA - Consent for Waterworks
DSD	0			71	14-May-20 A	07-Aug-20 A		
DDA - Reminder sent to DSD	0			0		14-May-20 A		◆ DDA - Reminder sentito DSD
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DDA - RtC to DSD	0			13	30-May-20 A	15-Jun-20 A		DDA - RtC to D\$D
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DDA - DSD Mainland South Division further comment by email	0			25	16-Jun-20 A	17-Jul-20 A		DDA DSD Mainland South Division further con
DDA - RtC to DSD by email	0			4	18-Jul-20 A	23-Jul-20 A		DØA - RtC to DSD pylemáil
DDA - DSD Land Drainage Division comment about design sea level	0			12	24-Jul-20 A	07-Aug-20 A		DDA - DSD Land: Drainage Division
AIP Road L10 (S)	95	15-May-20	04-Sep-20	85	01-Aug-20 A	11-Nov-20		V AlP Road L10 (S)
AIP - Draft - Preparation by Designer	24	15-May-20	11-Jun-20	17	01-Aug-20 A	20-Aug-20 A		AlP - Draft - Preparation by D
AIP - Draft - Final Review and prepare for 1st Sub	12	12-Jun-20	26-Jun-20	4	21-Aug-20 A	25-Aug-20 A		📛 🗛 🖛 AlP - Draft - Final Review
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AIP - Review by SO	28	27-Jun-20	24-Jul-20	34	26-Aug-20 A	28-Sep-20		AIP - Re
AIP - Further information required by SO	12	25-Jul-20	07-Aug-20	12	29-Sep-20	14-Oct-20		
AIP - 2nd Review by SO	28	08-Aug-20	04-Sep-20	28	15-Oct-20	11-Nov-20		
DDA Road L10 (S) - Permanent Utility Design	74	06-Oct-20	04-Jan-21	72	10-Dec-20	10-Mar-21		V
DDA - Draft - Final Review and prepare for 1st Sub	12	06-Oct-20	19-Oct-20	12	10-Dec-20	23-Dec-20		
DDA - Review by SO	28	20-Oct-20	16-Nov-20	28	24-Dec-20	20-Jan-21		
DDA - Further information required by SO	12	17-Nov-20	30-Nov-20	12	21-Jan-21	03-Feb-21		
DDA - 2nd Review by SO	35	01-Dec-20	04-Jan-21	35	04-Feb-21	10-Mar-21		
DDA Road L10 (S) - Alignment, Traffic Sign, Road Marking a	98	05-Sep-20	04-Jan-21	96	12-Nov-20	10-Mar-21		
DDA - Draft - Preparation by Designer	24	05-Sep-20	05-Oct-20	24	12-Nov-20	09-Dec-20		
DDA - 1st Sub	0		19-Oct-20	0		23-Dec-20		
DDA - Review by SO	28	20-Oct-20	16-Nov-20	28	24-Dec-20	20-Jan-21		
DDA - Review by IP / DC	28	20-Oct-20	16-Nov-20	28	24-Dec-20	20-Jan-21		
DDA - Further information required by SO	12	17-Nov-20	30-Nov-20	12	21-Jan-21	03-Feb-21		
DDA - 2nd Review by SO	35	01-Dec-20	04-Jan-21	35	04-Feb-21	10-Mar-21		
DDA Road L10 (S) - Roadworks and Street Furniture	98	05-Sep-20	04-Jan-21	96	12-Nov-20	10-Mar-21		
DDA - Draft - Preparation by Designer	24	05-Sep-20	05-Oct-20	24	12-Nov-20	09-Dec-20		
DDA - Draft - Final Review and prepare for 1st Sub	12	06-Oct-20	19-Oct-20	12	10-Dec-20	23-Dec-20		
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DDA - Review by SO	28	20-Oct-20	16-Nov-20	28	24-Dec-20	20-Jan-21		
DDA - Review by IP / DC	28	20-Oct-20	16-Nov-20	28	24-Dec-20	20-Jan-21		
DDA - Further information required by SO	12	17-Nov-20	30-Nov-20	12	21-Jan-21	03-Feb-21		
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DDA - 2nd Review by SO	35	01-Dec-20	04-Jan-21	35	04-Feb-21	10-Mar-21		
DDA - SO Consent for Construction	0		04-Jan-21	0		10-Mar-21		
AIP Foot Bridge FB-02	102	25-May-20	22-Sep-20	145	25-May-20 A	14-Nov-20		AP Foot B
AIP - Draft - Preparation by Designer	30	25-May-20	29-Jun-20	72	25-May-20 A	18-Aug-20 A		AIP - Draft - Preparation by De
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AIP - 2nd Review by SO	28	26-Aug-20	22-Sep-20	28	18-Oct-20	14-Nov-20		

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

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	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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur Start	Finish			2020 2021
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Page 11 of 30 Data Date: 30-Aug-20

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

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

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Page 12 of 30 Data Date: 30-Aug-20 Milestone
 Planned Bar

Actual Milestone

Baseline MilestoneBaseline Bar

iticalActivity

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

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2-Feb-20	01V0	SPa/LLo	WYu
9-Apr-20	01V1	SPa/LLo	WYu
7-Jul-20	01V2	SPa/LLo	WYu

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish		2020 2021
							March	April May June July August September October November December January February March 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 03 10 17 24 31 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21
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DDA - 2nd Review by SO	35	15-Dec-20	18-Jan-21	35	20-Nov-20	24-Dec-20		DDA - 2nd Review by SO
DDA - SO Consent for Construction	0		18-Jan-21	0		24-Dec-20		◆ DDA - SO Consent tor Construction
[STE] DDA Hoi Bun Road Junction - Roadworks and Street	75	19-Oct-20	18-Jan-21	77	23-Sep-20	24-Dec-20		
DDA - Draft - Preparation by Designer	6	19-Oct-20	24-Oct-20	6	23-Sep-20	29-Sep-20	++	DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	6	27-Oct-20	02-Nov-20	6	30-Sep-20	08-Oct-20		DDA - Draft:-Final Review and prepare for 1st Sub
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DDA - Review by IP / DC	28	03-Nov-20	30-Nov-20	28	09-Oct-20	05-Nov-20		DDA - Review by IP / DC
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[STE] DDA Hoi Bun Road Junction - Street Lighting	75	19-Oct-20	18-Jan-21	77	23-Sep-20	24-Dec-20		TTELDDA Hei Bun Dead function
DDA - Draft - Preparation by Designer	6	19-Oct-20	24-Oct-20	6	23-Sep-20 23-Sep-20	24-Dec-20 29-Sep-20		DDA Draft - Preparation by Designer
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[STE] AIP Slip Road S5	57	12-Nov-20	20-Jan-21	57	12-Nov-20	20-Jan-21		▼ [STE] AIP Slip Road S5
AIP - Draft - Preparation by Designer	24	12-Nov-20	09-Dec-20	24	12-Nov-20	09-Dec-20		AIP - Draft - Preparation by Designer
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[STE] DDA Slip Road S5 - Permanent Utility Design	71	21-Jan-21	21-Apr-21	71	21-Jan-21	21-Apr-21		
DDA - Draft - Preparation by Designer	6	21-Jan-21	27-Jan-21	6	21-Jan-21	27-Jan-21		DD/A - Draft - Preparation by De:
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[STE] DDA Slip Road S5 - Alignment, Traffic Sign, Road Ma	71	21-Jan-21	21-Apr-21	71	21-Jan-21	21-Apr-21		
DDA - Draft - Preparation by Designer	6	21-Jan-21	27-Jan-21	6	21-Jan-21	27-Jan-21		DDA - Draft - Preparation by De
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DDA - 2nd Review by SO	35	18-Mar-21	21-Apr-21	35	18-Mar-21	21-Apr-21		
[STE] DDA Slip Road S5 - Roadworks and Street Furniture	71	21-Jan-21	21-Apr-21	71	21-Jan-21	21-Apr-21		
DDA - Draft - Preparation by Designer	6	21-Jan-21	27-Jan-21	6	21-Jan-21	27-Jan-21		DDA - Draft - Prepáration by De:
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Page 13 of 30 Data Date: 30-Aug-20 Milestone
 Planned Bar

Summary

Actual Milestone
 Actual Work

Baseline Milestone
 Baseline Bar

riticalActivity

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

BOUYGUES TRAVAUX PUBLICS

	Date	Revision	Checked	Approved
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s	22-Feb-20	01V0	SPa/LLo	WYu
	09-Apr-20	01V1	SPa/LLo	WYu
	17-Jul-20	01V2	SPa/LLo	WYu

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2020
							March April May June July August September Octor 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 02 09 16 23 30 06 13 20 27 04 11
DDA - Review by SO	28	04-Feb-21	03-Mar-21	28	04-Feb-21	03-Mar-21	
DDA - Review by IP / DC	28	04-Feb-21	03-Mar-21	28	04-Feb-21	03-Mar-21	
DDA - Further information required by SO	12	04-Mar-21	17-Mar-21	12	04-Mar-21	17-Mar-21	
DDA - 2nd Sub	0		17-Mar-21	0		17-Mar-21	
DDA - 2nd Review by SO	35	18-Mar-21	21-Apr-21	35	18-Mar-21	21-Apr-21	
[STE] DDA Slip Road S5 - Street Lighting	71	21-Jan-21	21-Apr-21	71	21-Jan-21	21-Apr-21	
DDA - Draft - Preparation by Designer	6	21-Jan-21	27-Jan-21	6	21-Jan-21	27-Jan-21	
DDA - Draft - Final Review and prepare for 1st Sub	6	28-Jan-21	03-Feb-21	6	28-Jan-21	03-Feb-21	
DDA - 1st Sub	0		03-Feb-21	0		03-Feb-21	
DDA - Review by SO	28	04-Feb-21	03-Mar-21	28	04-Feb-21	03-Mar-21	
DDA - Review by IP / DC	28	04-Feb-21	03-Mar-21	28	04-Feb-21	03-Mar-21	
DDA - Further information required by SO	12	04-Mar-21	17-Mar-21	12	04-Mar-21	17-Mar-21	
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DDA - 2nd Review by SO	35	18-Mar-21	21-Apr-21	35	18-Mar-21	21-Apr-21	
SUPPORTING UNDERGROUND STRUCTURE [SUS]	332	02-Mar-20	16-Apr-21	374	02-Mar-20 A	07-Jun-21	
Inspection Report of Existing SUS	48	02-Mar-20	02-May-20	47	02-Mar-20 A	29-Apr-20 A	✓ Inspection Report of Existing SUS
Prepare & Submit Inspection Report	48	02-Mar-20	02-May-20	47	02-Mar-20 A	29-Apr-20 A	Prepare & Submit Inspection Report
Submit Inspection Report	0		02-May-20	0		29-Apr-20 A	Submit Irispection Report
AIP SUS - Internal Structure	144	04-May-20	22-Oct-20	131	06-Jul-20 A	08-Dec-20	
AIP - Draft - Preparation by Designer	72	04-May-20	28-Jul-20	60	06-Jul-20 A	12-Sep-20	AlP -: Diaft - Pre
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AIP - Review by IP / DC	28	14-Aug-20	10-Sep-20	28	30-Sep-20	27-Oct-20	
AIP - Update & prepare for 2nd Sub	12	11-Sep-20	24-Sep-20	12	28-Oct-20	10-Nov-20	
AIP - 2nd Sub	0		24-Sep-20	0		10-Nov-20	
AIP - 2nd Review by SO	28	25-Sep-20	22-Oct-20	28	11-Nov-20	08-Dec-20	
AIP - SO Consent for DDA Submission	0		22-Oct-20	0		08-Dec-20	
DDA SUS - Internal Structure	140	23-Oct-20	16-Apr-21	143	09-Dec-20	07-Jun-21	
DDA - Draft - Preparation by Designer	36	23-Oct-20	04-Dec-20	36	09-Dec-20	22-Jan-21	
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ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

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

BOUYGUES TRAVAUX PUBLICS



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

Activity Name	Dur	01V2 Start	01V2 Finish	D ur Star	Finish		2020			2021
						March April 01 08 15 22 29 05 12 19 1	May June July 26 03 10 17 24 31 07 14 21 28 05 12	August	September October 23 30 06 13 20 27 04 11 18 25 01	November December January February March
DDA - SO Consent for Construction	0		17-Jul-20	0	21-Aug-20 A		20 03 10 17 24 31 07 14 21 20 03 12		DDA - SO Consent for Construction	00 13 22 29 00 13 20 27 03 10 17 24 31 07 14 21 20 07 14 21 0
DDA - C&C/LSELS Strutting & Dewatering+DCRA	84	11-Jun-20	18-Sep-20	133 01-Jun-1	3					ting& Dewatering +DCRA
DDA - Draft - Preparation by Designer	12	11-Jun-20	24-Jun-20	35 01-Jun-1				A - Draft - Prepara	ration by Designer	
DDA - Draft - Final Review and prepare for 1st Sub	6	26-Jun-20	03-Jul-20	7 14-Jul-2					nal Review and prepare for 1st Sub	
DDA - 1st Sub	0		03-Jul-20	0	21-Jul-20 A			DDA - 1st Sub		
DDA - Review by SO	28	04-Jul-20	31-Jul-20	35 22-Jul-2					DDA - Review by SO	
DDA - Review by GEO via SO	28	04-Jul-20	31-Jul-20	35 22-Jul-2					DDA - Review by GEO via SO	
DDA - Review by IP / DC	28	04-Jul-20	31-Jul-20	63 22-Jul-2)C
DDA - Further information required by SO	12	01-Aug-20	14-Aug-20	32 26-Aug-	· · ·				DDA - Further in	ormation required by SD
DDA - 2nd Sub	0		14-Aug-20	0	03-Oct-20				DDA - 2nd Sub	
DDA - 2nd Review by SO	35	15-Aug-20	18-Sep-20	35 04-Oct						I DDA + 2nd Review by SO
DDA - SO Consent for Construction	0		18-Sep-20	0	07-Nov-20				•••••••••••••••••••••••••••••••••••••••	DDA SQ Consent for Construction
DDA - C&C/LS Base Slab & Associated Cast-in for TBM La	103	15-Aug-20	16-Dec-20	130 19-Aug-				·····		DDA - C&C/LS Base Slab & Associated Cast in for TBN
DDA - Draft - Preparation by Designer	25	15-Aug-20	12-Sep-20	53 19-Aug-					DDA -	Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	12	14-Sep-20	26-Sep-20	12 22-Oct						DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0		26-Sep-20	0	05-Nov-20					DDA - 11st Sub
DDA - Review by SO	28	27-Sep-20	24-Oct-20	28 06-Nov		++-+-+-+-+-+-+-++++++++				DDA - Review.by SO
DDA - Review by GEO via SO	28	27-Sep-20	24-Oct-20	28 06-Nov						DDA - Review by GEO via SO
DDA - Review by IP / DC	28	27-Sep-20	24-Oct-20	28 06-Nov						DDA - Review by IP / DC
DDA - Further information required by SO	14	27-Oct-20	11-Nov-20	14 04-Dec						DDA - Further information required by SO
DDA - 2nd Sub	0		11-Nov-20	0	19-Dec-20					♦ DDA + 2nd Sub
DDA - 2nd Review by SO	35	12-Nov-20	16-Dec-20	35 20-Dec						DDA + 2nd Review by SQ
DDA - SO Consent for Construction	0		16-Dec-20	0	23-Jan-21					♦ DDA - SQ Consent for Constructio
DDA - LS Tympanum Structure for TBM Launching	173	15-Aug-20	15-Mar-21	173 15-Aug-				· · · · · · · · · · · · · · · · · · ·		DDA -
DDA - Draft - Preparation by Designer	63	15-Aug-20	30-Oct-20	63 15-Aug-						DA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	24	31-Oct-20	27-Nov-20	24 31-Oct						DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0		27-Nov-20	0	27-Nov-20					◆ DDA - 1st/Sub
DDA - Review by SO	28	28-Nov-20	25-Dec-20	28 28-Nov						DDA -: Review by; SO
DDA - Review by GEO via SO	28	28-Nov-20	25-Dec-20	28 28-Nov						DDA - Review by GEO via SO
DDA - Review by IP / DC	28	28-Nov-20	25-Dec-20	28 28-Nov						DDA - Review by P / DC
DDA - Further information required by SO	36	28-Dec-20	08-Feb-21	36 28-Dec						DDA - Further information
DDA - 2nd Sub	0		08-Feb-21	0	08-Feb-21					🔶 DDA - 2nd Sub
DDA - 2nd Review by SO	35	09-Feb-21	15-Mar-21	35 09-Feb						DDA -
DDA - SO Consent for Construction	0		15-Mar-21	0	15-Mar-21					◆ DDA -
DDA - C&C/LSPermanent Structure	132	28-Nov-20	13-May-21	132 28-Nov						
DDA - Draft - Preparation by Designer	48	28-Nov-20	26-Jan-21	48 28-Nov	-					DDA - Draft - Preparation by Des
DDA - Draft - Final Review and prepare for 1st Sub	24	27-Jan-21	26-Feb-21	24 27-Jan						DDA - Dráft - Fi
DDA - 1st Sub	0		26-Feb-21	0	26-Feb-21					♦ DDA - 1st Sub
DDA - Review by SO	28	27-Feb-21	26-Mar-21	28 27-Feb						
DDA - Review by GEO via SO	28	27-Feb-21	26-Mar-21	28 27-Feb		+ - + - + - + - + - + - + - + - + - + -				
DDA - Review by IP / DC	28	27-Feb-21	26-Mar-21	28 27-Feb						
DDA - Further information required by SO	36	27-Mar-21	13-May-21	36 27-Mar		+				
DDA - LS Thrust Frame / Blocks for TBM Launching	126	14-Sep-20	17-Feb-21	126 14-Sep	,				····	▼ DDA - LS Thrust Fra
DDA - Draft - Preparation by Designer	30	14-Sep-20	20-Oct-20	30 14-Sep					iDDA - I	Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	9	21-Oct-20	31-Oct-20	9 21-Oct						DA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0		31-Oct-20	0	31-Oct-20					DA 1st Sub
DDA - Review by SO	28	01-Nov-20	28-Nov-20	28 01-Nov						DDA - Review by SO
DDA - Review by IP / DC	28	01-Nov-20	28-Nov-20	28 01-Nov						DDA - Review by IP / DC
DDA - Further information required by SO	36	30-Nov-20	13-Jan-21	36 30-Nov						DDA - Further information required by S
DDA - 2nd Sub	0		13-Jan-21	0	13-Jan-21					♦ DDA - 2nd Sub
DDA - 2nd Review by SO	35	14-Jan-21	17-Feb-21	35 14-Jan		+ - + - + - + - + - + - + - + - + - + -				DDA - 2nd Review;b
DDA - SO Consent for Construction	0		17-Feb-21	0	17-Feb-21					♦ DDA - SO Consent for
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Page 16 of 30 Milestone	Summary	/								Date Revision Checked Approved
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Actual Milestone

Baseline Milestone
 Baseline Bar

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

BOUYGUES TRAVAUX PUBLICS

	Date	Revision	Checked	Approved
	05-Nov-19	00V0	WYu	
	18-Dec-19	00V1	WYu	
s	22-Feb-20	01V0	SPa/LLo	WYu
	09-Apr-20	01V1	SPa/LLo	WYu
	17-Jul-20	01V2	SPa/LLo	WYu
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Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2020
							March April May June July August September Octor 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 02 09 16 23 30 06 13 20 27 04 11
SUB-SEA TBM TUNNEL	372	08-Jan-20	13-Apr-21	348	01-Feb-20 A	06-Apr-21	
AIP - Sub-sea Tunnel & PCRA	75	08-Jan-20	08-Apr-20	80	07-Mar-20 A	15-Jun-20 A	▼ AIP - Sub-sea Tunnel & PCRA
AIP - Draft - Final Review and prepare for 1st Sub	18	08-Jan-20	31-Jan-20	6	07-Mar-20 A	13-Mar-20 A	🔲 AIP - Draft - Final Review and prepare for 1st Sub
AIP - 1st Sub	0		31-Jan-20	0		13-Mar-20 A	◆ AIP - 1st \$ub
AIP - Review by SO	28	01-Feb-20	28-Feb-20	41	14-Mar-20 A	23-Apr-20 A	AIP - Reviệw by SD
AIP - Review by GEO via SO	28	01-Feb-20	28-Feb-20	41	14-Mar-20 A	23-Apr-20 A	AIP - Review by GEO via SO
AIP - Review by IP / DC	28	01-Feb-20	28-Feb-20	80	14-Mar-20 A	01-Jun-20 A	
AIP - Prepare for 2nd Sub	12	29-Feb-20	11-Mar-20	39	24-Apr-20 A	01-Jun-20 A	AIP - Prepare for 2nd Sub
AIP - 2nd Review by SO	28	12-Mar-20	08-Apr-20	15	01-Jun-20 A	15-Jun-20 A	AIP - 2nd Réview by SQ
AIP - 2nd Sub	0		11-Mar-20	0		01-Jun-20 A	AIP - 2nd Sùb
AIP - SO Consent for DDA Submission	0		08-Apr-20	0		15-Jun-20 A	AIP - SO Consent for DDA Submission
DDA - Sub-sea Tunnel - Precast Segment Lining + DCRA	146	01-Feb-20	29-Jul-20	207	01-Feb-20 A	10-Oct-20	DDA - Subisea Tunnel - Precast Segmen
DDA - Draft - Preparation by Designer	54	01-Feb-20	03-Apr-20	111	01-Feb-20 A	16-Jun-20 A	DDA Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	12	06-Apr-20	22-Apr-20	2	17-Jun-20 A	18-Jun-20 A	DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0		22-Apr-20	0		18-Jun-20 A	♦ DDA - 1st Sub
DDA - Review by SO	28	23-Apr-20	20-May-20	6	19-Jun-20 A	24-Jun-20 A	DDA - Review by SO
DDA - Review by GEO via SO	28	23-Apr-20	20-May-20	6	19-Jun-20 A	24-Jun-20 A	DDA - Review by GEO via SO
DDA - Review by IP / DC	28	23-Apr-20	20-May-20	79	19-Jun-20 A	05-Sep-20	DDA : Review by IP
DDA - Further information required by SO	30	21-May-20	24-Jun-20	5	25-Jun-20 A	02-Jul-20 A	DDA - Further information required by SO
DDA - 2nd Sub	0		24-Jun-20	0		02-Jul-20 A	🔷 🗢 DDA - 2nd Sub
DDA - 2nd Review by SO	35	25-Jun-20	29-Jul-20	35	06-Sep-20	10-Oct-20	
DDA - SO Consent for Construction	0		29-Jul-20	0		10-Oct-20	
DDA - Special Segment for CP construction	140	30-Jul-20	15-Jan-21	135	12-Oct-20	25-Mar-21	
DDA - Draft - Preparation by Designer	36	30-Jul-20	09-Sep-20	30	12-Oct-20	16-Nov-20	
DDA - Draft - Final Review and prepare for 1st Sub	24	10-Sep-20	09-Oct-20	24	17-Nov-20	14-Dec-20	
DDA - 1st Sub	0		09-Oct-20	0		14-Dec-20	▲
DDA - Review by SO	28	10-Oct-20	06-Nov-20	28	15-Dec-20	11-Jan-21	
DDA - Review by IP / DC	28	10-Oct-20	06-Nov-20	28	15-Dec-20	11-Jan-21	
DDA - Further information required by SO	30	07-Nov-20	11-Dec-20	30	12-Jan-21	18-Feb-21	
DDA - 2nd Sub	0		11-Dec-20	0		18-Feb-21	
DDA - 2nd Review by SO	35	12-Dec-20	15-Jan-21	35	19-Feb-21	25-Mar-21	
DDA - SO Consent for Construction	0		15-Jan-21	0		25-Mar-21	
DDA - Sub-sea Tunnel - TBM Confinement	80	02-Jan-21	13-Apr-21	74	02-Jan-21	06-Apr-21	
DDA - Draft - Preparation by Designer	36	02-Jan-21	16-Feb-21	30	02-Jan-21*	05-Feb-21	
DDA - Draft - Final Review and prepare for 1st Sub	24	17-Feb-21	16-Mar-21	24	06-Feb-21	09-Mar-21	
DDA - 1st Sub	0		16-Mar-21	0		09-Mar-21	
DDA - Review by SO	28	17-Mar-21	13-Apr-21	28	10-Mar-21	06-Apr-21	
DDA - Review by IP / DC	28	17-Mar-21	13-Apr-21	28	10-Mar-21	06-Apr-21	
DDA - Sub-sea Tunnel - Internal Structure	125	26-Jun-20	23-Nov-20	114	07-Sep-20	23-Jan-21	
DDA - Draft - Preparation by Designer	36	26-Jun-20	07-Aug-20	28	07-Sep-20	10-Oct-20	
DDA - Draft - Final Review and prepare for 1st Sub	12	08-Aug-20	21-Aug-20	12	12-Oct-20	24-Oct-20	
DDA - 1st Sub	0		21-Aug-20	0		24-Oct-20	
DDA - Review by SO	28	22-Aug-20	18-Sep-20	28	25-Oct-20	21-Nov-20	
DDA - Review by IP / DC	28	22-Aug-20	18-Sep-20	28	25-Oct-20	21-Nov-20	
DDA - Further information required by SO	24	19-Sep-20	19-Oct-20	24	23-Nov-20	19-Dec-20	
DDA - 2nd Sub	0		19-Oct-20	0		19-Dec-20	
DDA - 2nd Review by SO	35	20-Oct-20	23-Nov-20	35	20-Dec-20	23-Jan-21	
DDA - SO Consent for Construction	0		23-Nov-20	0		23-Jan-21	
CROSS PASSAGE	174	10-Oct-20	14-May-21	174	15-Dec-20	21-Jul-21	
DDA - Cross Passage - CP Tympanum	66	16-Jan-21	10-Apr-21	60	26-Mar-21	10-Jun-21	
DDA - Draft - Preparation by Designer	42	16-Jan-21	09-Mar-21	42	26-Mar-21	20-May-21	
DDA - Draft - Final Review and prepare for 1st Sub	24	10-Mar-21	10-Apr-21	18	21-May-21	10-Jun-21	

Page 17 of 30 Data Date: 30-Aug-20

Milestone
 Summary
 Planned Bar

Critical Activity

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Actual Work Baseline Milestone Baseline Bar ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

BOUYGUES TRAVAUX PUBLICS

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05-Nov-19	00V0	WYu	
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17-Jul-20	01V2	SPa/LLo	WYu
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Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2020 2021	1
							March April May June July August September October November December January Februa	
DDA - Cross Passage - CP TBM Jacking Pipes	152	10-Oct-20	17-Apr-21	150	15-Dec-20	22-Jun-21	01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 02 09 16 23 30 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 03 10 17 24 31 07 14	+ 21 28 07 14 21 8
DDA - Draft - Preparation by Designer	48	10-Oct-20	05-Dec-20	48	15-Dec-20	11-Feb-21		DDA - Draft - Preparatic
DDA - Draft - Final Review and prepare for 1st Sub	24	07-Dec-20	06-Jan-21	24	16-Feb-21	15-Mar-21		DDA -
DDA - 1st Sub	0		06-Jan-21	0		15-Mar-21		DDA -
DDA - Review by SO	28	07-Jan-21	03-Feb-21	28	16-Mar-21	12-Apr-21		
DDA - Review by GEO via SO	28	07-Jan-21	03-Feb-21	28	16-Mar-21	12-Apr-21		
DDA - Review by IP / DC	28	07-Jan-21	03-Feb-21	28	16-Mar-21	12-Apr-21		
DDA - Further information required by SO	30	04-Feb-21	13-Mar-21	30	13-Apr-21	18-May-21		
DDA - 2nd Sub	0	0110021	13-Mar-21	0	10 / 10 / 21	18-May-21		·····
DDA - 2nd Review by SO	35	14-Mar-21	17-Apr-21	35	19-May-21	22-Jun-21		
DDA - Cross Passage - CP TBM Confinement	80	07-Jan-21	17-Apr-21	83	16-Mar-21	28-Jun-21		
DDA - Draft - Preparation by Designer	36	07-Jan-21	20-Feb-21	36	16-Mar-21	30-Apr-21		
DDA - Draft - Final Review and prepare for 1st Sub	24	22-Feb-21	20-Mar-21	24	03-May-21	31-May-21		· - ; ; ; ; ; ; <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u> <u>;</u>
DDA - 1st Sub	0		20-Mar-21	0	5	31-May-21		
DDA - Review by SO	28	21-Mar-21	17-Apr-21	28	01-Jun-21	28-Jun-21	· · · · · · · · · · · · · · · · · · ·	
DDA - Review by IP / DC	28	21-Mar-21	17-Apr-21	28	01-Jun-21	28-Jun-21		
DDA - Cross Passage - CP TBM - DCRA	42	22-Mar-21	14-May-21	42	01-Jun-21	21-Jul-21		
DDA - Draft - Preparation by Designer	42	22-Mar-21	14-May-21	42	01-Jun-21	21-Jul-21		
DDA - Cross Passage - Traditional (CP28 & 29) - Temp Sup	142	10-Oct-20	02-Apr-21	140	15-Dec-20	09-Jun-21		
DDA - Draft - Preparation by Designer	42	10-Oct-20	28-Nov-20	42	15-Dec-20	04-Feb-21		- Draft - Preparation by
DDA - Draft - Final Review and prepare for 1st Sub	24	30-Nov-20	29-Dec-20	42 24	05-Feb-21	04-1 eb-21 08-Mar-21		DDA - Dra
DDA - DTait - Final Review and prepare for 1st Sub	0	30-1100-20	29-Dec-20 29-Dec-20	0	03-FED-21	08-Mar-21		DDA - 1st
DDA - TST Sub DDA - Review by SO	28	30-Dec-20	29-Dec-20 26-Jan-21	28	09-Mar-21	05-Apr-21		
· · · · · · · · · · · · · · · · · · ·	28	30-Dec-20 30-Dec-20	26-Jan-21	28	09-Mar-21	05-Apr-21		
DDA - Review by GEO via SO					09-Mar-21	•		
DDA - Review by IP / DC	28	30-Dec-20	26-Jan-21	28		05-Apr-21		· · · · · · · · · · · · · · · · · · ·
DDA - Further information required by SO	24	27-Jan-21	26-Feb-21	24	07-Apr-21	05-May-21		
DDA - 2nd Sub	0	07 5 4 01	26-Feb-21	0	0/ 14 01	05-May-21		
DDA - 2nd Review by SO	35	27-Feb-21	02-Apr-21	35	06-May-21	09-Jun-21		
DDA - Cross Passage - Traditional - Lining Structure	80	30-Dec-20	10-Apr-21	83	09-Mar-21	21-Jun-21		
DDA - Draft - Preparation by Designer	36	30-Dec-20	10-Feb-21	36	09-Mar-21	23-Apr-21		
DDA - Draft - Final Review and prepare for 1st Sub	24	11-Feb-21	13-Mar-21	24	24-Apr-21	24-May-21		
DDA - 1st Sub	0	4444 04	13-Mar-21	0	05 M 04	24-May-21		
DDA - Review by SO	28	14-Mar-21	10-Apr-21	28	25-May-21	21-Jun-21		
DDA - Review by IP / DC	28	14-Mar-21	10-Apr-21	28	25-May-21	21-Jun-21		
DDA - Cross Passage - Traditional - DCRA	36	15-Mar-21	29-Apr-21	36	25-May-21	07-Jul-21		
DDA - Draft - Preparation by Designer	36	15-Mar-21	29-Apr-21	36	25-May-21	07-Jul-21		
CHA KWO LING ROAD WORKS	212	29-Jan-20	13-Oct-20	182	29-Jan-20 A	05-Sep-20		
DDA CKL Junction - Permanent Utility Design	68	19-Feb-20	14-May-20	121	10-Mar-20 A	06-Aug-20 A		
DDA - Draft - Final Review and prepare for 1st Sub	18	19-Feb-20	10-Mar-20	1	10-Mar-20 A	10-Mar-20 A		
DDA - 1st Sub	0		10-Mar-20	0		10-Mar-20 A		
DDA - Review by SO	28	11-Mar-20	07-Apr-20	16				
DDA - Review by IP / DC	28	11-Mar-20	07-Apr-20	105		23-Jun-20 A		
DDA - Further information required by SO	2	08-Apr-20	09-Apr-20	70	27-Mar-20 A			
DDA - 2nd Sub	0		09-Apr-20	0		23-Jun-20 A	A	
DDA - 2nd Review by SO	35	10-Apr-20	14-May-20	44	24-Jun-20 A	÷		
DDA - SO Consent for Construction	0		14-May-20	0		06-Aug-20 A		
DDA CKL Junction - Allignment, Traffic Sign, Road Marking	86	29-Jan-20	14-May-20	156	29-Jan-20 A	06-Aug-20 A		
SO	86	29-Jan-20	14-May-20	156	29-Jan-20 A	06-Aug-20 A		
DDA - Draft - Preparation by Designer	24	29-Jan-20	25-Feb-20	31	29-Jan-20 A			
DDA - Draft - Final Review and prepare for 1st Sub	6	26-Feb-20	03-Mar-20	4	05-Mar-20 A	09-Mar-20 A		
DDA - 1st Sub	0		10-Mar-20	0		09-Mar-20 A		
DDA - Review by SO	28	11-Mar-20	07-Apr-20	17	10-Mar-20 A	26-Mar-20 A	A DDA - Review by SO	

Page 18 of 30 Data Date: 30-Aug-20 Milestone
 Planned Bar

e: 30-Aug-20 |

Actual Milestone
 Actual Work

Baseline MilestoneBaseline Bar

iticalActivity

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

BOUYGUES TRAVAUX PUBLICS

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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2020 2021
							March April May June July August September October November December January February March 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 02 09 16 23 30 06 13 20 27 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 03 10 17 24 31 07 14 21 18 25 01 08 15 22 29 06 13 20 27 03 10 <td< th=""></td<>
DDA - Review by IP / DC	28	11-Mar-20	07-Apr-20	91	10-Mar-20 A	08-Jun-20 A	DDA - Review by IP / DC
DDA - Further information required by SO	2	08-Apr-20	09-Apr-20	57	27-Mar-20 A	08-Jun-20 A	DDA - Further information required by \$0
DDA - 2nd Sub	0		09-Apr-20	0		08-Jun-20 A	♦ DDA' - 2hd Sub
DDA - 2nd Review by SO	35	10-Apr-20	14-May-20	15	09-Jun-20 A	23-Jun-20 A	DDA - 2nd Review by SO
DDA - Further information required by SO	0			12	03-Jul-20 A	15-Jul-20 A	DDA - Further information required by:SD
DDA - 3rd Sub	0			0		15-Jul-20 A	DDA - βrd Sub;
DDA - 3rd Review by SO	0			22	16-Jul-20 A	06-Aug-20 A	DDA - 3rd Review by SO
DDA - SO Consent for Construction	0			0		06-Aug-20 A	◆ DDA - SO Consent for Construction
CEDD	0			77	09-Apr-20 A	15-Jul-20 A	
DDA - 1st CEDD comment received	0			0		09-Apr-20 A	◆ DDA - 1st CEDD comment received
DDA - 1st RtC to CEDD	0			60	10-Apr-20 A	08-Jun-20 A	DDA - 1st RIC to CEDD
DDA - 2nd CEDD comment received	0			12	09-Jun-20 A	23-Jun-20 A	DDA - 2nd CEDD domment received
DDA - 2nd RtC to CEDD	0			22	24-Jun-20 A	15-Jul-20 A	DDA - 2nd RtC to CED
ТD	0			37	24-Mar-20 A	13-May-20 A	
DDA - TD comment received	0			0		24-Mar-20 A	◆ DDA - TD comment receivéd
DDA - RtC to TD	0			34	25-Mar-20 A	27-Apr-20 A	DDA - RtC to TD
DDA - 2nd TD comment received	0				28-Apr-20 A	· ·	DDA - 2nd TD comment received
HyD	0			0	09-Apr-20 A	09-Apr-20 A	
DDA - HyD No comment received	0			0		09-Apr-20 A	♦ DDA - HyD Ng comment neceived
DDA CKL Junction - Roadworks and Street Furniture	86	29-Jan-20	14-May-20	150	29-Jan-20 A	30-Jul-20 A	DDA CKL Junction - Roadworks and Street Furniture
SO	86	29-Jan-20	14-May-20	150	29-Jan-20 A	30-Jul-20 A	SQ SQ
DDA - Draft - Preparation by Designer	24	29-Jan-20	25-Feb-20		29-Jan-20 A	12-Mar-20 A	DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	12	26-Feb-20	10-Mar-20		13-Mar-20 A	13-Mar-20 A	📥 I DDA - Dráft - Final Réview and prepare for 1st Sub
DDA - 1st Sub	0		10-Mar-20	0		13-Mar-20 A	🖇 DDA -1 st/Sub
DDA - Review by SO	28	11-Mar-20	07-Apr-20	13	14-Mar-20 A	26-Mar-20 A	DDA - Review by SO
DDA - Further information required by SO	2	08-Apr-20	09-Apr-20	39	27-Mar-20 A	18-May-20 A	DDA - Further information required by SO
DDA - 2nd Sub	0		09-Apr-20	0		18-May-20 A	♦ DA - 2hd Sub
DDA - 2nd Review by SO	35	10-Apr-20	14-May-20	33	19-May-20 A	20-Jun-20 A	DDA - 2nd Review by SO
DDA - Further information required by SO	0			23	22-Jun-20 A	15-Jul-20 A	DDA - Further Information required by SP
DDA - 3rd Sub	0			0		15-Jul-20 A	♦ :DDA - βrd \$ub:
DDA - 3rd Review by SO	0			15	16-Jul-20 A	30-Jul-20 A	DDA - 3rd Review, by SO
DDA - SO Consent for Construction	0			0		30-Jul-20 A	DDA - SO Corsent for Construction
CEDD	0			77	09-Apr-20 A	15-Jul-20 A	
DDA - 1st CEDD comment received	0			0		09-Apr-20 A	◆ DDA - 1st CEDD comment received
DDA - 1st RtC to CEDD	0			39	10-Apr-20 A	18-May-20 A	DDA - 1st RtC to CED D
DDA - 2nd CEDD comment received	0			28	19-May-20 A	20-Jun-20 A	DDA + 2nd CEDD comment received
DDA - 2nd RtC to CEDD	0			24	22-Jun-20 A	15-Jul-20 A	DDA - 2nd RtC to CEDD
НуD	0			56	09-Apr-20 A	18-Jun-20 A	
DDA - HyD comment received	0			0		09-Apr-20 A	DDA - HyD comment received
DDA - RtC to HyD	0			38	10-Apr-20 A	18-May-20 A	DDA RIC tộ HýD
DDA - HyD No Comment received	0			31	19-May-20 A	18-Jun-20 A	DDA - HyD No Comment received
ТD	0			47	19-May-20 A	15-Jul-20 A	
DDA - TD comment received	0			0		19-May-20 A	DDA - T:D comment received
DDA - RtC to TC	0			56	20-May-20 A	15-Jul-20 A	DDA - RtC to T;C
DDA CKL Junction - Street Lighting	86	29-Jan-20	14-May-20	137	29-Jan-20 A	15-Jul-20 A	▼ DDA CKL Junction - Street Lighting
SO	86	29-Jan-20	14-May-20	119	29-Jan-20 A	22-Jun-20 A	
DDA - Draft - Preparation by Designer	24	29-Jan-20	25-Feb-20	38	29-Jan-20 A	12-Mar-20 A	DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	12	26-Feb-20	10-Mar-20	1	13-Mar-20 A	13-Mar-20 A	📫 I. DDA - Dráft - Final Réview and prepare for 1/st Sub
DDA - 1st Sub	0		10-Mar-20	0		13-Mar-20 A	🚧 DDA -1 st/Sub
DDA - Review by SO	28	11-Mar-20	07-Apr-20	13	14-Mar-20 A	26-Mar-20 A	DDA - Review by SO
DDA - Further information required by SO	2	08-Apr-20	09-Apr-20	39	27-Mar-20 A	18-May-20 A	DDA - Further information required by \$O
DDA - 2nd Sub	0		09-Apr-20	0		18-May-20 A	DDA - 2ħd \$ub
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Milestone
 Summary
 Planned Bar

Date: 30-Aug-20

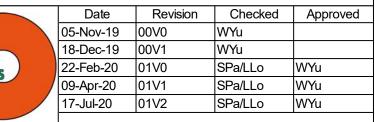
Actual Milestone
 Actual Work

Baseline MilestoneBaseline Bar

riticalActivity

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

BOUYGUES TRAVAUX PUBLICS



Activity Name		01V2 Start	01V2 Finish	Dur	r Start	Finish	2020 2021
							March April May June July August September October November December January February March 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 04 11 18 25 01 08 15 22 29 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13
DDA - 2nd Review by SO	35	10-Apr-20	14-May-20	35	19-May-20 A	22-Jun-20 A	
DDA - SO Consent for Construction	0		14-May-20	0		22-Jun-20 A	A DDA - SO Consent for Construction
CEDD	0			29	09-Apr-20 A	19-May-20 A	
DDA - CEDD comment received	0			0		09-Apr-20 A	
DDA - RtC to CEDD	0			40	10-Apr-20 A	19-May-20 A	A DDA - RtC to CEDD
HyD	0			56	09-Apr-20 A		
DDA - HyD No comment received	0			0	•	09-Apr-20 A	
DDA - HyD No comment received	0			0		' 19-Jun-20 A	
HyD Lighting	0			44	22-May-20 A		
DDA - HyD Lighting comment received	0			0	,	22-May-20 A	
DDA - RtC to HyD Lighting	0			54	23-May-20 A		
AIP Wai Yip Street / Wai Fat Road Junction - MOC Modifica	61	16-May-20	28-Jul-20	46	3		
AIP - Draft - Final Review and prepare for 1st Sub	2	16-May-20	18-May-20	7	3		
AIP - 1st Sub	0		18-May-20	0		15-May-20 A	Δ AIP-1st Sub
AIP - Review by SO	28	19-May-20	15-Jun-20	18	16-May-20 A		
AIP - Further information required by SO	12	16-Jun-20	30-Jun-20	1	18-Jun-20 A		
AIP - 2nd Review by SO	28	01-Jul-20	28-Jul-20	14		02-Jul-20 A	
DDA Wai Yip Street / Wai Fat Road Junction - MOC Modific	70	22-Jul-20	13-Oct-20	99	12-May-20 A	05-Sep-20	
SOR	70	22-Jul-20	13-Oct-20	99	12-May-20 A	· ·	
DDA - Draft - Final Review and prepare for 1st Sub	6	22-Jul-20	28-Jul-20	1	12-May-20 A	· ·	
DDA - Drait - Than Review and prepare for 1st Sub	0	ZZ-JUI-ZU	28-Jul-20	4	12-11/12 y-20 A	15-May-20 A	
DDA - TSI Stab DDA - Review by SO	28	29-Jul-20	25-Aug-20	20	16-May-20 A		
DDA - Review by SO DDA - Further information required by SO	12	29-Jui-20 26-Aug-20	08-Sep-20	12	05-Jun-20 A		
DDA - Puttiel information required by SO DDA - 2nd Sub	0	20-Aug-20	08-Sep-20	0	0J-JUIFZU A	18-Jun-20 A	
DDA - 2nd Review by SO	35	09-Sep-20	13-Oct-20	14	19-Jun-20 A	02-Jul-20 A	
DDA - 2nd Review by SO DDA - Further information required by SO		09-Sep-20	13-001-20				
	0			12	03-Jul-20 A	15-Jul-20 A	
DDA - 3rd Sub	0			0	1/ 1/ 20 4	15-Jul-20 A	
DDA - 3rd Review by SO	0		10.0.1.00	52	16-Jul-20 A	05-Sep-20	
DDA - SO Consent for Construction	0		13-Oct-20	0	01 1	05-Sep-20	
HyD	0			76	01-Jun-20 A		
DDA - HyD comment received	0			0	00.1.00.4	01-Jun-20 A	
DDA - RtC to Hyd under preparation	0			91	02-Jun-20 A	31-Aug-20	
TD	0			58	23-Jun-20 A	31-Aug-20	
DDA - TD comment received	0			0		23-Jun-20 A	
DDA - RtC to TD	0			22	24-Jun-20 A	15-Jul-20 A	
	0	00 1 00	00.0	47	16-Jul-20 A	31-Aug-20	
DRILL & BREAK [D&BR] / DRILL & BLAST TUNNEL [D&BL]	210	08-Jan-20	22-Sep-20	294	31-Dec-19 A	28-Dec-20	
AIP - D&BR / D&BL Tunnel & PCRA (with Temp. Support)	52	08-Jan-20	12-Mar-20	81	31-Dec-19 A	09-Apr-20 A	
AIP - 1st Sub	0		08-Jan-20	0		31-Dec-19 A	
AIP - Review by SO	28	09-Jan-20	05-Feb-20	47		17-Feb-20 A	
AIP - Review by IP / DC	28	09-Jan-20	05-Feb-20	47	02-Jan-20 A	17-Feb-20 A	
AIP - Update & prepare for 2nd Sub	7	06-Feb-20	13-Feb-20	25	18-Feb-20 A	17-Mar-20 A	
AIP - 2nd Sub	0		13-Feb-20	0		17-Mar-20 A	
AIP - 2nd Review by SO	28	14-Feb-20	12-Mar-20	23	18-Mar-20 A	09-Apr-20 A	
AIP - SO Consent for DDA Submission	0		12-Mar-20	0		09-Apr-20 A	
AIP - D&BR / D&BL Permanent Structure	115	09-Jan-20	01-Jun-20	196	09-Jan-20 A	07-Sep-20	
AIP - Draft - Preparation by Designer	41	09-Jan-20	28-Feb-20	49	09-Jan-20 A		
AIP - Draft - Final Review and prepare for 1st Sub	18	29-Feb-20	20-Mar-20	4	10-Mar-20 A	13-Mar-20 A	
AIP - 1st Sub	0		20-Mar-20	0		13-Mar-20 A	
AIP - Review by SO	28	21-Mar-20	17-Apr-20	38		20-Apr-20 A	
AIP - Review by IP / DC	28	21-Mar-20	17-Apr-20	106		27-Jun-20 A	
AIP - Update & prepare for 2nd Sub	12	18-Apr-20	04-May-20	2	29-Jun-20 A	30-Jun-20 A	A AIP- Update & prepare for 2nd Sub

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Milestone
 Summary
 Planned Bar

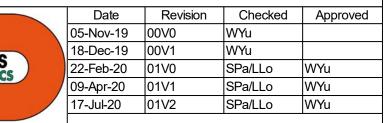
Actual Milestone

Baseline Milestone
 Baseline Bar

riticalActivity

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

BOUYGUES TRAVAUX PUBLICS



Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	2020 2021
			1				March April May June July August September October November December January February March
AIP - 2nd Review by SO	28	05-May-20	01-Jun-20	66	02-Jul-20 A	05-Sep-20	01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 02 09 16 23 30 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 03 10 17 24 31 07 14 21 28 07 14 14 21 28 07 14 14 14 14 28 07 14 14 14 14 14 14 14 14 14
AIP - 2nd Sub	0		04-May-20	_		02-Jul-20 A	
AIP - SO Consent for DDA Submission	0	01-Jun-20	01-Jun-20	0	07-Sep-20	07-Sep-20	
DDA - Construction Blasting Assessment Report	81	11-Jan-20	22-Apr-20	96	· ·	· ·	
CBAR - Draft - Final Review and prepare for 1st Sub	6	11-Jan-20	17-Jan-20	4		,	
CBAR - Dian - Final Review and prepare for TSLSub CBAR - 1st Sub	0		17-Jan-20	0		15-Jan-20 A	
CBAR - Tsi Sub CBAR - Review by MinesD	28	18-Jan-20	17-Jaii-20 14-Feb-20	19	16-Jan-20 A		
CBAR - Review by MinesD CBAR - Prepare for 2nd Sub	28	18-Jan-20 15-Feb-20	14-Feb-20 18-Mar-20				
CBAR - Prepare for 2nd Sub CBAR - 2nd Sub		10-FED-20	18-Mar-20	42		23-Mar-20 A	
	0	10 Mar 20		-			
CBAR - 2nd Review by MinesD	35	19-Mar-20	22-Apr-20	_		12-May-20 A	
DDA - D&BR / D&BL Tunnel - Rock Bolt Design at Tunnel P	110	03-Feb-20	16-Jun-20	97			
DDA - Draft - Preparation by Designer	36	03-Feb-20	14-Mar-20	71			
DDA - Draft - Final Review and prepare for 1st Sub	12	16-Mar-20	28-Mar-20	2	· ·	· ·	
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DDA - Review by GEO via SO	28	29-Mar-20	25-Apr-20	13	· ·	· ·	
DDA - Review by IP / DC	28	29-Mar-20	25-Apr-20	13	· ·	· ·	
DDA - Further information required by SO	12	27-Apr-20	12-May-20		20-Apr-20 A		
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DDA - 2nd Review by SO	35	13-May-20	16-Jun-20	7	05-May-20 A	11-May-20 A	
DDA - SO Consent for Construction	0		16-Jun-20	0	,,	11-May-20 A	
DDA - D&BR / D&BL Tunnel - Temp Support for Excavation	127	18-Jan-20	24-Jun-20	126	03-Apr-20 A	05-Sep-20	DDA - D&BR /:D&BL T:unnel -:Temp Support for Excavation + DCRA
DDA - Review by SO	28	09-Apr-20	06-May-20	88	03-Apr-20 A	29-Jun-20 A	A DDA - Review by SO
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DDA - Review by IP / DC	28	09-Apr-20	06-May-20	92	03-Apr-20 A	03-Jul-20 A	
DDA - Draft - Preparation by Designer	60	18-Jan-20	31-Mar-20	17			
DDA - Draft - Final Review and prepare for 1st Sub	6	01-Apr-20	08-Apr-20	9	23-May-20 A		
DDA - 1st Sub	0		08-Apr-20	0	,	02-Jun-20 A	
DDA - Further information required by SO	12	07-May-20	· ·	-	04-Jul-20 A		
DDA - 2nd Sub	0		20 May 20		+	15-Jul-20 A	
DDA - 2nd Review by SO	35	21-May-20	-	52	16-Jul-20 A		
DDA - SO Consent for Construction	0		24-Jun-20	0		05-Sep-20	- + + - + + - + - + - + + - + - + - + + + + - +
DDA - D&BR / D&BL Tunnel - Lining & Internal Structure	136	09-Apr-20	22-Sep-20	-	22-May-20 A		
DDA - Draft - Preparation by Designer	42	09-Apr-20	02-Jun-20		3		
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DDA - Draft - Final Review and prepare for 1st Sub	18	03-Jun-20	23-Jun-20	18	07-Sep-20		
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DDA - Review by GEO via SO	28	24-Jun-20	21-Jul-20	28	27-Sep-20	24-Oct-20	
DDA - Review by IP / DC	28	24-Jun-20	21-Jul-20	28	27-Sep-20	24-Oct-20	
DDA - Further information required by SO	24	22-Jul-20	18-Aug-20	24	27-Oct-20	23-Nov-20	
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DDA - 2nd Review by SO	35	19-Aug-20	22-Sep-20	35	24-Nov-20	28-Dec-20	
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DDA - Temporary Blast Door	73	13-Feb-20	14-May-20	59	10-Mar-20 A	23-May-20 A	A DDA - Temporary Blast Door
DDA - Draft - Final Review and prepare for 1st Sub	18	13-Feb-20	04-Mar-20	1	10-Mar-20 A	10-Mar-20 A	A 📮 I DDA - Draft - Final Review and prepare for 1st Sub
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Page 21 of 30 Milestone	Summary	,	1				Date Revision Checked Approved

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Actual Milestone

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

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Date	Revision	Checked	Approved
)5-Nov-19	00V0	WYu	
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22-Feb-20	01V0	SPa/LLo	WYu
)9-Apr-20	01V1	SPa/LLo	WYu
7-Jul-20	01V2	SPa/LLo	WYu

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish			2020			-				2021	
			1		/		March April 01 08 15 22 29 05 12 19 26	May June 26 03 10 17 24 31 07 14 21	July 21 28 05 12 19 26	August	September	October	Novem			January February	y March 21 28 07 14 21 !8
EAST VENTILATION BUILDING [EVB]	380	09-Jan-20	23-Apr-21	361	09-Jan-20 A	27-Mar-21											21 20 07 1.2.
AIP EVB - Permanent Structure	212	09-Jan-20	24-Sep-20	196	09-Jan-20 A	05-Sep-20						AIP EVB - Perm	anent Struct	ture	·		
AIP - Draft - Preparation by Designer	42	09-Jan-20	29-Feb-20	53	09-Jan-20 A	13-Mar-20 A	A AIP - Draft - Preparation	Jn by Designer				+ +			·	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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DDA - EVB - General Building Plan	138	25-Sep-20	15-Mar-21	141		· ·									<u></u>	<u></u>	V DDA -
DDA - Draft - Preparation by Designer	36	· ·	09-Nov-20	36		20-Oct-20	4		+++++++++++++++++++++++++++++++++++++++			<u>+ </u>)A - Draft - Pre	naration by De	esianer	
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DDA - EVB - ABWF	36	23-Feb-21	09-Apr-21	36		17-Mar-21											····
DDA - Draft - Preparation by Designer	36		09-Apr-21	36		17-Mar-21								· - <u></u>			·····
TUNNEL E&M INSTALLATION & COMMISSIONING	392		30-Apr-21	397		,											
AIP - Overall E&M Design	204		08-Sep-20	230							AIP - Ov	verall E&M Desig	n			·····	
AIP - Draft - Preparation by Designer	97	02-Jan-20	04-May-20					AIP - Draft - Preparation by									
AIP - Draft - Final Review and prepare for 1st Sub	24	05-May-20	01-Jun-20	36	02-May-20 A				- Draft - Final Revie	ew and prepare fo	or 1st Sub						
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AIP - E&M Tunnel Ventilation Design	214	02-Jan-20	19-Sep-20	230	02-Jan-20 A	10-Oct-20					→ A	IP - E&M Tunnel	Ventilation E	Design			
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Page 22 of 30 Milestone	Summary	1	1											Date	Revisio	on Checked	Approved

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

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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	1		2020			2021]
		UTVE Glari	010211.000		oturt	1 mar.		March	April May June July	August		ovember December January February	March
DDA - E&M Tunnel Ventilation Design	161	21-Sep-20	10-Apr-21	163	12-Oct-20	03-May-21	0110	08 15 22 29	<u>05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26</u>	02 09 10		8 15 22 29 06 13 20 27 03 10 17 24 31 07 14 21 28	3 0/ 14 21 3
DDA - Draft - Preparation by Designer	48	21-Sep-20	18-Nov-20	48	12-Oct-20	07-Dec-20						DDA - Draft - Preparation by Designer	
DDA - Draft - Final Review and prepare for 1st Sub	24	19-Nov-20	16-Dec-20	24	08-Dec-20	07-Jan-21						DDA - Draft - Final Review ar	nd prepare for
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DDA - Review by SO	28	17-Dec-20	13-Jan-21	28	08-Jan-21	04-Feb-21	+					DDA - Review	wby SO
DDA - Review by IP / DC	28	17-Dec-20	13-Jan-21	28	08-Jan-21	04-Feb-21						DDA - Review	
DDA - Further information required by SO	42	14-Jan-21	06-Mar-21	42	05-Feb-21	29-Mar-21							
DDA - 2nd Sub	0		06-Mar-21	0		29-Mar-21	<u>-</u>						♦ ♦
DDA - 2nd Review by SO	35	07-Mar-21	10-Apr-21	35	30-Mar-21	03-May-21							
AIP - E&M Air Purification System (WVB)	223	02-Jan-20	03-Oct-20	230	02-Jan-20 A	10-Oct-20					AIP - E&M Air Puri	fication System (WVB)	
AIP - Draft - Preparation by Designer	118	02-Jan-20	28-May-20	95	02-Jan-20 A	30-Apr-20 A	+-		AIP - Draft - Preparation by Desi	iner			++-
AIP - Draft - Final Review and prepare for 1st Sub	24	29-May-20	26-Jun-20	35	02-May-20 A	11-Jun-20 A			AIP - Draft - Fina	6	l prepare fαr 1st Sub		
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AIP - Review by SO	28	27-Jun-20	24-Jul-20	34	12-Jun-20 A	15-Jul-20 A				P - Review b	by SD		
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AIP - Update & prepare for 2nd Sub	36	25-Jul-20	04-Sep-20	51	16-Jul-20 A	12-Sep-20	+					d Sub	-++-
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DDA - E&M Air Purification System (WVB)	149	03-Oct-20	07-Apr-21	149	12-Oct-20	15-Apr-21							· · · · · · · · · · · · · · · · · · ·
DDA - Draft - Preparation by Designer	48	03-Oct-20	28-Nov-20	48	12-Oct-20	07-Dec-20						DDA' - D'raft - Preparation by Designer	
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DDA - Review by IP / DC	28	13-Dec-20	09-Jan-21	-									
DDA - Further information required by SO	42	11-Jan-21	03-Mar-21	42	19-Jan-21	11-Mar-21							DDA - Fi
DDA - 2nd Sub	0	04.1401	03-Mar-21	0	10 14 - 01	11-Mar-21							◆ DDA - 2r
DDA - 2nd Review by SO	35	04-Mar-21	07-Apr-21	35	12-Mar-21	15-Apr-21							
AIP - E&M Fire Services Installation	144	15-Jun-20	04-Dec-20	156	01-Jun-20 A	04-Dec-20						AIP - E&M Fire Services Installation	-+++-
AIP - Draft - Preparation by Designer	48	15-Jun-20	11-Aug-20	60	01-Jun-20 A	11-Aug-20 A				AIP;-	- Draft - Preparation by Designer AIP - Draft - Final Review and p		
AIP - Draft - Final Review and prepare for 1st Sub	24	12-Aug-20	08-Sep-20	24	12-Aug-20 A	· ·							· · · · · · · · · · · · · · · · · · ·
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AIP - Update & prepare for 2nd Sub	26	07-Oct-20	06-Nov-20	26	07-Oct-20	06-Nov-20						AIP - Update & prepare for 2nd Sub	
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AIP - SO Consent for DDA Submission	0	05 D 00	04-Dec-20	0	05 D 00	04-Dec-20						AIP - SO Consent for DDA Submission	
DDA - E&M Fire Services Installation	101	05-Dec-20	13-Apr-21	101	05-Dec-20	13-Apr-21							
DDA - Draft - Preparation by Designer	30	05-Dec-20	12-Jan-21	30	05-Dec-20	12-Jan-21						DDA - Draft - Preparation	, , , , , , , , , , , , , , , , , , ,
DDA - Draft - Final Review and prepare for 1st Sub	18	13-Jan-21	02-Feb-21	18	13-Jan-21	02-Feb-21						DDA - Draft - F	
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DDA - Review by IP / DC	28	03-Feb-21	02-Mar-21	28	03-Feb-21	02-Mar-21							DDA - Reviev
DDA - Further information required by SO	32	03-Mar-21	13-Apr-21	32	03-Mar-21	13-Apr-21	 ¦.			<u> </u>	<u></u>		- + + + + -
AIP - E&M MVAC	132	15-Jun-20	20-Nov-20	144	01-Jun-20 A	20-Nov-20	 ;.					AIP - E&M MVAC	
AIP - Draft - Preparation by Designer	48	15-Jun-20	11-Aug-20	60	01-Jun-20 A	11-Aug-20 A	 			AIP	- Draft - Preparation by Designer		· · · · · · · · · · · · · · · · · · ·
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AIP - Update & prepare for 2nd Sub	18	03-Oct-20	23-Oct-20	18	03-Oct-20	23-Oct-20					AIP - U	pdate & prepare for 2nd Sub	
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ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron

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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start Finish 2020					-	202	1						
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AIP - 2nd Sub	0		23-Oct-20	0		23-Oct-20		15 22 29 05 12 19 26	03 10 17 24 31 07	14 21 28 05 1	2 19 20	02 09 16 23	30 00 13 20	27 04 11 18 25 AIF	- 2nd;Sub	29 06 13 20 27 03 10 1	/ 24 31 0/ 1	4 21 28 07 14 21
AIP - 2nd Review by SO	28	24-Oct-20	20-Nov-20	28	24-Oct-20	20-Nov-20	+									IP - 2nd Review by SO		
AIP - SO Consent for DDA Submission	0	21 000 20	20-Nov-20	0	21 0 01 20	20-Nov-20									♦ ♦	IP - SO Consent for DDA Sub	mission	
DDA - E&M MVAC	128	21-Nov-20	30-Apr-21	128	21-Nov-20	30-Apr-21						 				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
DDA - Draft - Preparation by Designer	32	21-Nov-20	30-Dec-20	32	21-Nov-20	30-Dec-20						 			+	DDA - Dr	aft - Preparation	n by Designer
DDA - Draft - Final Review and prepare for 1st Sub	17	31-Dec-20	20-Jan-21	17	31-Dec-20	20-Jan-21						 			++	+, +,		Final Review and p
DDA - 1st Sub	0		20-Jan-21	0		20-Jan-21	1									+ +	DDA - 1st Su	- 4 14 4 4 14 14
DDA - Review by SO	28	21-Jan-21	17-Feb-21	28	21-Jan-21	17-Feb-21		·····	· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·		DDA-Reviewby
DDA - Review by IP / DC	28	21-Jan-21	17-Feb-21	28	21-Jan-21	17-Feb-21	1	·····	· · · - · - · - · · - · · · · ·			· · · · · · · · · · · · · · · · · · ·				· - · · · · · · · · · · · · · · · · · ·		DDA-Reviewby
DDA - Further information required by SO	32	18-Feb-21	26-Mar-21	32	18-Feb-21	26-Mar-21	1									· · · · · · · · · · · · · · · · · · ·		
DDA - 2nd Sub	0		26-Mar-21	0		26-Mar-21	1								+++	+++-++++++++++++++++++++++-++-++++		
DDA - 2nd Review by SO	35	27-Mar-21	30-Apr-21	35	27-Mar-21	30-Apr-21									+++	+		
AIP - E&M Plumbing & Drainage System	133	15-Jun-20	21-Nov-20	145	01-Jun-20 A	21-Nov-20		$\frac{1}{2}$! <u>-</u> 			A	P - E&M Plumbing & Draina	e System	
AIP - Draft - Preparation by Designer	46	15-Jun-20	08-Aug-20	58	01-Jun-20 A	08-Aug-20 A		++++++++++++++++++	· · · · · · · · · · · · · · · · · · ·			📕 AIP - Dra	t - Preparation	by Designer		+ + - +		
AIP - Draft - Final Review and prepare for 1st Sub	18	10-Aug-20	29-Aug-20	18	10-Aug-20 A	29-Aug-20 A		<u></u>					AIP - Draft - F	inal Review and pre	pare for 1st S	ub		- 4 4 4 1
AIP - Review by SO	28	30-Aug-20	26-Sep-20	28	31-Aug-20	27-Sep-20								AIP - Review by	50	*		
AIP - 1st Sub	0		29-Aug-20	0		31-Aug-20	1					;	AIP - 1st Sut		+++	+		
AIP - Review by IP / DC	28	30-Aug-20	26-Sep-20	28	31-Aug-20	27-Sep-20	1	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ -						AIP - Review by I	P/DC	+		
AIP - Update & prepare for 2nd Sub	22	28-Sep-20	24-Oct-20	22	28-Sep-20	24-Oct-20		$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ -				!! ! ! ! ! ! ! ! ! !			- Update & p	repare for 2nd \$ub		
AIP - 2nd Sub	0		24-Oct-20	0		24-Oct-20		J			l L I I I I	J l l J 		🔷 Alf	2nd Sub	<u>+</u>		
AIP - 2nd Review by SO	28	25-Oct-20	21-Nov-20	28	25-Oct-20	21-Nov-20	1	·····							A	IP - 2nd Review by SO		
AIP - SO Consent for DDA Submission	0		21-Nov-20	0		21-Nov-20	1								🔷 A	IP - SO Consent for DDA Sub	mission	
DDA - E&M Plumbing & Drainage System	123	23-Nov-20	26-Apr-21	123	23-Nov-20	26-Apr-21									· · · · · · · · · · · · · · · · · · ·	+		
DDA - Draft - Preparation by Designer	24	23-Nov-20	19-Dec-20	24	23-Nov-20	19-Dec-20		++-+++++++++++							++++	DDA - Draft - P	eparation by D	esigner
DDA - Draft - Final Review and prepare for 1st Sub	17	21-Dec-20	12-Jan-21	17	21-Dec-20	12-Jan-21		++++++++++++				!! ! ! ! ! ! ! ! ! !					DA - Draft - Fina	al Review and prepar
DDA - 1st Sub	0		12-Jan-21	0		12-Jan-21	1	J I 4			l b 1 1 1 1	4 la la				🔷 DI	DA - 1 st Sub	
DDA - Review by SO	28	13-Jan-21	09-Feb-21	28	13-Jan-21	09-Feb-21	1	4 + + + + +				4kk4 1			+	•	DI	DA - Review by SO
DDA - Review by IP / DC	28	13-Jan-21	09-Feb-21	28	13-Jan-21	09-Feb-21												DA - Review by IP / [
DDA - Further information required by SO	32	10-Feb-21	22-Mar-21	32	10-Feb-21	22-Mar-21		<u></u>								+		<u></u>
DDA - 2nd Sub	0		22-Mar-21	0		22-Mar-21	1					{				++		♦
DDA - 2nd Review by SO	35	23-Mar-21	26-Apr-21	35	23-Mar-21	26-Apr-21						/						
AIP - E&M Electrical Installation	101	24-Aug-20	22-Dec-20	101	24-Aug-20 A	22-Dec-20		+ + - + + +					+		+	AIP - E&M Ele	ectrical Installat	ioh
AIP - Draft - Preparation by Designer	24	24-Aug-20	19-Sep-20	24	24-Aug-20 A	19-Sep-20							A	P - Draft - Preparati	on by Designe	н		
AIP - Draft - Final Review and prepare for 1st Sub	12	21-Sep-20	06-Oct-20	12	21-Sep-20	06-Oct-20		· · · · · · · · · · · · · · · · · · ·						AIP - Draft	Final Review a	and prepare for 1st Sub		
AIP - 1st Sub	0		06-Oct-20	0		06-Oct-20		<u></u>						AIP - 1st Sut				
AIP - Review by SO	28	07-Oct-20	03-Nov-20	28	07-Oct-20	03-Nov-20									AIP - Revie	w by SO		
AIP - Review by IP / DC	28	07-Oct-20	03-Nov-20	28	07-Oct-20	03-Nov-20									AIP - Revie			
AIP - Update & prepare for 2nd Sub	18	04-Nov-20	24-Nov-20	18	04-Nov-20	24-Nov-20										AIP - Update & prepare for 2	nd Sulp	
AIP - 2nd Sub	0		24-Nov-20	0		24-Nov-20										AIP - 2nd Sub		
AIP - 2nd Review by SO	28	25-Nov-20	22-Dec-20	28	25-Nov-20	22-Dec-20										AIP - 2nd Rev	iew by SO	
AIP - SO Consent for DDA Submission	0		22-Dec-20	0		22-Dec-20										🔷 AIP - SO Con		ubmission
DDA - E&M Electrical Installation	100	23-Dec-20	29-Apr-21	100	23-Dec-20	29-Apr-21										V		
DDA - Draft - Preparation by Designer	25	23-Dec-20	23-Jan-21	25	23-Dec-20	23-Jan-21											📕 DDA - Draf	t - Preparation by De
DDA - Draft - Final Review and prepare for 1st Sub	18	25-Jan-21	17-Feb-21	18	25-Jan-21	17-Feb-21												I DDA - Draft - Fina
DDA - 1st Sub	0		17-Feb-21	0		17-Feb-21												> DDA - 1st Sub
DDA - Review by SO	28	18-Feb-21	17-Mar-21	28	18-Feb-21	17-Mar-21												
DDA - Review by IP / DC	28	18-Feb-21	17-Mar-21	28	18-Feb-21	17-Mar-21												
DDA - Further information required by SO	33	18-Mar-21	29-Apr-21	33	18-Mar-21	29-Apr-21												
AIP CLP Submission - Power Supply to EVB & WVB	91	05-Sep-20	23-Dec-20	89	14-Sep-20	31-Dec-20							V			AIP CLP Sub	mission - Powe	er Supply to EVB & V
AIP - Draft - Preparation by Designer	18	05-Sep-20	25-Sep-20	18	14-Sep-20	06-Oct-20								AIP - Draft				
AIP - Draft - Final Review and prepare for 1st Sub	12	26-Sep-20	12-Oct-20	12	07-Oct-20	20-Oct-20										Review and prepare for 1st Su	þ	
AIP - 1st Sub	0		12-Oct-20	0		20-Oct-20								♦ AIP	1st Sub			
1																ata David		
Page 24 of 30	Summary	·				. –			, , , ,						05-No	ate Revision	Checked WYu	Approved

Data Date: 30-Aug-20

tual Milestone tual Work

> seline Milestone Baseline Bar

icalActivity

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

BOUYGUES

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169	

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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish						2020			-				2021	
							01	March 08 15 2	22 29 (April May	June 31 07 14 2	July 1 28 05 12		August	September 30 06 13 20	October	November 01 08 15 22		Lary February	March
AIP - Review by SO	28	13-Oct-20	09-Nov-20	28	21-Oct-20	17-Nov-20						. 20 00 12		0, 10 20						
AIP - Review by IP / DC	28	13-Oct-20	09-Nov-20	28	21-Oct-20	17-Nov-20	0			\\ 	+						AIP	Review by IP / DC		
AIP - Update & prepare for 2nd Sub	14	10-Nov-20	25-Nov-20	14	18-Nov-20	03-Dec-20	0			· · · ↓ · · ↓ · ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ -	L		· · · · · · · · · · · · · · · · · · ·		· 4 4 1 · · · · · · · · · · · · · · · · · · ·			🗖 AIP - Update & prepa	re for 2nd Sub	
AIP - 2nd Sub	0		25-Nov-20	0		03-Dec-20	0			++++++++++++++++++++++++++++++					+			◆ AIP - 2nd Sub		
AIP - 2nd Review by SO	28	26-Nov-20	23-Dec-20	28	04-Dec-20	31-Dec-20	0									• • • • • • • • • • • • • • • • • • •		- AIP - 2	2nd Review by \$O	
AIP - SO Consent for DDA Submission	0		23-Dec-20	0		31-Dec-20	0											♦ AIP -	SO Consent for DDA S	ubmission
DDA CLP Submission - Power Supply to EVB & WVB	100	24-Dec-20	30-Apr-21	100	02-Jan-21	07-May-21	1											V		
DDA - Draft - Preparation by Designer	24	24-Dec-20	23-Jan-21	24	02-Jan-21	29-Jan-21	1									+			DDA - Draft -	Preparation by De
DDA - Draft - Final Review and prepare for 1st Sub	18	25-Jan-21	17-Feb-21	18	30-Jan-21	23-Feb-21	1													DDA - Draft - Fina
DDA - 1st Sub	0		17-Feb-21	0		23-Feb-21	1													DDA - 1 stSub
DDA - Review by SO	28	18-Feb-21	17-Mar-21	28	24-Feb-21	23-Mar-21	1												: : : : : : ===	;D
DDA - Review by IP / DC	28	18-Feb-21	17-Mar-21	28	24-Feb-21	23-Mar-21	1													D
DDA - Further information required by SO	34	18-Mar-21	30-Apr-21	34	24-Mar-21	07-May-21	1													-=
AIP - E&M Tunnel Lighting Design	148	31-Aug-20	01-Mar-21	148	31-Aug-20	01-Mar-21	1													🗸 AIP - E&M Tu
AIP - Draft - Preparation by Designer	34	31-Aug-20	10-Oct-20	34	31-Aug-20	10-Oct-20)									AiP - Dra	aft - Preparation	by Designer		
AIP - Draft - Final Review and prepare for 1st Sub	24	12-Oct-20	09-Nov-20	24	12-Oct-20	09-Nov-20	0										AIP - Dr	aft - Final Review and prep	are for 1st Sub	
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AIP - Review by SO	28	10-Nov-20	07-Dec-20	28	10-Nov-20	07-Dec-20												AIP - Review by SC)	
AIP - Review by IP / DC	28	10-Nov-20	07-Dec-20	28	10-Nov-20	07-Dec-20	i			· · · · · · · · · · · · · · · · · · ·			· · · · · ·					AIP Review by IP		
AIP - Update & prepare for 2nd Sub	45	08-Dec-20	01-Feb-21	45	08-Dec-20	01-Feb-21	+													ie & prepare for 2r
AIP - 2nd Sub	0		01-Feb-21	0		01-Feb-21	1												🔷 AIP - 2nd S	
AIP - 2nd Review by SO	28	02-Feb-21	01-Mar-21	28	02-Feb-21	01-Mar-21	+												· · · · · · · · · · · · · · · · · · ·	AIP - 2nd Rev
AIP - SO Consent for DDA Submission	0		01-Mar-21	0		01-Mar-21										· · · · · · · · · · · · · · · · · · ·				🔷 AIP - SO Con:
DDA - E&M Tunnel Lighting Design	34	02-Mar-21	14-Apr-21	34	02-Mar-21	14-Apr-21	i									· · · · · · · · · · · · · · · · · · ·				V
DDA - Draft - Preparation by Designer	22	02-Mar-21	26-Mar-21	22	02-Mar-21	26-Mar-21	1			· · · · · · · · · · · · · · · · · · ·										
DDA - Draft - Final Review and prepare for 1st Sub	12	27-Mar-21	14-Apr-21	12	27-Mar-21	14-Apr-21					++++-		· · · · · ·		++	· · · · · · · · · · · · · · · · · · ·	+	· · · · · · · · · · · · · · · · · · ·		—
AIP - E&M CMCS	118	10-Nov-20	07-Apr-21	118	10-Nov-20	07-Apr-21	÷ ÷								+					
AIP - Draft - Preparation by Designer	41	10-Nov-20	29-Dec-20	41	10-Nov-20	29-Dec-20									+	+		AIP - D	raft - Preparation by De	
AIP - Draft - Final Review and prepare for 1st Sub	18	30-Dec-20	20-Jan-21	18	30-Dec-20	20-Jan-21				· · · · · · · · · · · · · · · · · · ·						;			🔳 AIP - Draft - Final	Review and prepa
AIP - 1st Sub	0		20-Jan-21	0		20-Jan-21	1												♦ AIP - 1st Sub	· · · · · · · · · · · · · · · · · · ·
AIP - Review by SO	28	21-Jan-21	17-Feb-21	28	21-Jan-21	17-Feb-21														P - Review by SO
AIP - Review by IP / DC	28	21-Jan-21	17-Feb-21	28	21-Jan-21	17-Feb-21									++	*				P - Review by IP /
AIP - Update & prepare for 2nd Sub	38	18-Feb-21	07-Apr-21	38	18-Feb-21	07-Apr-21				· · · · · · · · · · · · · · · · · · ·			, , , , , , , , , , , , , , , , , , ,		-	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		· · · · · · · · · · · · · · · · · · ·		
SOUTH APRON EXTERNAL WORKS	420	07-Jan-20	09-Jun-21	522	10-Jan-20 A	15-Oct-21	1				 		 							
Building Demolition	59	07-Jan-20	18-Mar-20	35	10-Jan-20 A	22-Feb-20 A	A		3uiļdinģ	g Demolition										
Preparation	18	07-Jan-20	30-Jan-20	7	10-Jan-20 A	17-Jan-20 A	A													
Hoarding installation	18	07-Jan-20	30-Jan-20	7	10-Jan-20 A	17-Jan-20 A	A llatic													
Building Demolition	41	31-Jan-20	18-Mar-20	28	18-Jan-20 A	22-Feb-20 A	Α	 [3uilding '	g Demolition										
Building demolition in Portion D1, D2 & D4	24	31-Jan-20	27-Feb-20	22	18-Jan-20 A	15-Feb-20 A				h in Portion D1, D2 & D4										
Building Demolition - Commencement	0	31-Jan-20		0	31-Jan-20 A		litia	1 - Comr	imencem	ment										
Hoarding removal & Site Clearance	17	28-Feb-20	18-Mar-20	6	17-Feb-20 A	22-Feb-20 A				ng removal & Site Clearance										
Section 12 Achievement	0		18-Mar-20	0		22-Feb-20 A		\$	Section 1	12 Achievement									·	
Road S20	296	01-Jun-20	31-May-21	315	31-Aug-20	21-Sep-21	i									· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·
CUE	245	01-Aug-20	31-May-21	245	24-Nov-20	21-Sep-21	i													
CUE Typical Section ELS (Preboring)	36	01-Aug-20	11-Sep-20	36	24-Nov-20	07-Jan-21												Cl	JE Typical Section ELS	(Preboring)
CUE Typical Section ELS (Sheet pile)	50	12-Sep-20	12-Nov-20	50	08-Jan-21	10-Mar-21	+									+			·	СИЕ Тур
CUE Entrance Section ELS (Sheet pile)	15	13-Nov-20	30-Nov-20	15	11-Mar-21	27-Mar-21	1													
CUE Pump Test	24	01-Dec-20	30-Dec-20	24	29-Mar-21	29-Apr-21	÷			· · · · · · · · · · · · · · · · · · ·									· · · · · · · · · · · · · · · · · · ·	
CUE Excavation	48	31-Dec-20	01-Mar-21	48	30-Apr-21	28-Jun-21													· · · · · · · · · · · · · · · · · · ·	
CUE Typical Section & Entrance Structure	72	02-Mar-21	31-May-21	72	29-Jun-21	21-Sep-21	+				<u> </u>					+	· +	· <u></u>	<u></u>	
Road & Drain	270	01-Jun-20	28-Apr-21	270	31-Aug-20	30-Jul-21		· · · · · ·					 			+				
Stage 1	108	01-Jun-20	08-Oct-20	108	31-Aug-20	09-Jan-21	1				Y					▼ Stage 1				
♦ ♦ Baseline Milestone								ner	nts a	and Infrastru at South Ap ing Program	ron	e Woi	rks		BOUY	GUES	D 05-No 18-De 22-Fe 09-Ap 17-Jul	c-19 00V1 b-20 01V0 r-20 01V1	SPa/LLo	Approved WYu WYu WYu WYu
					1110															

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start				2021
							March April May June July 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26	August September October November 6 02 09 16 23 30 06 13 20 27 04 11 18 25 01 08 15 22 29	December January February March 06 13 20 27 03 10 17 24 31 07 14 21 28 07 14 21 18
S20 Site Clearance / Trial pit / UU diversion	24	01-Jun-20	29-Jun-20	24	31-Aug-20*	26-Sep-20		S20 Site Clearance / Trial pit / UU d	
S20 Stage 1 (Sewerage)	18	30-Jun-20	21-Jul-20	18	28-Sep-20	20-Oct-20		S20 Stage 1 (Sewerac	e)
S20 Stage 1 (Drainage)	42	08-Jul-20	25-Aug-20	42	07-Oct-20	25-Nov-20		*************************************	0 Stage 1 (Drainage)
S20 Stage 1 (Watermain)	36	29-Jul-20	08-Sep-20	36	29-Oct-20	09-Dec-20			S20 Stage 1 (Watermain)
S20 Stage 1 (U channel, Catchpit, Gully)	24	12-Aug-20	08-Sep-20	24	12-Nov-20	09-Dec-20		·····································	S20 Stage 1 (U channel, Catchpit, Gully)
S20 Stage 1 (Roadworks)	24	09-Sep-20	08-Oct-20	24	10-Dec-20	09-Jan-21		··· ╡···· ◇··· ◇··· ◇··· ◇ ··· ◇··· ◇··	S20 Stage 1 (Roadworks)
Stage 2	108	09-Oct-20	19-Feb-21	108	11-Jan-21	26-May-21			✓ Stage:2
S20 Stage 2 (Sewerage)	12	09-Oct-20	22-Oct-20	12	11-Jan-21	23-Jan-21			S20 Stage 2 (Sewerage)
S20 Stage 2 (Drainage)	48	23-Oct-20	18-Dec-20	48	25-Jan-21	24-Mar-21			
S20 Stage 2 (Watermain)	48	21-Nov-20	19-Jan-21	48	25-Feb-21	26-Apr-21			
S20 Stage 2 (U channel, Catchpit, Gully)	24	19-Dec-20	19-Jan-21	24	25-Mar-21	26-Apr-21			
S20 Stage 2 (Roadworks)	24	20-Jan-21	19-Feb-21	24	27-Apr-21	26-May-21			
Stage 3	54	20-Feb-21	28-Apr-21	54	27-May-21	30-Jul-21		╌╠╌╶╬╌┊╴┊╴╴╣╴┊╴╡╴╶┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴╴┊╴╴	
S20 Stage 3 (Sewerage)	12	20 Feb-21	05-Mar-21	12	27-May 21	09-Jun-21	┠╌┊╌┊╌┊╌┊┨╴╬╌╬╌┊╌┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴	╌╠╌╌┾╌╶┾╌╶╣╴┾╌┥╌╶┾╴╴┾╴┝┼┼╌┾╌┊╴┽╴┼╴┼╴┼╴┼	╞╌╞╌╡╌┽╌ <mark>╞╌</mark> ┊╌┽╌╞╌┊╴┊╴ <mark>┊╴┊╴</mark> ┊╴╡╴┼╴┊
S20 Stage 3 (Drainage)	12	06-Mar-21	26-Mar-21	12	10-Jun-21	09-Juli-21 02-Jul-21		╌╠╌╌┶╌┶╌╌╢╌┶╌┵╌┶╌┾╎┽╌┶╌┶╴┽╌┼╌┾╌┼╴┼	······································
S20 Stage 3 (Watermain)	24	27-Mar-21	28-Apr-21	24	03-Jul-21	30-Jul-21		╌┟╌╌┼╌╞╌╶┨╴┼╌┽╌┾╌┾╎┼╌┾╌┾╌┾╌┼╌┼╌┽╴┼	
AMAWBC	24	02-Jun-20	26-Apr-21 26-Apr-21	24	12-Oct-20	07-Jul-21			
Drainage & Sewerage	36		26-Api-21 15-Jul-20	36	12-Oct-20	23-Nov-20		nage & Sewerage	
		02-Jun-20						······································	in P. (Drainada & Souprado)
Section B (Drainage & Sewerage)	36	02-Jun-20	15-Jul-20	36	12-Oct-20	23-Nov-20	┝╍╞╍╡╍╞╍╞╍╞┙╞┟╌╪╍╪╍╞╌┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴╴		tion B (Drainage & Sewerage)
Outfall 1	36	11-Mar-21	26-Apr-21	36	25-May-21	07-Jul-21		╶┟╌┊╌┊╴╡╴┫╴┊╴╡╴┊╴┊╶┊╎	· · · · · · · · · · · · · · · · · · ·
Outfall 1 Excavation & Blinding	36	11-Mar-21	26-Apr-21	36	25-May-21	07-Jul-21			
[STE] District Cooling System for AMAWBC Section 6B	246	10-Aug-20	09-Jun-21	286	31-Aug-20	18-Aug-21			
DCS Section 6B	246	10-Aug-20	09-Jun-21	286	31-Aug-20	18-Aug-21			
DCS - Material Procurement for Section 6B	96	10-Aug-20	02-Dec-20	96	31-Aug-20	23-Dec-20			DCS - Material Procurement for Section 6B
DCS - Section D	78	03-Dec-20	10-Mar-21	78	16-Feb-21	24-May-21			
DCS - Section C	144	03-Dec-20	02-Jun-21	144	16-Feb-21	11-Aug-21			
DCS - Section A	72	11-Mar-21	09-Jun-21	72	25-May-21	18-Aug-21			
[STE] District Cooling System - Remaining Section 7B	96	17-Dec-20	19-Apr-21	121	17-Dec-20	20-May-21			V
Road L10S	96	17-Dec-20	19-Apr-21	121	17-Dec-20	20-May-21			
DCS - Material Procurement for Section 7B	96	17-Dec-20	19-Apr-21	96	17-Dec-20	19-Apr-21			
DCS - Pipe Installation under DPR	21	21-Jan-21	17-Feb-21	21	24-Apr-21	20-May-21			
Foot Bridge FB-02	105	02-Jan-21	13-May-21	232	02-Jan-21	15-Oct-21			
Temporary Ramp provision	72	02-Jan-21	30-Mar-21	72	02-Jan-21*	30-Mar-21			
FB-02 - Road L10 - H-pile Installation	48	13-Mar-21	13-May-21	48	18-Aug-21	15-Oct-21			
Coordinatied Access within Portion E (DSD Deslitining Compound)	0	13-Mar-21		0	18-Aug-21				♦
FB-02 - Portion E UU Diversion	48	13-Mar-21	13-May-21	48	18-Aug-21	15-Oct-21			
[STE] Hoi Bun Road / Cheung Yip Street / Wang Chiu Road J	60	19-Jan-21	01-Apr-21	60	28-Dec-20	11-Mar-21			
HBR / CYS / WCR TTA Phase 1	60	19-Jan-21	01-Apr-21	60	28-Dec-20	11-Mar-21			
AT-GRADE ROAD [AGR]	144	20-Jul-20	09-Jan-21	144	31-Aug-20	24-Feb-21			AT-GRADE ROAD [AGR]
Permanent Structure	144	20-Jul-20	09-Jan-21	144	31-Aug-20	24-Feb-21		······································	▼ Permanent Structure
AGR - Formation to required level + SRT	18	20-Jul-20	08-Aug-20	18	31-Aug-20	19-Sep-20		AGR - Formation to required level + \$R	······································
AGR - Sub-base + SRT	18	10-Aug-20	29-Aug-20	18	21-Sep-20	13-Oct-20		AGR - Sub-base + SRT	
AGR - Drainage & Gully Installation part 1	24	31-Aug-20	26-Sep-20	24	14-Oct-20	11-Nov-20		µ	nage & Gully Installation part 1
AGR - Drainage & Gully Installation part 1	24	28-Sep-20	28-Oct-20	24	12-Nov-20	09-Dec-20			AGR - Drainage & Gully Installation part 2
AGR - Base Slab Structure part 1	60	28-Sep-20	09-Dec-20	60	12-Nov-20	23-Jan-21			AGR - Base Slab Structure part 1
AGR - Base Slab Structure part 2	60	29-Oct-20	09-Jan-21	60	10-Dec-20	23-5ah 21 24-Feb-21			AGR - Base Slat
Stage 2B Completion	0	2, 00, 20	09-Jan-21	0		24-Feb-21		╌╠╌╶┶╶╞╶╴┇╴╴╢╴┧╴╽╴┧╴╞╶╞╎┧╴┾╴╴┥╴┥╴┥╴┥╴┥╴┤	♦ Stage 2B Complete
DEPRESSED ROAD [DPR]	362	06-Mar-20	28-May-21	435	06-Mar-20 A	24-Aug-21			
ELS system & Foundation			,	240		23-Dec-20		🗸 ELS system & Foundation	╞╌╴╞╌╴┪╌╴┪╴╴┟╞╶╴┝╌╴┝╴╴╣╴╴┝╌╴┥╴╴┥╴╴╢╴╴┼╴╴┥╴╴╎╴
	167	06-Mar-20	25-Sep-20						
Mobilization	24	06-Mar-20	02-Apr-20	62		23-May-20 A	Mobilization	Hoot bild Installation 50% complete	
DPR - Sheet pile Installation 50% complete	42	21-May-20	10-Jul-20	65	22-Apr-20 A	10-Jul-20 A		Reet pile Installation 50% complete	
		I						Date	Revision Checked Approved
	Summon								Revision Linecked Annroved

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Summary inned Bar

Milestone ual Work

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

BOUYGUES

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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish		2020 2021
		/					March 01 08 15 22	April May June July August September October November December January February March 12 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 03 10 17 24 31 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07 14 21 28 07
DPR - Sheet pile Installation 100% complete	42	11-Jul-20	28-Aug-20	61	11-Jul-20 A	19-Sep-20		DPR - Sheet;pile;Installation;100% complete
DPR - Predrill for H-piles foundation	24	04-May-20	30-May-20	24	31-Aug-20	26-Sep-20		DPR + Predrill for H-piles foundation
DPR - H-pile Drilling / Installation / Grouting	24	01-Aug-20	28-Aug-20	24	29-Oct-20	25-Nov-20		PPR - H-pile Drilling / Installation / Grouting
DPR - Pile Load Test	10	29-Aug-20	09-Sep-20	10	26-Nov-20	07-Dec-20		DPR - Pile Load Test
DPR - King Post for ELS	24	29-Aug-20	25-Sep-20	24	26-Nov-20	23-Dec-20		DPR - King Post for ELS
Excavation & Strutting	143	10-Sep-20	05-Mar-21	143		05-Jun-21		
DPR - Pump wells & Pump test	36	10-Sep-20	23-Oct-20	36	08-Dec-20	21-Jan-21		DPR-Pump wells & Pump test
DPR - CH5962-6008 - Excavation S1	24	24-Oct-20	21-Nov-20	24	22-Jan-21	22-Feb-21		ØPR-CH5962-60
DPR - CH6008-6080 - Excavation to Strut S1	21	24-Oct-20	18-Nov-20	21	22-Jan-21	18-Feb-21		DPR-CH6008-608(
DPR - CH6080-6150 - Excavation to S1	18	24-Oct-20	14-Nov-20	18	22-Jan-21	11-Feb-21		DPR - C H6080-61:50 + E
DPR - CH6080-6150 - Strut S1 Installation	12	16-Nov-20	28-Nov-20	12	16-Feb-21	01-Mar-21		DPR - CiH608
DPR - CH6008-6080 - Strut S1 Installation	12	19-Nov-20	02-Dec-20	12	19-Feb-21	04-Mar-21		
DPR - CH6080-6150 - Excavation to S2	12	30-Nov-20	12-Dec-20	12	02-Mar-21	15-Mar-21		
DPR - CH6008-6080 - Excavation to Strut S3	20	03-Dec-20	28-Dec-20	20	05-Mar-21	27-Mar-21		
DPR - CH6080-6150 - Strut S2 Installation	12	14-Dec-20	29-Dec-20	12	16-Mar-21	29-Mar-21		
DPR - CH6008-6080 - Strut S3 Installation	12	29-Dec-20	12-Jan-21	12	29-Mar-21	15-Apr-21		╶╴╪╎╴╪╴╴╪╴╶╪╶╶╪╴╴╪╴╴╪╴╴╪╴╴╪╴╴╪╴╴╪╴╴╪╴╴╪╴╴╪╴╴
DPR - CH6080-6150 - Excavation to S3	12	30-Dec-20	13-Jan-21	12	30-Mar-21	16-Apr-21		··┊┤┊╌┊╌┊╌┊╌┊╌┊╴┊╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴
DPR - CH6008-6080 - Excavation to FEL	7	13-Jan-21	20-Jan-21	7	16-Apr-21	23-Apr-21		╶╪┥╡╶┊╶┊╴┊╴┊╴┊╴┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╴
DPR - CH6080-6150 - Strut S3 Installation	12	14-Jan-21	27-Jan-21	12	17-Apr-21	30-Apr-21		╶╧╡╡╡╴╪╴╪╴╪╶╪╴╪╴╪╴╪╴╪╶╪╶╪╶╪╶╪╶╪╶╪╶╪╴╪╴╪╴╪╴
DPR - CH6080-6150 - Excavation to S4	12	28-Jan-21	10-Feb-21	12	03-May-21	15-May-21		
DPR - CH6080-6150 - Strut S4 Installation	12	11-Feb-21	27-Feb-21	12	17-May-21	31-May-21		╶┊┼┊╌┊╌┊╌┊╴┊╴┊╴┊╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴
DPR - CH6080-6150 - Excavation FEL	5	01-Mar-21	05-Mar-21	5	01-Jun-21	05-Jun-21		╌╪┼╶┊╌┊╌┊╌┊╴┊╴┊╴┊╶┊╴┊╶┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊
Permanent Structure	80	18-Feb-21	28-May-21	80	21-May-21	24-Aug-21		·· [↓] │· [↓] ·· [↓] ·· [↓] ·· [↓] ·· [↓] ·· [↓] ·· [↓]
DPR - CH5962-6080 - Base Slab	48	18-Feb-21	19-Apr-21	48	21-May-21 21-May-21	17-Jul-21		╌┊ <mark>┦╶┊╌┊╌┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊</mark>
DPR - CH5902-0000 - base Slab DPR - CH6080-6150 - Base Slab	66	06-Mar-21	28-May-21	66	07-Jun-21	24-Aug-21		
WEST VENTILATION BUILDING [WVB]	180	23-Oct-20	04-Jun-21	200		24-Aug-21 06-May-21		╌┊┼┊╌┊╌┊╌┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┋╴┇╴┇╴┊╴┊┟┊╴┊╶┊ _╋ ╌┝╶┥╌┇╴┥╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡╴╡
					5	, ,		╌╬ <mark>╴┊╌┊╌┊╌┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊╴┊</mark> ╴┊╴┊╴┊╴┊╴┊╶ <mark>┊╶╻┟╶┇╴┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊╶┊</mark>
ELS system & Foundation	180	23-Oct-20	04-Jun-21	200	5	06-May-21		
Mobilization & Predrilling for H-piles Foundation	48	23-Oct-20	18-Dec-20	48	31-Aug-20*	28-Oct-20		Mybil ization & Predril ing for H-piles foundation
WVB - H-piles Drilling / Installation / Grouting 50% completion	66	19-Dec-20	12-Mar-21	66	29-Oct-20	16-Jan-21		
WVB - Sheet Piles Installation 50% completion	48	24-Nov-20	21-Jan-21	48	06-Jan-21	05-Mar-21		
WVB - H-piles Drilling / Installation / Grouting 100% completion	66	13-Mar-21	04-Jun-21	60	18-Jan-21	12-Apr-21		
WVB - Sheet Piles Installation 100% completion	48	22-Jan-21	22-Mar-21	48	06-Mar-21	06-May-21		
SOUTH APRON ADIT	24	23-Mar-21	23-Apr-21	24	07-May-21	04-Jun-21	I	
South Apron Adit - Sheet piling	24	23-Mar-21	23-Apr-21	24	07-May-21	04-Jun-21		
SUPPORTING UNDERGROUND STRUCTURE [SUS	48	02-Jan-20	29-Feb-20	51	02-Jan-20 A	04-Mar-20 A		ING UNDERGROUND STRUCTURE [SUS]
Site Inspection	48	02-Jan-20	29-Feb-20	51	02-Jan-20 A	04-Mar-20 A	Site Inspect	
Condition Survey to verify SUS as-built	48	02-Jan-20	29-Feb-20	51	02-Jan-20 A	04-Mar-20 A	Condition	n Survey to verify SUS as-built
C&C TUNNEL / LAUNCHING SHAFT [C&C / LS]	379	02-Jan-20	15-Apr-21	325	12-Mar-20 A	19-Apr-21		
Dwall & Ground Treatment	352	02-Jan-20	10-Mar-21	298	12-Mar-20 A	13-Mar-21		
Site Establishment	112	02-Jan-20	21-May-20	142	12-Mar-20 A	02-Sep-20		▼ Site Eştablishment
CSM - Site Setup & Rig mobilization	18	23-Mar-20	16-Apr-20	25	12-Mar-20 A	14-Apr-20 A		CSM - Site Setup & Rig mobilization
Grout Curtain along Public Lab - Site Setup & Rig mobilization	18	23-Mar-20	16-Apr-20	16	23-Mar-20 A	14-Apr-20 A		Grout Curtain alorig Public Lab - Site Setup & Rig mobilization
Dwall - Site Setup & Rig mobilization	18	23-Mar-20	16-Apr-20	48	30-Mar-20 A	30-May-20 A		Dwall - Site Setup & Rig mobilization
Dwall Pre-drilling - Stage 1	12	30-Mar-20	16-Apr-20	27				
Dwall Pre-drilling - Stage 2	28	17-Apr-20	21-May-20	87	22-May-20 A			Dwall Pre-drilling - Stage 2
Site Investigation & Existing UU identification	36	02-Jan-20	15-Feb-20	6	3			Site Investigation & Existing UU identification
Existing UU Diversion / Removal	36	17-Feb-20	28-Mar-20	50	17-Jun-20 A	15-Aug-20 A		Existing UU Diversion / Removal
Grout Curtain along Public Lab	55	17-Apr-20	22-Jun-20	27		-		V Grout Curtain atong Public Lab:
Grout Curtain along Public Lab	43	04-May-20	22-Jun-20	25		15-May-20 A		Grout Curtain atong Public Lab
Rig mobilization at Portion N1,N2,N3	12	17-Apr-20	02-May-20	12	05-May-20 A	-		Rig mobilization; at Portion N1,N2,N3
Shaft Dwall	221	17-Apr-20	11-Jan-21	226	-	14-Jan-21		
	221	17-Api-20		220	13-Apr-20 A	14-Jall-2 I		
/								Data Pavisian Chacked Approved

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Milestone
 Summary
 Planned Bar

Actual Milestone
 Actual Work

Baseline Milestone
 Baseline Bar

riticalActivity

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

BOUYGUES TRAVAUX PUBLICS



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

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish	
							March April May June July August September October November December January February March 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 10 10 15 22 29 06 13 20 27 04 11 18 25 01 08 15 22 29 06 13 20 27 14 21 28 07 14 21 18 21 18 25 10 10 15 22 29 06 13 20 27 14 21 28 07 14 21 18 25 10 18 15 22 29 06 13 20 27 14 21 28 07 14
Rig mobilization at Portion N1,N2,N3	28	17-Apr-20	21-May-20	38	15-Apr-20 A	30-May-20 A	Rig mobilization at Portion N1.N2.N3
C&C/LS - Guide Wall Construction - Stage 1	28	17-Apr-20	21-May-20	104	02-May-20 A	02-Sep-20	C&C/L\$ - Guide Wall Construction - Stage 1
C&C/LS - Guide Wall Construction - Stage 2	69	22-May-20	12-Aug-20	108	15-May-20 A	19-Sep-20	C&C/LS + Guilde Wall Construction - Stage 2
C&C/LS - Dwall & Barrettes 20%	42	22-May-20	11-Jul-20	29	22-May-20 A	24-Jun-20 A	C&C/LS Dwall & Barrettes 20%
C&C/LS - Dwall & Barrettes 40%	38	13-Jul-20	25-Aug-20	20	25-Jun-20 A	20-Jul-20 A	C&C/L\$ - Dwall & Barrettes 40%
C&C/LS - Dwall & Barrettes 60%	38	26-Aug-20	10-Oct-20	29	21-Jul-20 A	22-Aug-20 A	C&C/LS - Dwall & Barrettes 60%
C&C/LS - Dwall & Barrettes 80%	38	12-Oct-20	25-Nov-20	81	24-Aug-20 A	28-Nov-20	C&C/LS - Dwall & Barrettes 80%
C&C/LS - Dwall & Barrettes 100%	37	26-Nov-20	11-Jan-21	37	30-Nov-20	14-Jan-21	C&C/LS - Dwall & Barrettes 100%
Break-in Plug	268	17-Apr-20	10-Mar-21	273	15-Apr-20 A	13-Mar-21	▼ Break-in
B/I Plug - CSM	66	17-Apr-20	07-Jul-20	109	15-Apr-20 A	24-Aug-20 A	
B/I Plug - Perimeter Wall + Separation Wall	47	12-Jan-21	10-Mar-21	47	15-Jan-21	13-Mar-21	
Shaft Excavation & Strutting	74	12-Jan-21	15-Apr-21	74	15-Jan-21	19-Apr-21	
C&C / LS Capping Beam / Pump Test - Lead Time	30	12-Jan-21	18-Feb-21	30	15-Jan-21	22-Feb-21	
Double Cells Shaft - Excavation - Stage 1 to below Concrete Strut	24	19-Feb-21	18-Mar-21	24	23-Feb-21	22-Mar-21 19-Mar-21	
C&C Shaft - Concete Strutting Slab + Excavation Step 1 C&C Shaft - Concete Strutting Slab + Excavation Step 2	22 22	19-Feb-21 17-Mar-21	16-Mar-21 15-Apr-21	22 22	23-Feb-21 20-Mar-21	19-Mar-21 19-Apr-21	
Cell 1 & Cell 2 Concrete Strutting Stat + Excavation Step 2	14	17-Mar-21 19-Mar-21	08-Apr-21	14	20-Mar-21 23-Mar-21	19-Apr-21 12-Apr-21	
SUB-SEA TBM TUNNEL - WESTBOUND	353	29-Feb-20	12-May-21	331	03-Apr-20 A	20-May-21	
TBM Design / Fabrication / FAT / Delivery	336	29-Feb-20	20-Apr-21	331	03-Apr-20 A	20-May-21	
Place Order	72	29-Feb-20 29-Feb-20	20-Apr-21 29-May-20	23	03-Apr-20 A	06-May-20 A	Place Order
Design	72	30-May-20	29-10/ay-20 24-Aug-20	121	07-May-20 A	26-Sep-20	
Fabrication	168	25-Aug-20	18-Mar-21		25-Aug-20 A	20-Apr-21	
FAT	24	19-Mar-21	20-Apr-21	24	21-Apr-21	20-May-21	
Precast Fabrication	168	12-Sep-20	10-Apr-21	168	12-Sep-20	10-Apr-21	
Concrete Mix - Plant Trial	72	12-Sep-20	08-Dec-20	72	12-Sep-20*	08-Dec-20	Coricrete Mix - Plant Trial
Precast TBM Segment - Mould Fabrication & Setup	72	12-Sep-20	08-Dec-20	72	12-Sep-20*	08-Dec-20	Precast TBM Segment - Mould Fabrication & Setup
Precast TBM Segment - Master Ring Erection & Inspection	24	09-Dec-20	08-Jan-21	24	09-Dec-20	08-Jan-21	Precast TBM Segment - Master Ring Erect
Precast TBM Segment - Mass Production Start	0	09-Jan-21		0	09-Jan-21		Precast TBM:Segment - Mass Production
Precast TBM Segment - 3%	36	09-Jan-21	23-Feb-21	36	09-Jan-21	23-Feb-21	Precast TBM Sec
Precast TBM Segment - 6%	36	24-Feb-21	10-Apr-21	36	24-Feb-21	10-Apr-21	
Site Establishment	306	29-Apr-20	12-May-21	317	20-Apr-20 A	15-May-21	
Temporary CLP 132kV Substation	264	04-Jun-20	24-Apr-21	294	20-Apr-20 A	16-Apr-21	
Temp CLP 132kV Substation - Earth works & Civil works	72	04-Jun-20	28-Aug-20	98	20-Apr-20 A	15-Aug-20 A	Temp: CLP 132kV Substation: - Earth works & Civil works
Temp CLP 132kV Substation - ABWF & E&M for CLP Access	72	29-Aug-20	24-Nov-20	76	17-Aug-20 A	16-Nov-20	Temp CLP 132kV Substation - ABWF & E&M for CLP Access
Temp CLP 132kV Substation - CLP Access	0	25-Nov-20		0	17-Nov-20		◆ Temp CLP 132kV Substation - CLP Access
Temp CLP 132kV Substation - CLP Transformer Setup & Final Fix	96	25-Nov-20	23-Mar-21	96	17-Nov-20	15-Mar-21	
Temp CLP 132kV Substation - FSD / WSD Inspection	24	24-Mar-21	24-Apr-21	24	16-Mar-21	16-Apr-21	
Precast Elements Storage Yard	72	18-Jun-20	11-Sep-20	72	31-Aug-20	25-Nov-20	▼ Precast Elements Storage Yard
Precast Storage - Preparation Precast Storage - Gantry Crane Setup	36 36	18-Jun-20	31-Jul-20 11-Sep-20	36 36	31-Aug-20* 14-Oct-20	13-Oct-20 25-Nov-20	Precast Storage - Greparation
Gantry Crane Setup for TBMAssembly		01-Aug-20		24	14-0ct-20 15-Mar-21	25-N0V-20 15-Apr-21	
Gantry Crane - Foundation	24 24	11-Mar-21	12-Apr-21 12-Apr-21	24	15-Mar-21	· ·	
Mortar Plant	36	11-Mar-21 25-Mar-21	12-Apr-21 12-May-21	36	15-Mar-21 29-Mar-21	15-Apr-21 15-May-21	
Mortar Plant - Civil works	36	25-Mar-21	12-May-21 12-May-21	36	29-Mar-21	15-May-21 15-May-21	
DG Store / Medical Lock	144	25-Wai-21 29-Apr-20	20-Oct-20	174	29-Mai-21 29-Apr-20 A	25-Nov-20	
Hyperbaric Intervention - LD consultation & Approval	144	29-Apr-20	20-Oct-20	174	29-Apr-20 A	25-Nov-20	Hyperbaric Intervention - LD consultation & Approval
Barging Point at Portion P	96	29-Api-20 29-Jul-20	20-Nov-20	96	31-Aug-20	23-Dec-20	Barging Point at Portion P
Barging Point - Foundation	36	29-Jul-20	08-Sep-20	36	31-Aug-20	13-Oct-20	Barging Point - Foundation
Barging Point - Spoil Ramp Installation	36	09-Sep-20	22-Oct-20	36	14-Oct-20	25-Nov-20	Barging Point - Spoil Ramp Installation
Barging Point - Commissioning	24	23-Oct-20	20-Nov-20	24	26-Nov-20	23-Dec-20	Barging Point + Commissioning
CHA KWO LING ROAD WORKS	220	25-Feb-20	20-Nov-20	257	25-Feb-20 A	06-Jan-21	🗸 🗸 🗸 🗸 🗸 🗸 🗸 🗸 🗸 🗸 🗸 🖌 🗸 🗸 🗸 🗸 🖌 🗸 🗸 🖌 🕹
TTA Phasing	0		25-Feb-20	0		25-Feb-20 A	TTA Phasing
Page 28 of 30 ♦ ♦ Milestone ▼	Summary						Date Revision Checked Approved
Data Date: 30-Aug-20			ED/2	019			Road T2 and Infrastructure Works
Critical A divity							18-Dec-19 00V1 WYu
Actual Miestone					for D)evelo	pments at South Apron BOUYGUES 22-Feb-20 01V0 SPa/LLo WYu
							09-Apr-20 01V1 SPa/LLo WYu
Baseline Bar					Thre	e Mor	Iths Rolling Programme
						v I	

Activity Name	Dur	01V2 Start	01V2 Finish	Dur S	tart F	Finish	Mamb	And Mary In	2020	A	Contembor Ortobe	n Navarahan Da		2021	Mamh
							March 01 08 15 22	April May Jur 29 05 12 19 26 03 10 17 24 31 07 1	14 21 28 05 12 19 2	August 5 02 09 16 23	September Octobe 30 06 13 20 27 04 11 1	er November De 18 25 01 08 15 22 29 06	cember 13 20 27 03	January February	March 21 28 07 14 21 8
TMLG for XP validation	0		14-Mar-20	0	14-1	Mar-20 A	TMLC	5 for XP validation							
XP validated	0		16-Apr-20	0	16-/	Apr-20 A		♦ XP validated							
TMLG to TD for Approval	0		22-Apr-20	0	22-4	Apr-20 A		TMLG to TD for Approval							
TMLG Approved	0		11-May-20	0	11-N	/lay-20 A		TMLG Approved							
Roadworks advice from RMO for TTA Implementation	0		20-May-20	0	24-J	lun-20 A		♦	Roadworks advid	e from RMO for					
Site Establishment	96	29-Jul-20	20-Nov-20	96 31-A	.ug-20 23-	Dec-20						▼ Site Estat	olishment		
Barging Point	96	29-Jul-20	20-Nov-20	96 31-A	.ug-20 23-	Dec-20					- <mark>-</mark>	V Barging P	point	·	
Barging Point - Foundation	36	29-Jul-20	08-Sep-20	36 31-A	.ug-20 13-	-Oct-20		;		- 		arging Point - Foundation		·	
Barging Point - Spoil Ramp Installation	36	09-Sep-20	22-Oct-20	36 14-C)ct-20 25-	Nov-20						Bargin	g Point - Spoil I	Ramp Installation	
Barging Point - Commissioning	24	23-Oct-20	20-Nov-20	24 26-N	lov-20 23-	Dec-20	·	↓ 11 ↓1 ↓ ↓ ↓ ↓ ↓ ↓ - ↓					Bargin	ng Point - Commissionin	
Wai Yip Street / Cha Kwo Ling Road Junction	136	21-May-20	31-Oct-20	160 25-Ju	n-20 A 06-	-Jan-21	+					Wai Yip Street / Cha	Kwo Ling Roa	d Junction	
WYS/CKLR Drainage & Waterworks Installation	136	21-May-20	31-Oct-20	160 25-Ju	n-20 A 06-	-Jan-21							+ +	WYS/CKLR Drainage	Waterworks Installa
Section 8E Completion	0		31-Oct-20	0	06-	-Jan-21		· - · · · · · · · · · · · · · · · · · ·					•	Section 8E Completion	
DRILL & BREAK TUNNEL [D&BR]	34	05-Mar-21	17-Apr-21	34 07-A	pr-21 17-	May-21		*						·	▼
Tunnel Excavation	34	05-Mar-21	17-Apr-21	34 07-A	pr-21 17-	May-21		*							····
EB - D&Br Tunnel - CH9057-9040 Type D - Excavation	34	05-Mar-21	17-Apr-21		·	May-21		*							
DRILL & BLAST TUNNEL [D&BL]	279	15-May-20	22-Apr-21	309 15-Ma		May-21		· · · · · · · · · · · · · · · · · · ·		·				·	
Tunnel Excavation	279	15-May-20	22-Apr-21		-	May-21						·	L		
Eastbound		-	•		-	•				· · · · · · · · · · · · · · · · · · ·			L		
	279	15-May-20	22-Apr-21	303 15-Ma		May-21		· · · · · · · · · · · · · · · · · · ·			lingtallation for Dabting Day		L J		
East Portal - Blast Door Installation for Blasting Permit	49	15-May-20	13-Jul-20		,	Jul-20 A		*			or Installation for Blasting Peri		· · · · · · · · · · · · · · · · · · ·	·	
East Portal - Blast Door - IDC Inspection	3	14-Jul-20	16-Jul-20			Jul-20 A				- 6 6 6 6 1	or - IDC Inspection				
East Portal - Blast Door - Mines Inspection	0		16-Jul-20	0		Jul-20 A					 Mines Inspection EB - Noise Measurement 				
EB - Noise Measurement & CNP 1st Arch Rib - Create Vertical Face	0	14 101 20	10-Aug-20	Ŭ		Aug-20				let Arch Dib (Cieate Vertical Face				
	12	14-Jul-20	27-Jul-20			Jul-20 A		÷							
EB - Probe hole	4	14-Jul-20	17-Jul-20			Jul-20 A		┼ ┥╴┤╴╶┼╴╴┽╴╴┤╸┥╴╎╴╴┽╴╴┥╴╴┝╴╴╡╴╶┤╴╴┼		Probe hole					
EB - D&BI for 1m	2	18-Jul-20	20-Jul-20			Jul-20 A		*		B - Rock Trimm	ida for 1ot Atab	· + + + + + + + + + + + + + + + + +		·	
EB - Rock Trimming for 1st Arch	3	21-Jul-20	23-Jul-20			Jul-20 A									
EB - Install 1st arch rib	3	24-Jul-20	27-Jul-20			Jul-20 A				EB - Install 1s					
2nd to 5th Arch Rib - Drill & Blast	20	28-Jul-20	19-Aug-20			Sep-20				V 20	d to 5th Arch Rib - Drill & Blas	all arch rib (2nd - 5th)			
EB - D&BI & Install arch rib (2nd - 5th)	20	28-Jul-20	19-Aug-20			Sep-20						aii, arch rib (2rid - '5in);			
Full Face Drill & Blast	198	20-Aug-20	22-Apr-21		•	May-21				· · · · · · · · · · · · · · · · · · ·	4			· · · · · · · · · · · · · · · · · · ·	
EB - D&BI Tunnel - CH9240-9220 Type A - Excavation	30	20-Aug-20	23-Sep-20		·	-Oct-20				· · · · · · · · · · · · · · · · · · ·		EB - D&B Tunnel - CH92	40-9220 Type	A - Excavation	
Probe hole at CH9220	1	24-Sep-20	24-Sep-20			-Oct-20						Frobe hole at CH9220			
EB - D&BI Tunnel - CH9220-9190 Type A - Excavation	42	25-Sep-20	16-Nov-20			Dec-20								Tunnel - CH9220-9190 1	ype A - Excavation
Probe hole at CH9190	1	17-Nov-20	17-Nov-20			Dec-20							Probe hole		00.01/0 Turns A. F.
EB - D&BI Tunnel - CH9190-9160 Type A - Excavation	13	18-Nov-20	02-Dec-20			-Jan-21		┊ _┥ ╴┊╴╶┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴						EB - D&BI Tunnel - CH9	90-9160 Type A - Ex
Probe hole at CH9160	10	03-Dec-20	03-Dec-20			-Jan-21						· · · · · · · · · · · · · · · · · · ·	·····	Probe hole at CH9160	unnel - CH9160-913(
EB - D&BI Tunnel - CH9160-9130 Type A&B&C - Excavation	18	04-Dec-20	24-Dec-20			-Jan-21						· - · - · - · · · · · · · · · · · · · ·			
Probe hole at CH9130	1	28-Dec-20	28-Dec-20			-Jan-21								Probe hole	
EB - D&BI Tunnel - CH9130-9100 Type C - Excavation	20	29-Dec-20	21-Jan-21			Feb-21					╬╍╬╍╬╍╬╍╬╺			· · · · · · · · · · · · · · · · · · ·	B - D&BI Tunnel
Probe hole at CH9100		22-Jan-21	22-Jan-21			Feb-21								· · · · · · · · · · · · · · · · · · ·	Probe hole at CH
EB - D&BI Tunnel - CH9100-9070 Type C&D - Excavation	20	23-Jan-21	18-Feb-21			Mar-21							·		EB -
Probe hole at CH9070 EB - D&BI Tunnel - CH9070-9057 Type D - Excavation	11	19-Feb-21	19-Feb-21		-	Mar-21									FIUL
<u>,</u>	11 38	20-Feb-21 05-Mar-21	04-Mar-21 22-Apr-21			-Apr-21 May-21								· · · · · · · · · · · · · · · · · · ·	
EB - D&BI Tunnel - CH9150-9090 Type B/C - Enlargement Westbound	208	26-Jun-20	22-Apr-21 06-Mar-21		·	-Apr-21								· <u> </u>	Westbound
Full Face Drill & Break	70	26-Jun-20 26-Jun-20	16-Sep-20			Nov-20					▼ Full Face Drill &	Break			
	/0		•												
WB - Probe hole	4	26-Jun-20	30-Jun-20			Jul-20 A			□ □ ₩₿ -	Probe hole	all in the second Even	aviato for 1 m			
WB - D&Br Square up rock slope and Excavate for 1m WB - Install 1st arch rib	4	02-Jul-20	06-Jul-20			Jul-20 A					duare up rock slope and Exca 11 1st arch rib		·		
	0	07-Jul-20	13-Jul-20			Aug-20 A			······································	WB - Inst		& Install arch rib (2nd - 5th)	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
WB - D&Br & Install arch rib (2nd - 5th)	28	14-Jul-20	14-Aug-20		-	Sep-20								- Evenuation	
WB - D&Br CH9257-9250 Type A - Excavation	28	15-Aug-20	16-Sep-20	28 28-S	ep-20 02-	Nov-20						WB - D&Br QH9257			
Page 29 of 30	Summary											Date	Revisio		Approved
Data Date: 30-Aug-20													00\0	WYu MAG	╡────────────────────────
Actual Miestone											BOUYGUES	18-Dec-19	00V1	WYu	
Actual Work				IC			Juleur	s at South Apron			TRAVAUX PUBLICS	22-1 CD-20	01V0	SPa/LLo	WYu WAA
Search and the search				_								09-Apr-20	01V1	SPa/LLo	WYu
Baseline Bar				Γ	hree I	vion	ths Ro	olling Programme				17-Jul-20	01V2	SPa/LLo	WYu

Activity Name	Dur	01V2 Start	01V2 Finish	Dur	Start	Finish		2020								2021																	
							Ma	irch		April		Мау		June		July		Aug	ust	Septe	nber	Octo	ober	Nove	mber	Dece	nber	Jan	uary	Febru	uary	Marc	;h
							01 08	15 22	29 05	12 19	26 03	10 17 2	24 31 0	07 14 2	1 28 (05 12 1	19 26	02 09	16 23	30 06 1	3 20 2	7 04 11	18 25	01 08	15 22	29 06 1	3 20 2	7 03 10	17 24	31 07	14 21 2	28 07 1/	21 21
Full Face Drill & Blast	138	17-Sep-20	06-Mar-21	136	03-Nov-20	21-Apr-21															7	1	: :									T Full	Face D
WB- Blast Door Installation	24	17-Sep-20	16-Oct-20	24	03-Nov-20	30-Nov-20															<u> </u>		4 i			WB-B	lastDio	or Installa	tion				
WB- D&BI start	0		16-Oct-20	0		30-Nov-20																<	>			♦ ₩B C	&¦Bl s¦ta	nt i					
WB - D&BI Tunnel - CH9250-9230 Type A - Excavation	31	17-Oct-20	23-Nov-20	31	01-Dec-20	08-Jan-21												 							-			W I	/B - D&E	l Tựnnel	I - ÇH925	50-9230	Гуре А
Probe hole at CH9230	1		24-Nov-20	0		08-Jan-21																			♦			🔶 P	robe hol	e at CH9	9230		
WB - D&BI Tunnel - CH9230-9200 Type A - Excavation	34	25-Nov-20	06-Jan-21	34	09-Jan-21	20-Feb-21											i i								-			÷ 🗖			WE WE	B - D&BI	Tunnel
Probe hole at CH9200	1		07-Jan-21	0		20-Feb-21																									🔶 🔶 Pirc	obe hole	at CH9
WB - D&BI Tunnel - CH9200-9170 Type A - Excavation	23	08-Jan-21	03-Feb-21	23	22-Feb-21	19-Mar-21																			11		1		1 1				WB
Probe hole at CH9170	1	04-Feb-21	04-Feb-21	1	20-Mar-21	20-Mar-21																								•			Pro
WB - D&BI Tunnel - CH9170-9140 Type A - Excavation	23	05-Feb-21	06-Mar-21	23	22-Mar-21	21-Apr-21										1																	
Cross Passage	31	08-Mar-21	16-Apr-21	31	22-Apr-21	29-May-21													1 1				· · ·			· · ·							
CP31	13	16-Mar-21	30-Mar-21	13	30-Apr-21	15-May-21				· · · · · · ·																						▼	
CP31 - D&BI Excavation 16.7m	13	16-Mar-21	30-Mar-21	13	30-Apr-21	15-May-21																	T										
CP32	31	08-Mar-21	16-Apr-21	31	22-Apr-21	29-May-21		- 1 - 1		1 1 1			- il - i-	1		1		- i i														V	1 1
CP32 - D&BI Excavation 13.5m	7	08-Mar-21	15-Mar-21	7	22-Apr-21	29-Apr-21		11		1 1 1	1 1	- i i		- i - i		i i	1	i i						- 1 - 1									
CP32 - Blast Door	24	16-Mar-21	16-Apr-21	24	30-Apr-21	29-May-21	- i i	i i		i i i	i li i		- il - i		i i	i i	i i			1 i i	i i		i i		i i						i i	· 	

Page 30 of 30 Data Date: 30-Aug-20	 Milestone Summary Planned Bar Critical A divity Actual Milestone Actual Work Baseline Milestone Baseline Bar 	ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at South Apron Three Months Rolling Programme	BOUYG TRAVAUX P

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