Civil Engineering and Development Department

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

Report

(under EP-458/2013/C)

May - July 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_0188L.21

18 May 2021

By Post and Email

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

Attention: Mr. Edwin Ching

Dear Mr. Ching,

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

Quarterly EM&A Summary Report (May 2020 to July 2020)

Reference is made to the Environmental Team's submission of the Quarterly EM&A Summary Report for May 2020 to July 2020 (Version 1) certified by the ET Leader and provided to us via email on 18 May 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 1st Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by the Environmental Team (ET), Cinotech Consultants Ltd., for "Trunk Road T2 and Infrastructure Works at the Former South Apron". This report summarized the monitoring results and audits findings of the EM&A programme under the issued Environmental Permit (EP) No. EP-458/2013/C and in accordance with the EM&A Manual (AEIAR-173/2013) during the reporting period from May 2020 to July 2020.

Summary of Main Works Undertaken and Key Measures Implemented

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

May 2020

- East Portal temporary support for Tunnel Portal;
- East Portal Horizontal Ground Investigation.

June 2020

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

July 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
- 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.

Water Quality

• An emergency pumping system was installed to prevent flooding during heavy rain. *Landscape and Visual*

- Decorative screen hoarding was erected.
- 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 Exceedance		No. of Exceedance due to Construction Activities of this Project		Action Taken
	Action Level	Limit Level	Action Level	Limit Level	
May 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
June 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
July 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.

Enert	Event Details		A ation Takan	Status
Event	Number	Nature	Nature Action Taken	
Complaints Received	0		N/A	N/A
Notifications of any summons & prosecutions received	0		N/A	N/A

 Table II
 Summary Table for Key Information in the Reporting Quarter

N/A – Not Applicable

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

Reporting Changes in the Reporting Quarter

8. The impact air quality and construction noise monitoring at monitoring stations AM1, AM2, AM3, AM4, AM4(A), CM1, CM2, CM3, CM4 and CM5 are currently conducted by the ET of Agreement No. CE 59/2015 (EP). As to fulfil the monitoring requirement from the EM&A manual for Contract No. ED/2018/04 (AEIAR-173/2013), the result data obtained from such monitoring would be adopted from ET of Agreement No. CE 59/2015 (EP) and presented in this report. The arrangements were approved by CEDD and the ET of Agreement No. CE 59/2015 (EP) on 25 May 2020.

1. INTRODUCTION

Background

- 1.1 In 2009, Civil Engineering and Development Department (CEDD) commissioned a Kai Tak Development (KTD) Trunk Road T2 and Infrastructure at South Apron Investigation. The assignment covers the provision of the Trunk Road T2 and its connections with the Central Kowloon Route (CKR) at the north apron area and the Tseung Kwan O Lam Tin Tunnel (TKOLTT) to the south in the Cha Kwo Ling area.
- 1.2 The Trunk Road T2 Project is one of the designated Projects under Schedule 2 of the EIAO proposed in the KTD. CEDD submitted the Project Profile (No. PP-379/2009) on 24 March 2009 for application for an EIA study brief for the Trunk Road T2 Project under the EIAO. Accordingly, an EIA Study Brief (ESB-203/2009) for the Trunk Road T2 Project was issued on 30 April 2009. The Environmental Impact Assessment (EIA) Report for the Trunk Road T2 Project was approved under the Environmental Impact Assessment Ordinance (EIAO) on 19 September 2013. The corresponding Environmental Permit (EP) was issued on 19 September 2013 (EP no.: EP-451/2013).
- 1.3 The Contract No. ED/2018/04 is the main contract of Trunk Road T2 ("T2 Main Works") which comprises mainly the design and construction of a dual two-lane trunk road of approximately 3.0km long with about 2.7km of the trunk road in form of tunnel; ventilation and administration buildings, environmental protection and mitigation works and etc. The EM&A programme under this Contract is governed by the two EPs (EP-451/2013 and EP-458/2013/C) and two EM&A Manuals (AEIAR-174/2013 and AEIAR-173/2013). The work areas of the T2 Main Works are shown in **Figure 1** and the works to be executed under this Contract and corresponding EPs are summarized as follows:

Environmental Permit	Works Description
EP-451/2013 – Trunk Road T2	<u>Trunk Road T2</u>
	• Construction of highway and sub-sea tunnel connecting between
	Central Kowloon Route and Cha Kwo Ling Tunnel
	Western & Eastern Ventilation Buildings
EP-458/2013/C – Tseung Kwan O –	<u>Cha Kwo Ling Tunnel</u>
Lam Tin Tunnel (TKOLTT) and	Construction of Cha Kwo Ling Tunnel from the end of Trunk Road
Associated Works	T2 to the TKOLTT at the Eastern Ventilation Building

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

- 1.4 Under Agreement No. CE 59/2015 (EP) Tseung Kwan O Lam Tin Tunnel (TKOLLT) and Associated Works, the baseline monitoring works in Lam Tin under the EM&A Manual (AEIAR-173/2013) were conducted by the Environmental Team (ET) for the Agreement No. CE 59/2015 (EP) at the approved monitoring locations, namely AM1, AM2, AM3, AM4, AM4 (A) CM1, CM2, CM3, CM4 and CM5. Impact monitoring within the Lam Tin area shall be conducted by the ET of Contract No. ED/2018/04 upon cessation of Agreement No. CE 59/2015 (EP). The data obtained from the impact monitoring works completed by the ET of Agreement No. CE 59/2015 (EP) will be adopted in this report
- 1.5 Cinotech Consultants Ltd. was designated as the Environmental Team (ET) to undertake the EM&A works for "Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron" (hereinafter called the "Project").

Purpose of the Report

1.6 This is the 1st Quarterly EM&A Summary Report summarizing the EM&A works for the Project in between May 2020 and July 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	of the Project are	shown in	Table 1.1.
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Table 1.1	I Key Project Contacts		
Party	Role	Contact Person	Phone No.
CEDD	Permit Holder	Mr. Wong Chi Wai, Tommy	3842 7111
HMJV	Supervisor Representative	Mr. Joe Nam	3742 3820
Cinotech	Environmental Team	Mr. KS Lee (ETL)	2151 2091
		Ms. Karina Chan	2157 3880
	Indonondont	Mr. Ray Yan (until 22 May 2020)	3465 2836
Ramboll	Independent Environmental Checker	Mr. Manson Yeung (from 23 May 2020)	3465 2888
BTP	Contractor	Mr. Bryan Lee	5588 3891

Table 1.1Kev Project Contacts

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

Construction Activities undertaken during the Report Quarter

- 1.10 The major site activities undertaken in the reporting quarter are shown as follow: May 2020
 - East Portal temporary support for Tunnel Portal;
 - East Portal Horizontal Ground Investigation.

June 2020

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

July 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

2. ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

Monitoring Parameters and Monitoring Locations

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

Monitoring Methodology and Calibration Details

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

Environmental Quality Performance Limits (Action and Limit Levels)

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

Implementation Status of Environmental Mitigation Measures

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

Site Audit Summary

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

Status of Waste Management

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

3. MONITORING RESULTS

Weather Conditions

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

Table 3.1 Summary of Weather Conditions in the Reporting Period

Reporting Month	General Weather Conditions
May 2020	Sunny, Cloudy, Rainy
June 2020	Sunny
July 2020	Sunny

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

Air Quality

- 3.3 All 1-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance was recorded.
- 3.4 All 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action / Limit Level exceedance 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, Ngu Tang	Road Traffic near Eastern Cross Harbour
	Yau Tong	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	Road Traffic near Eastern Cross Harbour
	Tong	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 No environmental complaints on this Project were received in the reporting quarter.
- 4.13 No environmental warning, prosecution and notification of summons were received in the reporting quarter.

5. COMMENTS, CONCLUSIONS AND RECOMMENDATIONS

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

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

Effectiveness of Mitigation Measures

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

Recommendations

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

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

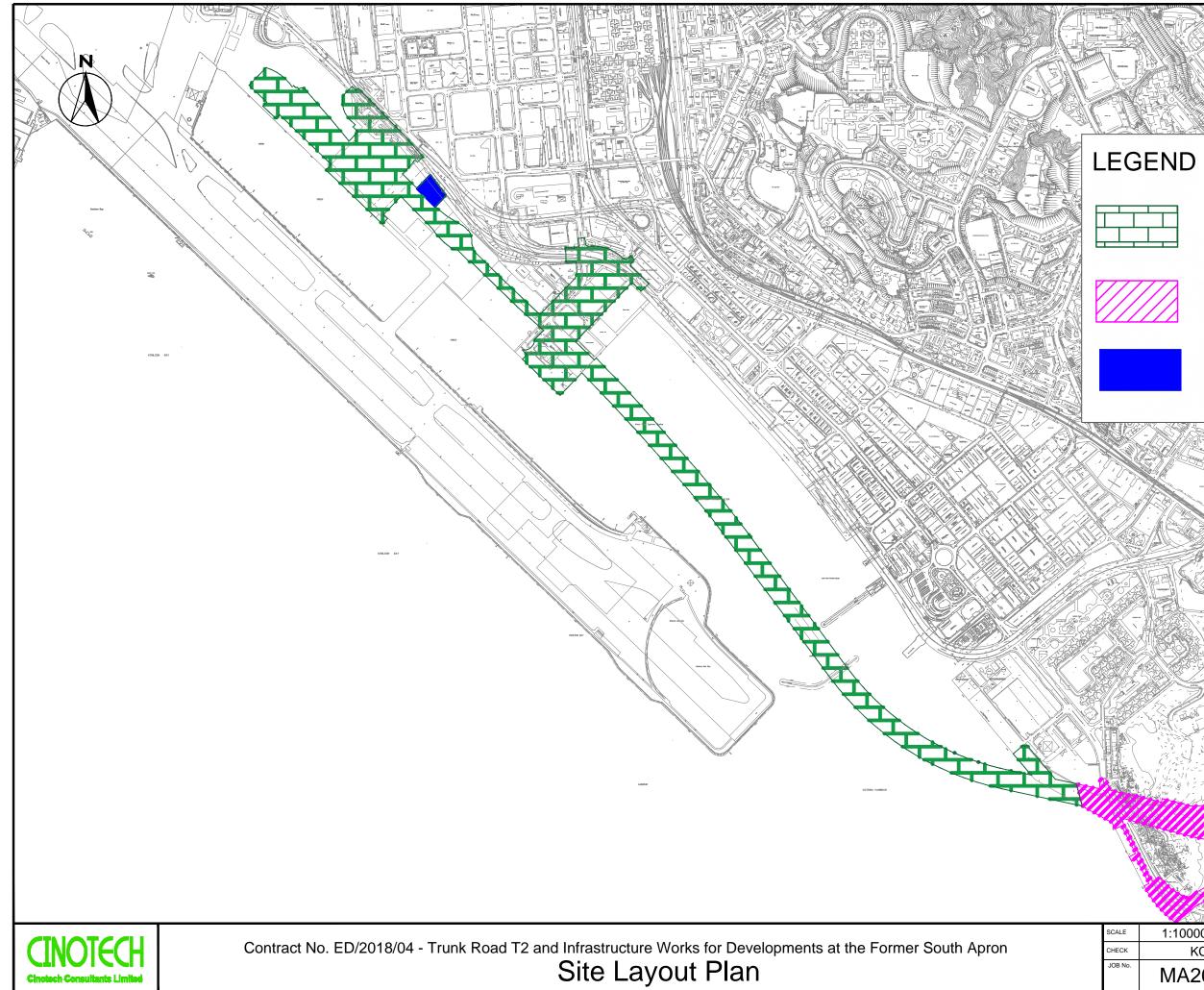
Water Quality Impact

• Drainage system should be adequately designed to prevent flooding during rain storm

Landscape and Visual

• Existing trees should be protected properly (i.e. via fencing).

FIGURES



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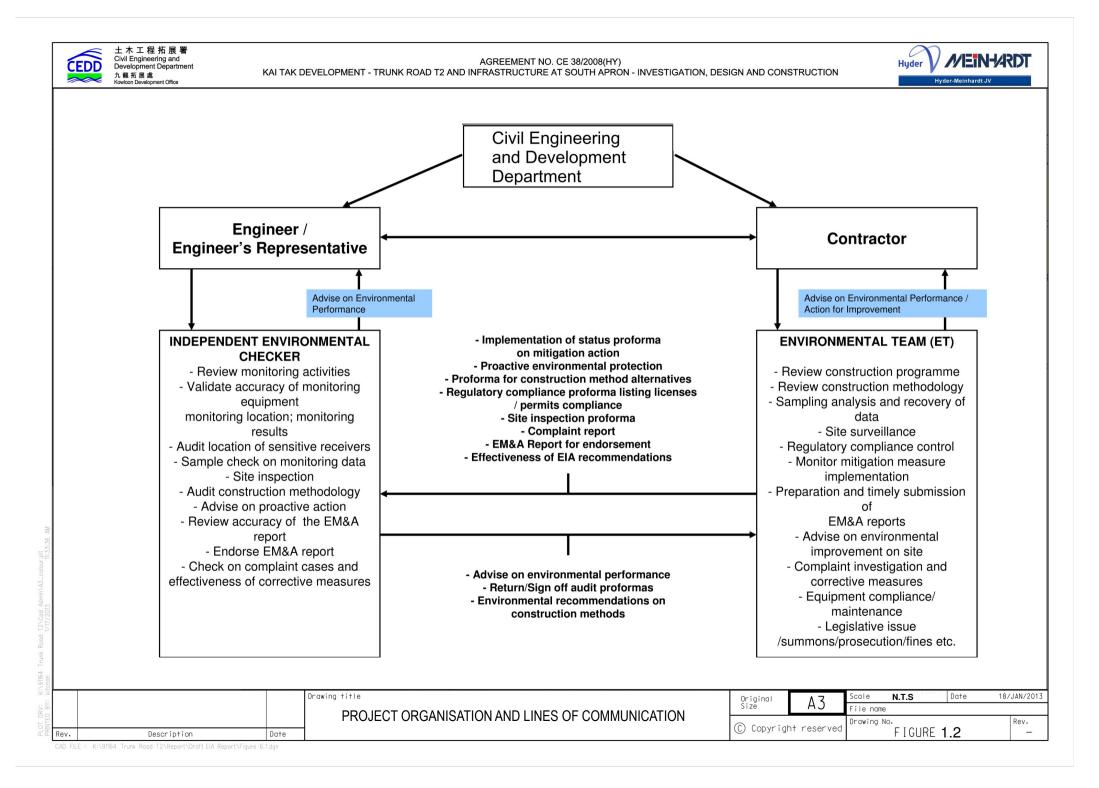
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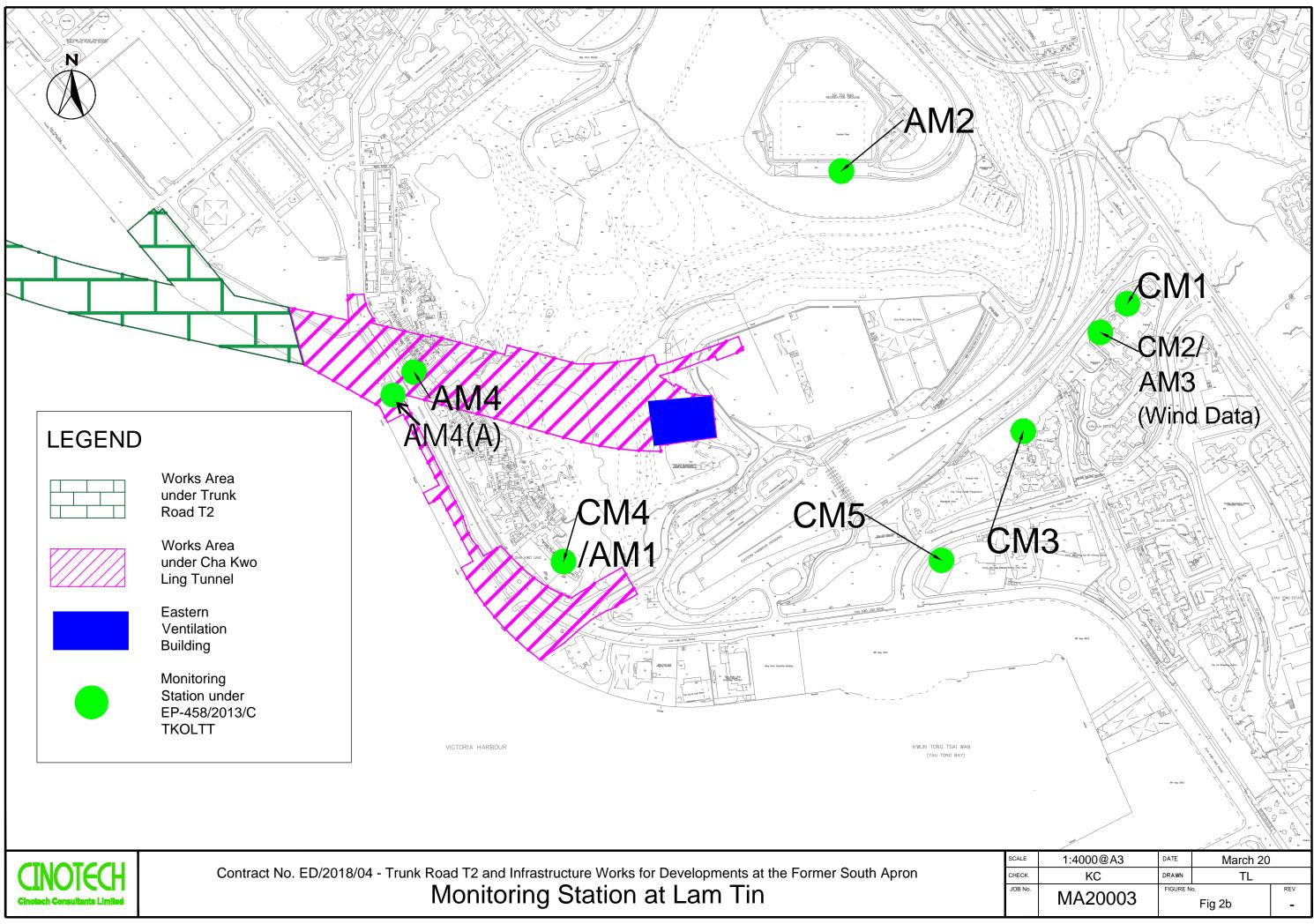
Works Area under Trunk Road T2

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 	 AM1 – Ground Level AM2 – Ground Level AM3 – Rooftop (41/F)
	24 hour TSP	Once / 6 days	 AM4⁽¹⁾ – Sitting-out Area at Cha Kwo Ling Village AM4(A)^{(2)(*)} – Cha Kwo Ling Public Cargo Working Area Administrative Office 	 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>

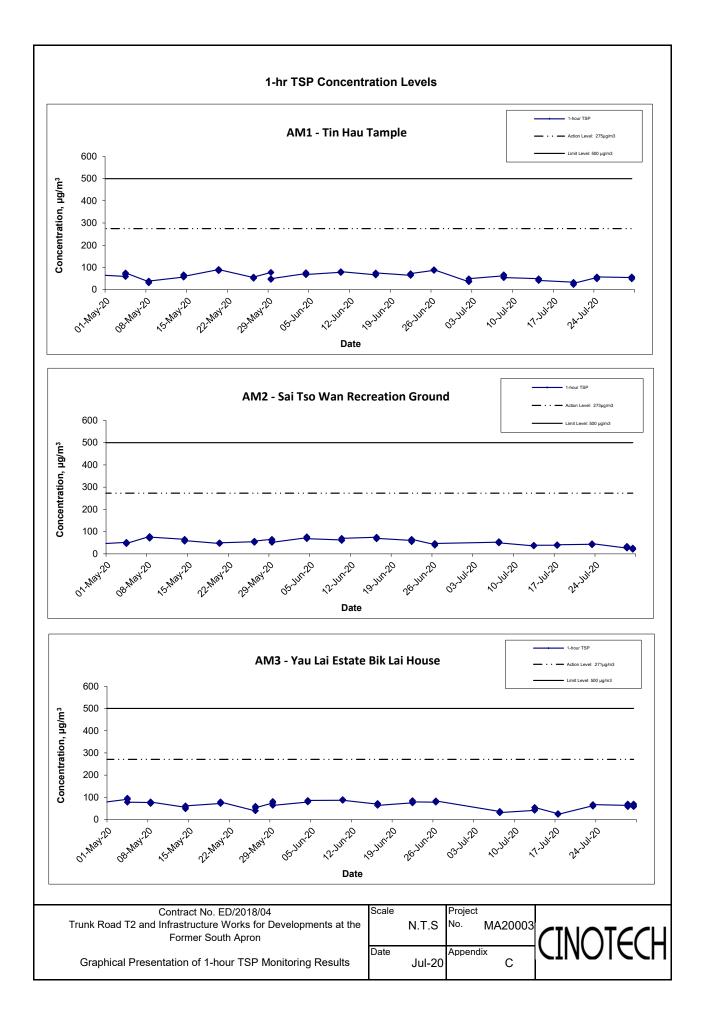
Time Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays	When one documented complaint is received from any one of the monitoring stations	75 dB(A) ⁽¹⁾

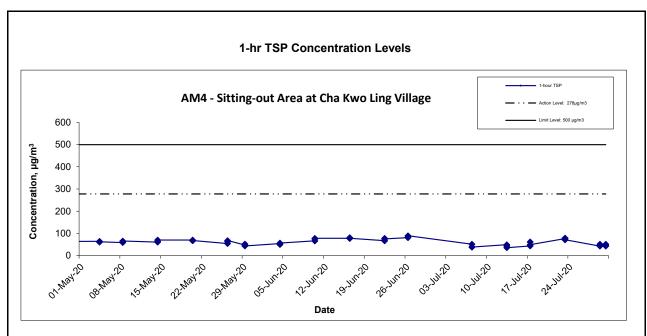
¹70 dB(A) for schools and 65 dB(A) for schools during examination period.

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

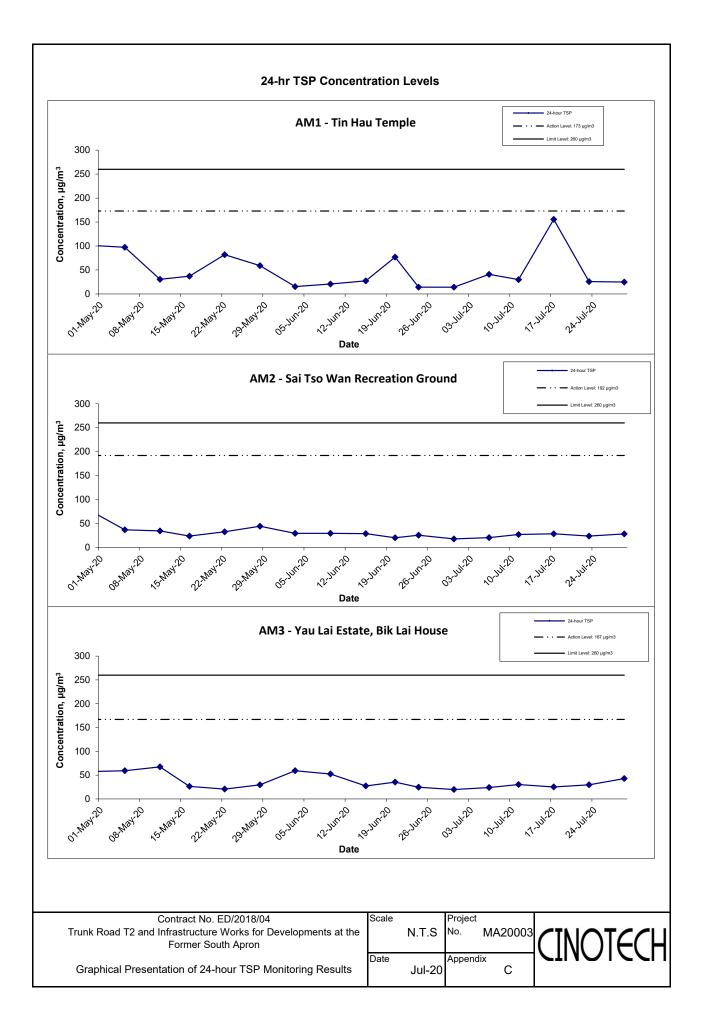


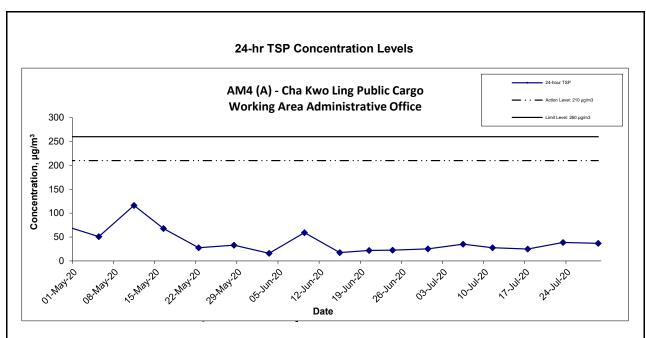


Notes:

- 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	N.T.S	Project No.	MA20003	
Graphical Presentation of 1-hour TSP Monitoring Results	Date	Jul-20	Append	lix C	



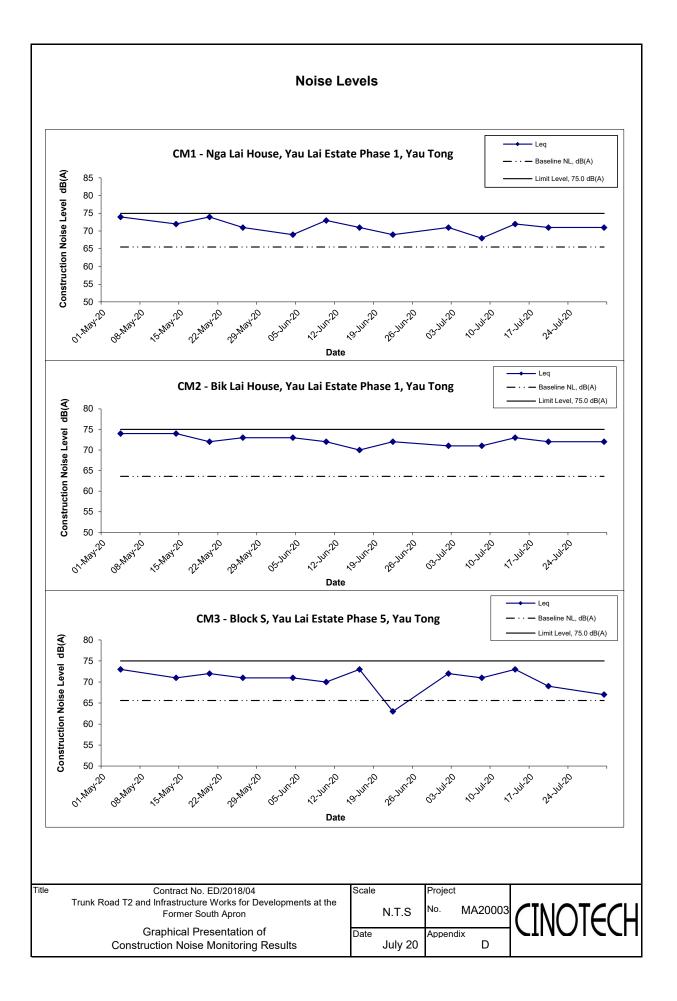


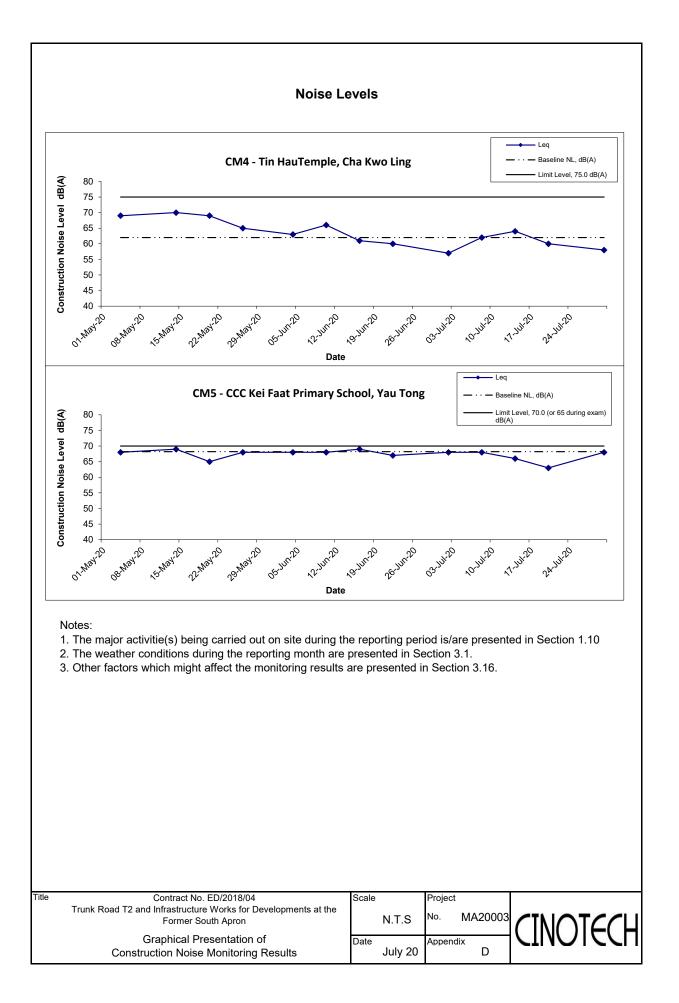
Notes:

- 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.

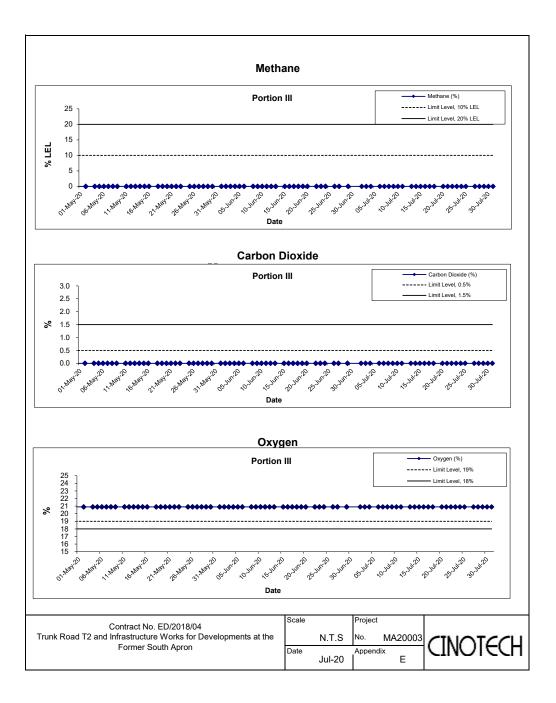
Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron	Scale	N.T.S	Project No. MA20003	
Graphical Presentation of 24-hour TSP Monitoring Results	Date	Jul-20	Appendix C	

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

<u>May 2020</u>

Items	Date	Status*	Follow up Action
Water Quality			
Water pond was found at the site. Drainage system should be adequately designed for storm flow.	21 May 2020	~	Item was rectified on 28 May 2020.
Ecology	-		
Noise			
Landscape and Visual			
Existing tree to be retained on site should be protected carefully.	21 May 2020	#	Follow up action will be reported in the next reporting month.
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

* Non-compliance of mitigation measure

• Non-compliance but improved by the contractor

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

Appendix F - Site Audit Summary

June 2020

Items	Date	Status*	Follow up Action
Water Quality			
Noise			
Mitigation measure for construction noise reduction, as listed in the NMP (v.3), should be implemented on CKL site	11 June 2020	~	Improved/rectified on 23 June 2020
Landscape and Visual			
Existing tree to be retained on site should be protected carefully.	21 May 2020	~	Improved/rectified on 04 June 2020
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 rectified by the contractor

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

Appendix F - Site Audit Summary

July 2020

Items	Date	Status*	Follow up Action
Water Quality			
Noise	•	•	
Moveable noise barrier shall be provided to reduce the noise nuisance generated from breaker.	23 July 2020	#	Follow up action will be reported in the next reporting month.
Landscape and Visual			
Air Quality			
Watering regularly within the work area enclosed by the blast door was recommended to avoided dust generation.	23 July 2020	v	Improved/rectified on 30 July 2020
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

* 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 for direct explore direct to end or to observe that to inclusive statication inclusive provide to end exclusive statication inclusive provide to end exclusive statication inclusive provide to end exclusive statication inclusive provide provide the translocation inclusive provide provide the translocation inclusive provide the translocation inclusive provide provide the translocation inclusive provide the translocation inclusive provide provide the translocation inclusive provide the translocation inclusive provide provide the translocation inclusive provide the translocation inclusive provide provide the		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. Prior construction of the contranslocation receiver as includible contract contract of the contranslocation. AFCD prior to commencement of contranslocation. Prior construction and the stability compared to the translocation. Prior construction of the contranslocation and prior footprint. Prior construction N/A 56.8.9 56.8.10 Measure to Contral Water Oraging and the translocation receivers and during the stable condition and growth of the translocation receivers and during translocation contract orage of the stabile condition and growth of the translocation receivers and during translocation contract or and the translocation contract or the presence, survival, health condition and growth of the translocation receivers and during translocation contract or and the translocation of water works area. Design Team, contractor Marrie and landbased works area Construction plane Works 56.8.9 56.8.10 Meastre to contral water Oraging translocation to the pres	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

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?
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 contained water the desposal and the property accountes of the second accountes water water. Advocative the filter and wa	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)

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?
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 (May 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	Noise Impact			
Water Quality	/ Impact			-
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.	Water pond was found at the site. Drainage system should be adequately designed for storm flow.	21 May 2020	√
Ecological Imp	pact			
Fisheries Imp	act			

EIA Ref	Recommended Mitigation Measures	Details of Reminder/Observation	Recorded Date	Status
Waste Manage	ement			
Landscape and	d Visual Impact			
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).	Existing tree to be retained on site should be protected carefully.	21 May 2020	#
Landfill Gas H	lazards			

Table II - Observation / Reminder / Non-compliance made during Site Audit (June 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 1	Noise Impact			
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	Mitigation measure for construction noise reduction, as listed in the NMP (v.3), should be implemented on CKL site	11 Jun 2020	#
Water Quality	Impact			
Ecological Im	pact			
Fisheries Impa	net			
Waste Manage	ement	·		

EIA Ref	Recommended Mitigation Measures	Details of Reminder/Observation	Recorded Date	Status
Landscape and	l Visual Impact			
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).	Existing tree to be retained on site should be protected carefully.	21 May 2020	√
Landfill Gas H	lazards			

Table II - Observation / Reminder / Non-compliance made during Site Audit (July 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				
S3.8.1	Watering eight times a day on active works areas, exposed areas and paved haul roads	Watering regularly within thw work area enclosed by blast door was recommended to avoided dust generation.	23 Jul 2020	~
Construction N	Noise Impact			
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	Moveable noise barrier shall be provided to reduce the noise nuisance generated from the breaker.	23 Jul 2020	#
Water Quality	Impact			
	-			
Ecological Imp	act			
Fisheries Impa	ct			
Waste Manage	ement			
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)

	Actual Quantities of Inert C&D Materials Generated Monthly						Actual C	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	i. Plastics	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											
September											
October											
November											
December										<u> </u>	
Total	0.025	0.000	0.000	0.000	0.025	0.000	0.000	0.000	0.000	0.000	0.016

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: May 2020 - July 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: May 2020 - July 2020

Log Ref.	Location	Received Date	Details of Complaint/warning/summon and prosecution	Investigation/Mitigation Action	Status
N/A	N/A	N/A	N/A	N/A	N/A

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

APPENDIX K EVENT AND ACTION PLAN

Event and Action Plan for Air Quality (Dust)

		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.

 ET 7. If exceedance continues, arrange meeting with IEC and ER; 8. If exceedance stops, cease additional monitoring. 	IEC	ER	CONTRACTOR
meeting with IEC and ER;8. If exceedance stops, cease additional monitoring.			
1 11 20 1 2 2			
 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.
 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
	 finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. 1. Notify IEC, ER, Contractor and EPD; 	finding;4. Advise the ER on the effectiveness of the proposed remedial measures;4. Increase monitoring frequency to daily;4. Advise the ER on the effectiveness of the proposed remedial measures;5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.5. Supervise implementation of remedial measures.1. Notify IEC, ER, Contractor and EPD;1. Discuss amongst ER, ET, and Contractor on the potential remedial actions;	finding;4. Advise the ER on the effectiveness of the proposed remedial measures;4. Increase monitoring frequency to daily;4. Advise the ER on the effectiveness of the proposed remedial measures;5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.5. Supervise implementation of remedial measures.1. Notify IEC, ER, Contractor and EPD;1. Discuss amongst ER, ET, and Contractor on the potential remedial actions;1. Confirm receipt of notification of exceedance in writing;2. Identify source;2. Notify Contractor;2. Notify Contractor;

			ACTION									
EVENT		ET	IEC			ER	CONTRACTOR					
	3.	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.										

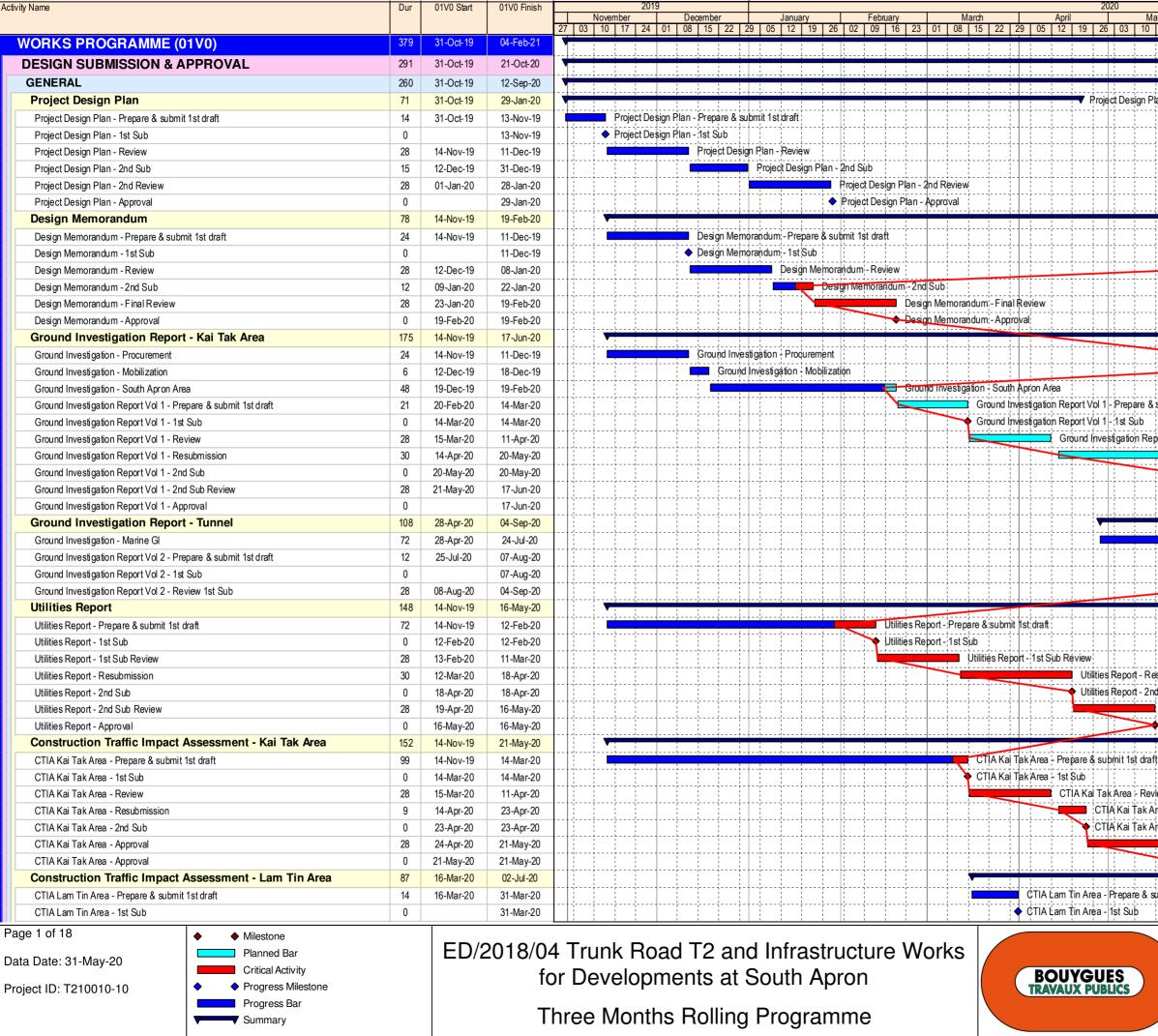
Event and Action Plan for Construction Noise

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

Limit Levels and Action Plan for Landfill Gas

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

APPENDIX L CONSTRUCTION PROGRAMME



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Activity Name	Dur	01V0 Start	01V0 Finish	2019 2020
				November December January February March April May June July August 27 03 10 17 24 01 08 15 22 29 05 12 19 26 02 09 16 23 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 23 10 17 24 31 07 14 21 28 05 12 19 26 02 19 16 23 10
CTIA Lam Tin Area - Review	28	01-Apr-20	28-Apr-20	CTIA Lam Tin Area - Review
CTIA Lam Tin Area - Resubmission	30	29-Apr-20	04-Jun-20	CTIA Lam Tin Area - Resubmission
CTIA Lam Tin Area - 2nd Sub	0		04-Jun-20	◆ CTIA Lam Tin Area - 2nd Şub
CTIA Lam Tin Area - Approval	28	05-Jun-20	02-Jul-20	CTIA Lam' Tin Area Approval
CTIA Lam Tin Area - Approval	0		02-Jul-20	◆ CTIA Lam Tin Area - Approval
Durability Assessment Report	148	14-Nov-19	16-May-20	▼ Durability Assessment Report
Durability Assessment Report - Prepare & submit 1st draft	72	14-Nov-19	12-Feb-20	Durability Assessment Report - Prepare & submit 1st draft
Durability Assessment Report - 1st Sub	0		12-Feb-20	♦ Durability Assessment Report - 1st Sub
Durability Assessment Report - Review	28	13-Feb-20	11-Mar-20	Durability Assessment Report - Review
Durability Assessment Report - Resubmission	30	12-Mar-20	18-Apr-20	Durability Assessment Report Resubmission
Durability Assessment Report - 2nd Sub	0		18-Apr-20	♦ Durability Assessment Report- 2nd Sub
Durability Assessment Report - Approval	28	19-Apr-20	16-May-20	Durability Assessment Report - Approval
Durability Assessment Report - Approval	0	16-May-20	16-May-20	Durability Assessment Report - Approval
ACABAS	165	14-Nov-19	05-Jun-20	
DDA - Draft - Preparation by Designer	84	14-Nov-19	26-Feb-20	DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	12	27-Feb-20	11-Mar-20	DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0	11-Mar-20	11-Mar-20	DDA - 1st \$up
DDA - Review by IP / DC	28	12-Mar-20	08-Apr-20	DDA - Review by IP / DC
DDA - Review by GEO via SO	35	12-Mar-20	15-Apr-20	DDA - Review by GEQ via SO
DDA - Review by SO	35	12-Mar-20	15-Apr-20	DDA - Review by SO
DDA - Further information required by SO	18	16-Apr-20	08-May-20	DDA - Further information required by \$0
DDA - 2nd Sub	0	08-May-20	08-May-20	DDA - 2nd Sub
DDA - 2nd Review by SO	28	09-May-20	05-Jun-20	DDA - 2nd Review by SO
DDA - SO Consent for Construction	0		05-Jun-20	◆ DDA - SQ Consent for Construction
Structural Condition Survey Report	77	28-Dec-19	31-Mar-20	V Structural Condition Survey Report
Structural Condition Survey & Prepare 1st draft	14	28-Dec-19	14-Jan-20	Structural Condition Survey & Prepare 1st draft
Structural Condition Survey - 1st Sub	0		14-Jan-20	Structural Condition Survey - 1st Sub
Structural Condition Survey Report - Review	28	15-Jan-20	11-Feb-20	Structural Condition Survey Report Review
Structural Condition Survey Report - Resubmission	18	12-Feb-20	03-Mar-20	Structural Condition Survey Report - Resubmission
Structural Condition Survey - 2nd Sub	0		03-Mar-20	\$tructural Condition Survey - 2nd Sub
Structural Condition Survey Report - Approval	28	04-Mar-20	31-Mar-20	B Structural Condition Survey Report - Approva
Structural Condition Survey - Approval	0	31-Mar-20	31-Mar-20	Structural Condition Survey - Approval
Community Liasion Group - CKL Area - Kick off	20	02-Jan-20	24-Jan-20	Community Liasion Group - CKL Area - Kick off
Structural Condition Survey - CKL Area	48	29-Jan-20	24-Mar-20	Structural Condition Survey - CKL Area
Structural Condition Survey - CKL Area - Issue report	6	25-Mar-20	31-Mar-20	Structural Condition Survey - CKL Area - Issue report
South Apron Temporary Substation	135	14-Nov-19	02-May-20	▼ South Apron Temporary Substation
Soil Resistivity Test at Portion M1	24	15-Nov-19	12-Dec-19	Soil Resistivity Test at Portion M1
DDA - Draft - Preparation by Designer	90	14-Nov-19	04-Mar-20	DDA - Draft - Préparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	21	05-Mar-20	28-Mar-20	DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0		28-Mar-20	DDA - 1şt Sub
DDA - Review by IP / DC	14	29-Mar-20	11-Apr-20	DDA - Review by IP / DC
DDA - Review by SO	21	29-Mar-20	18-Apr-20	DDA - Review by SO
DDA - Further information required by SO	6	20-Apr-20	25-Apr-20	DDA - Fürther information required by SO
DDA - 2nd Sub	0		25-Apr-20	◆ DDA - 2nd Sub
DDA - 2nd Review by SO	6	26-Apr-20	01-May-20	DDA - 2nd Review by SO
DDA - SO Consent for Construction	0	02-May-20	02-May-20	DDA - SQ Consent for Construction
AIP Project Alignment	96	31-Oct-19	26-Feb-20	V AIP Project Alignment
AIP - Draft - Preparation by Designer	39	31-Oct-19	14-Dec-19	AIP - Dráft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub	18	16-Dec-19	08-Jan-20	AIP - Draft - Final Review and prepare for 1st Sub
AIP - 1st Sub	0		08-Jan-20	AIP - 11st Sub
AIP - Review by IP / DC	28	09-Jan-20	05-Feb-20	AIP - Review by P / DC
AIP - Review by SO	28	09-Jan-20	05-Feb-20	AIP - Review by SO

Page 2 of 18

- Data Date: 31-May-20
- Project ID: T210010-10
- Progress Bar

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Milestone

Summary

Planned Bar

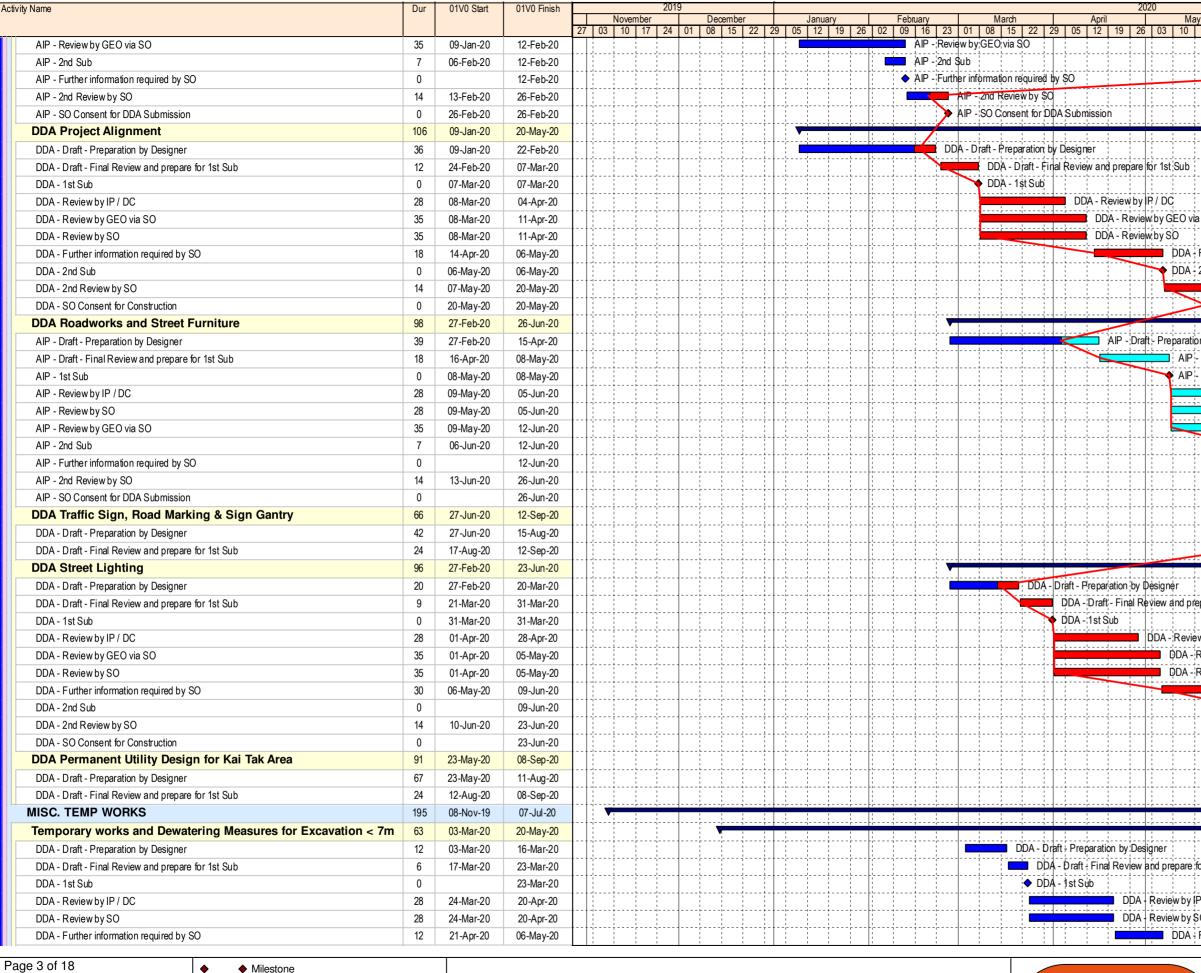
Critical Activity

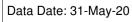
Progress Milestone

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

BOUYGUES TRAVAUX PUBLICS

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





Project ID: T210010-10

Critical Activity
 Progress Milestone
 Progress Bar

Summary

Planned Bar

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

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Activity Name	Dur	01V0 Start	01V0 Finish		201								2020		-				
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DDA - 2nd Sub	0		06-May-20			0.0000								DDA - 2nd Sub					
DDA - 2nd Review by SO	14	07-May-20	20-May-20						· · · · · · · · · · · · · · · · · · ·					DD/	A 2nd Review b	by SO			
DDA - SO Consent for Construction	0	20-May-20	20-May-20					- L	· · · · · · · · · · · · · · · · · · ·					DD/	A-SO Consent	for Constru	uction		
Typical Design of Formworks and Falseworks	76	02-Apr-20	07-Jul-20							V			-+		·		+		
DDA - Draft - Preparation by Designer	24	02-Apr-20	05-May-20											DA - Draft - P	reparation by De	esigner			
DDA - Draft - Final Review and prepare for 1st Sub	6	06-May-20	12-May-20											DDA - Dra	ft Final Review	v and prepa	are for 1st	Sub	
DDA - 1st Sub	0		12-May-20											🔷 DDA - 1st	Sub				
DDA - Review by IP / DC	28	13-May-20	09-Jun-20												dda	A - Review	by IP / DC		
DDA - Review by SO	28	13-May-20	09-Jun-20												DDA	A-¦Revi¢w	bySO		
DDA - Further information required by SO	12	10-Jun-20	23-Jun-20		- +											DD	A - Further	information requi	ired by SO
DDA - 2nd Sub	0		23-Jun-20													DD	A - 2nd \$u	1 1 1	
DDA - 2nd Review by SO	14	24-Jun-20	07-Jul-20															A - 2nd Review b	
DDA - SO Consent for Construction	0		07-Jul-20														🔶 DD	A - SO Consent f	for Construction
Critical Angle for Temporary Slope Stability	63	03-Mar-20	20-May-20						▼										Critical Ang
DDA - Draft - Preparation by Designer	12	03-Mar-20	16-Mar-20									Preparation b							
DDA - Draft - Final Review and prepare for 1st Sub	6	17-Mar-20	23-Mar-20								1 1 1 1		view and pre	pare for 1st S	μ				
DDA - 1st Sub	0	23-Mar-20	23-Mar-20		· · · · · · · · · · · · · · · · · · ·						🔶 DDA - 1s	st Sub							
DDA - Review by IP / DC	28	24-Mar-20	20-Apr-20										DDA Revie	wbylP/DC					
DDA - Review by SO	28	24-Mar-20	20-Apr-20										DDA Revie	wby\$O					
DDA - Further information required by SO	12	21-Apr-20	06-May-20												information requ	uired by SC)		
DDA - 2nd Sub	0	06-May-20	06-May-20										1	DDA - 2nd Sub					
DDA - 2nd Review by SO	14	07-May-20	20-May-20		· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·					∖-2nd Reviewt	a la face de la calenda			,
DDA - SO Consent for Construction	0	20-May-20	20-May-20											DD	A - SO Consent	for Constru	uction		
Seawall checkings for temporary cases (Loading / Unloading)	66	07-Feb-20	27-Apr-20					▼											
DDA - Draft - Preparation by Designer	12	07-Feb-20	20-Feb-20							Draft - Preparat									
DDA - Draft - Final Review and prepare for 1st Sub	6	21-Feb-20	27-Feb-20		· · · · · · · · · · · · · · · · · · ·					DA - Draft - Fin	nal Review a	ind prepare fo	or 1st Sub						
DDA - 1st Sub	0		27-Feb-20						♦ DE	DA - 1st Sub									
DDA - Review by IP / DC	28	28-Feb-20	26-Mar-20									Review by IP	- + +						
DDA - Review by SO	28	28-Feb-20	26-Mar-20								DDA -	Review by S	- *						
DDA - Further information required by SO	12	27-Mar-20	11-Apr-20											nation required	l by SO				
DDA - 2nd Sub	0	11-Apr-20	11-Apr-20	<u> </u>								DDA - 2							
DDA - 2nd Review by SO	14	14-Apr-20	27-Apr-20	-¦										2nd Review by					
DDA - SO Consent for Construction	0	27-Apr-20	27-Apr-20										DDA - \$	SO Consent fo	r C onstruction				
Barging Point design at Portion P	66	07-Feb-20	27-Apr-20																
DDA - Draft - Preparation by Designer	12	07-Feb-20	20-Feb-20		·					Draft - Preparat					>				
DDA - Draft - Final Review and prepare for 1st Sub	6	21-Feb-20	27-Feb-20						· • • • • • • • • • • • • • •	DA - Draft - Fin	nal Review a	ind prepare fo	or 1st Sub						
DDA - 1st Sub	0	27-Feb-20	27-Feb-20						DE 🔶	DA - 1st Sub									
DDA - Review by IP / DC	28	28-Feb-20	26-Mar-20									Review by IP							
DDA - Review by SO	28	28-Feb-20	26-Mar-20	 							DDA -	Review by S							
DDA - Further information required by SO	12	27-Mar-20	11-Apr-20	-¦									- + + +	nation required	1 by SO				
DDA - 2nd Sub	0	11-Apr-20	11-Apr-20				- <u> </u>					• DDA - 2	2nd Sub						
DDA - 2nd Review by SO	14	14-Apr-20	27-Apr-20											2nd Review by					
DDA - SO Consent for Construction	0	27-Apr-20	27-Apr-20	 <u>-</u>					fa ula da lí e a				- UDA - \$	SU Consent to	r C onstruction				
Temporary Hoarding and foundation	48	08-Nov-19	06-Jan-20		•			Hoarding and											
DDA - Draft - Preparation by Designer	18	08-Nov-19	28-Nov-19			DDA - Draft - Preparat DDA - Draft - Final													
DDA - Draft - Final Review and prepare for 1st Sub	3	29-Nov-19	02-Dec-19				Review and prepare	enor ist Sub											
DDA - 1st Sub	0	10 D 10	02-Dec-19			◆ DDA - 1st Sub													
DDA - Review by DC	28	10-Dec-19	06-Jan-20																
DDA - Review by SO	35	03-Dec-19	06-Jan-20																
DDA - SO Consent for Construction	0	24.0-1.40	06-Jan-20				DDA - SO C												
AT-GRADE ROAD [AGR]	202	31-Oct-19	07-Jul-20						· · ·										
DDA AGR - Roadworks	162	31-Oct-19	19-May-20					1 1		1 1 1		1	1 1 1				1		DDA AGR - Roadw
Page 4 of 18 Milestone															Date	Revis	sion	Checked	Approved
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Data Date: 31-May-20										113						00V0		WYu	
			fc	or D	evelop	ments at	South A	pron				BOUYO RAVAUX I	UES			01V0		SPa/LLo	WYu
Project ID: T210010-10 Progress Milestone				_	1-			1			T	RAVAUX I	PUBLICS			10100			

Progress Milestone \diamond Progress Bar

Summary

BOUTGUES TRAVAUX PUBLICS

Activity Name	Dur	01V0 Start	01V0 Finish	2019 2020
				November December January February March April May June July August 27 03 10 17 24 01 08 15 22 29 05 12 19 26 02 09 16 23 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 23 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 03 10 17 24 31 07 14 21 28 05 12 19 26 02 19 26 23 10 17 24 31 07 14 21 28 05 12 19 26 02 14 21 28
AIP - Draft - Preparation by Designer	95	31-Oct-19	25-Feb-20	AIP - Draft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub	30	26-Feb-20	31-Mar-20	AIP - Draft - Final Review and prepare for 1s Sub
AIP - 1st Sub	0	31-Mar-20	31-Mar-20	AIP - 1st Sub
AIP - Review by IP / DC	28	01-Apr-20	28-Apr-20	AIP - Review by IP / DC
AIP - Review by SO	28	01-Apr-20	28-Apr-20	AIP - Review by SO
AIP - Review by GEO via SO	35	01-Apr-20	05-May-20	AIP - Review by GEO via SO
AIP - Prepare for 2nd Sub	7	29-Apr-20	05-May-20	AIP - Prepare for 2nd Sub
AIP - 2nd Sub	0	05-May-20	05-May-20	AIP - 2nd Sub
AIP - 2nd Review by SO	14	06-May-20	19-May-20	AIP - 2nd Review by SO
AIP - SO Consent for DDA Submission	0	19-May-20	19-May-20	AIP - SO Consent for DDA Submission
DDA AGR - Permanent Utility Design	202	31-Oct-19	07-Jul-20	
DDA - Draft - Preparation by Designer	95	31-Oct-19	25-Feb-20	DDA - Draft- Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	30	26-Feb-20	31-Mar-20	DDA - Draft- Final Review and prepare for 1st Sub
DDA - 1st Sub	0		31-Mar-20	♦ DDA - 1st Sub
DDA - Review by IP / DC	28	01-Apr-20	28-Apr-20	DDA - Revièw by IP / DC
DDA - Review by GEO via SO	35	01-Apr-20	05-May-20	DDA - Review by GEO via SO
DDA - Review by SO	35	01-Apr-20	05-May-20	DDA-Review by SO
DDA - Further information required by SO	30	06-May-20	09-Jun-20	DDA - Further information required by SO
DDA - 2nd Sub	0		09-Jun-20	◆ DDA - 2nd Şub
DDA - 2nd Review by SO	28	10-Jun-20	07-Jul-20	DDA - 2nd Review by SO
DDA - SO Consent for Construction	0		07-Jul-20	◆ DDA - SO Consent for Construction
DEPRESSED ROAD [DPR]	263	31-Oct-19	16-Sep-20	
AIP DPR - ELS & PCRA	85	31-Oct-19	13-Feb-20	V AIP DPR - ELS & PCRA
AIP - Draft - Preparation by Designer	33	31-Oct-19	07-Dec-19	AIP - Draft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub	12	09-Dec-19	21-Dec-19	AIP - Dräft - Final Review and prepare for 1st Sub
AIP - 1st Sub	0		21-Dec-19	♦ AIP - 1st Sub
AIP - Review by IP / DC	28	22-Dec-19	18-Jan-20	AIP - Réview by IP ∜ DC AIP - Réview by SO
AIP - Review by SO	28	22-Dec-19	18-Jan-20	AIP - Réview by SO
AIP - Review by GEO via SO	35	22-Dec-19	25-Jan-20	AIP - Review by GEO via SO
AIP - Update & prepare for 2nd Sub	/	20-Jan-20	30-Jan-20	AIP - Update & prepare for 2nd Sub
AIP - 2nd Sub	0	24 1 00	30-Jan-20	AIP - 2nd Sub AIP - 2nd Review by SO
AIP - 2nd Review by SO AIP - SO Consent for DDA Submission	14 0	31-Jan-20	13-Feb-20 13-Feb-20	AIP → 2nd Review by SO AIP → SO ¢ onsent for DDA Submission
AIP - SO Consent for DDA Submission AIP DPR - Permanent Structure	114	31-Oct-19	13-Feb-20 18-Mar-20	▼ AIP - SO Consent for DDA Submission
	_	31-Oct-19 31-Oct-19		AIP DPR - Perinatein Structure
AIP - Draft - Preparation by Designer AIP - Draft - Final Review and prepare for 1st Sub	48	28-Dec-19	27-Dec-19 29-Jan-20	AIP - Draft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub	24	20-D60-19	29-Jan-20 29-Jan-20	AIP - 1st Sub
AIP - Ist Sub AIP - Review by IP / DC	28	30-Jan-20	29-Jan-20 26-Feb-20	
AIP - Review by SO	28	30-Jan-20 30-Jan-20	26-Feb-20 26-Feb-20	AIP -: Review by:SO
AIP - Review by SO AIP - Review by GEO via SO	35	30-Jan-20	20-rep-20 04-Mar-20	AIP - Review by GEO via SO
AIP - Prepare for 2nd Sub	7	27-Feb-20	04-Mar-20	AIP - Prepare for 2nd Sub
AIP - 2nd Sub	0	21100-20	04-Mar-20	◆ AIP - 2nd Şub
AIP - 2nd Review by SO	14	05-Mar-20	18-Mar-20	AIP - 2nd Review by SO
All - SO Consent for DDA Submission	0	18-Mar-20	18-Mar-20	A.ℙ SΦ Consent for DDA Submission
DDA DPR - ELS Design (Sheet Pile)	68	23-Dec-19	17-Mar-20	▼ BDALD PR -ELS Design (Sheet Pile)
DDA - Draft - Preparation by Designer	24	23-Dec-19	22-Jan-20	DDA + Draft - Preparation by Designer;
DDA - Draft - Final Review and prepare for 1st Sub	16	23-Jan-20	13-Feb-20	DDA- Draft - Final Review, and prepare for, 1st Sub
DDA - 1st Sub	0		13-Feb-20	◆ DDA- 1st Sub
DDA - Review by IP / DC	12	14-Feb-20	25-Feb-20	DDA - Reviéw by IP / DC
DDA - Review by GEO via SO	16	14-Feb-20	29-Feb-20	DDA - Review by GEO via SO
DDA - Review by SO	16	14-Feb-20	29-Feb-20	DDA - Review by SO
DDA - Further information required by SO	6	02-Mar-20	07-Mar-20	DDA - Further information required by SO
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♦ Milestone

Data Date: 31-May-20

Project ID: T210010-10

Progress Bar

Planned Bar

Summary

Critical Activity

Progress Milestone

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

BOUYGUES TRAVAUX PUBLICS

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

Activity Name	Dur	01V0 Start	01V0 Finish			2019									2020						-	
				27 03	Novemb	er 17 24	December 01 08 15 22 2	anuary 12 19	26 (February 02 09 16 23	Marc	ch 5 22 2		pril 2 19	26 03	May	24 31		21 28	J 05 1	uly	August 02 09 16 23)
DDA - 2nd Sub	0		07-Mar-20	21 00		1 27		12 13	20 0		🔶 DDA -	- 2nd Sub			20 00		24 01	07 14				
DDA - 2nd Review by SO	10	08-Mar-20	17-Mar-20		-+			 				DDA - 2	dReview	oy\$O						+		
DDA - SO Consent for Construction	0		17-Mar-20					 				DDA - SO) Conseint	for Constr	uction							
DDA DPR - ELS Design (Deep section + Perm. + Foundation)	94	23-Dec-19	20-Apr-20				· · · · · · · · · · · · · · · · · · ·	 								iii-		V DDA D	PR - ELS I	Design (I	Deep section +	Perm. + Foundation)
DDA - Draft - Preparation by Designer	36	23-Dec-19	08-Feb-20					 		DDA - Draft -	- Preparation by	y Designer										
DDA - Draft - Final Review and prepare for 1st Sub	24	10-Feb-20	07-Mar-20					 			DDA -	Draft - Fin	al Review	and prepa	re for 1st	Sub						
DDA - 1st Sub	0		07-Mar-20		-+			 			🔶 DDA -	1st Sub								++		
DDA - Review by IP / DC	18	08-Mar-20	25-Mar-20		-+			 				po po	A-Review	v by IP / D	C					+		
DDA - Review by SO	21	08-Mar-20	28-Mar-20					 					DDA - Rev									
DDA - Review by GEO via SO	21	08-Mar-20	28-Mar-20					 					DDA - Rev	iew by GE	O via SC),					· · · · · · · · · · · · · · · · · · ·	
DDA - Further information required by SO	6	30-Mar-20	06-Apr-20					 					DD/	\-Further	informat	on required l	by SD			· · · · · · · · · · · · · · · · · · ·	·	
DDA - 2nd Sub	0		06-Apr-20										♦ DDA	- 2nd Sul	b					++		
DDA - 2nd Review by SO	14	07-Apr-20	20-Apr-20											DD	A - 2nd F	eview by SC	о С					
DDA - SO Consent for Construction	0	20-Apr-20	20-Apr-20					 						DD	A - \$0 C	onsent for C	Constructio	on i				
DDA DPR - Horizontal Element + Pump Test + DCRA	103	14-Feb-20	18-Jun-20					 		V								+			·	▼ DDA
DDA - Draft - Preparation by Designer	24	14-Feb-20	12-Mar-20					 			DI	DA - Draft	Preparatio	on by Desi	gner		>					
DDA - Draft - Final Review and prepare for 1st Sub	18	13-Mar-20	02-Apr-20					 								and prepare	e for 1st S	Sub			·	
DDA - 1st Sub	0	02-Apr-20	02-Apr-20					· i ·					🔶 DDA -	1st¦Sub		·						
DDA - Review by IP / DC	28	03-Apr-20	30-Apr-20					 						- i - i	📕 🛛 DDA	-Reviewby						
DDA - Review by GEO via SO	35	03-Apr-20	07-May-20				LLLLLLL	 								DDA - Revie	iew b <mark>y</mark> GE	O via SO			l	
DDA - Review by SO	35	03-Apr-20	07-May-20					 								DDA - Revie	iew by SC)				
DDA - Further information required by SO	24	08-May-20	04-Jun-20															DDA - Fur	ther inforn	nation red	quired by SO	
DDA - 2nd Sub	0		04-Jun-20					 									•	DDA - 2nd	Sub			
DDA - 2nd Review by SO	14	05-Jun-20	18-Jun-20															·	DDA - 2n	d Review	/ by SO	
DDA - SO Consent for Construction	0		18-Jun-20					 								// / / / / / / / /		•	DDA - SC	Conser	t for Con¦struct	on
Technical Note - King Post	121	30-Jan-20	26-Jun-20					 	V		+							+		++	· · · · · · · · · · · · · · · · · · ·	
DDA - Draft - Preparation by Designer	37	30-Jan-20	12-Mar-20					 			DI	DA - Draft	Preparatio	on by Desi	gner							
DDA - Draft - Final Review and prepare for 1st Sub	18	13-Mar-20	02-Apr-20										DDA -	Draft - Fin	al Review	and prepare	e for 1st S	Sub			·	
DDA - 1st Sub	0	02-Apr-20	02-Apr-20					 					🕈 DDA -	1st:Sub							·	
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DDA - SO Consent for Construction	0		26-Jun-20																DD/	A - SO C	onsent for Con	struction
DDA DPR - Permanent Structure	124	21-Apr-20	16-Sep-20											V								
DDA - Draft - Preparation by Designer	40	21-Apr-20	08-Jun-20												1			DDA - I	Draft - Pre	þaratión	byDesigner	
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WEST VENTILATION BUILDING [WVB]	280	31-Oct-19	08-Oct-20											· · ·								
AIP WVB - ELS Design & PCRA	70	17-Jan-20	14-Apr-20					V							:							AIP W
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Page 6 of 18																	Da	ate	Revisi	on	Checked	Approved

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♦ Milestone
 Planned Bar

Data Date: 31-May-20

Project ID: T210010-10

Progress Milestone
 Progress Bar

Summary

Critical Activity

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

Activity Name	Dur	01V0 Start	01V0 Finish		2019							2020			
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AIP - 2nd Sub	0	31-Mar-20	31-Mar-20								AIP - 2nd Sub				·····
AIP - 2nd Review by SO	14	01-Apr-20	14-Apr-20									- 2nd Review by SO			·iii
AIP - SO Consent for DDA Submission	0	14-Apr-20	14-Apr-20									- \$O Consent for DDA Su	ubmission		
AIP WVB - Permanent Structure	148	31-Oct-19	02-May-20					+							- Permanent Structure
AIP - Draft - Preparation by Designer	87	31-Oct-19	15-Feb-20					+		AIP - Draft - Preparation by De	signer				
AIP - Draft - Final Review and prepare for 1st Sub	24	17-Feb-20	14-Mar-20					+				nd prepare for 1st Sub			
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AIP - Review by SO	28	15-Mar-20	11-Apr-20									Review by SO			
AIP - Review by GEO via SO	35	15-Mar-20	18-Apr-20									AIP - Review by <u>GEO via</u>	50		
AIP - Prepare for 2nd Sub	7	12-Apr-20	18-Apr-20									AP - Prepare for 2nd Sub			
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AIP - SO Consent for DDA Submission	0	02-May-20	02-May-20									AIP - SO Conse		sion	
DDA WVB - ELS Design (DCRA + Dewatering & Pumping Test)	114	25-Feb-20	14-Jul-20					+		V					
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Page 7 of 18		1										1	Date	Revision	Checked Approved

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- Data Date: 31-May-20
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- Project ID: T210010-10
- Progress Milestone
 Progress Bar

Milestone

Summary

Planned Bar

Critical Activity

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



Date	Revision	Checked	Approved
05-Nov-19	00V0	WYu	
18-Dec-19	00V1	WYu	
22-Feb-20	01V0	SPa/LLo	WYu
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Activity Name	Dur	01V0 Start	01V0 Finish	2019	2020
				November December 27 03 10 17 24 01 08 15 22	January February March April May June July August 2 29 05 12 19 26 02 09 16 23 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 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 19 16 23 10
AIP - Review by SO	28	27-Aug-20	23-Sep-20		
AIP - Review by GEO via SO	35	27-Aug-20	30-Sep-20		
AIP South Apron Adit - Permanent Structure	98	16-Mar-20	15-Jul-20		Al
AIP - Draft - Preparation by Designer	34	16-Mar-20	27-Apr-20		AIP - Draft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub	24	28-Apr-20	27-May-20		AP - Draft - Final Review and prepare for 1st Sub
AIP - 1st Sub	0	27-May-20	27-May-20		AP - 1st Sub
AIP - Review by IP / DC	28	28-May-20	24-Jun-20		AlP -;Review by;IP / DC
AIP - Review by SO	28	28-May-20	24-Jun-20		AIP - Review by SO
AIP - Review by GEO via SO	35	28-May-20	01-Jul-20		AIP - Review by GEO via SO
AIP - Prepare for 2nd Sub	7	25-Jun-20	01-Jul-20		AIP - Prepare fot 2nd Sub
AIP - 2nd Sub	0		02-Jul-20		♦ AIP - 2nd Sub
AIP - 2nd Review by SO	14	02-Jul-20	15-Jul-20		AIP - 2nd Review by \$O
AIP - SO Consent for DDA Submission	0		15-Jul-20		♦ AIP - SO Çonsent for DDA Submit
DDA South Apron Adit - ELS Design / Pumping Test	30	27-Aug-20	30-Sep-20		
DDA - Draft - Preparation by Designer	30	27-Aug-20	30-Sep-20		
DDA South Apron Adit - Permanent Structure	45	16-Jul-20	05-Sep-20		
DDA - Draft - Preparation by Designer	45	16-Jul-20	05-Sep-20		
SOUTH APRON ROAD WORKS	272	31-Oct-19	26-Sep-20		
General ELS Design for Underground Utilities	164	31-Oct-19	21-May-20		General ELS Design for Underground Utilities
DDA - Draft - Preparation by Designer	81	31-Oct-19	08-Feb-20		DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	18	10-Feb-20	29-Feb-20		DDA - Draft - Final Review and prepare for 1st Sub
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DDA - Review by IP / DC	28	01-Mar-20	28-Mar-20		DDA - Réview by IP / DC
DDA - Review by GEO via SO	35	01-Mar-20	04-Apr-20		DDA - Review by GEO via SO
DDA - Review by SO	35	01-Mar-20	04-Apr-20		DDA - Review by SO
DDA - Further information required by SO	24	06-Apr-20	07-May-20		DDA- Further in formation required by SO
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DDA - 2nd Review by SO	14	08-May-20	21-May-20		DDA <mark>-</mark> 2nd Review by SO
DDA - SO Consent for Construction	0	21-May-20	21-May-20		DDA - SO Consent for Construction
Road S20 - Permanent Utility Design	165	31-Oct-19	22-May-20		
DDA - Draft - Preparation by Designer	63	31-Oct-19	15-Jan-20		DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	30	16-Jan-20	22-Feb-20		DDA - Draft - Final Review and prepare for 1st Sub
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DDA - Review by GEO via SO	35	23-Feb-20	28-Mar-20		DDA - Review by GEO via SO
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DDA - Further information required by SO	30	30-Mar-20	08-May-20		DDA - Further information required by \$0
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DDA - SO Consent for Construction	0	22-May-20	22-May-20		DDA - SQ Consent for Construction
Road S20 - Alignment, Traffic Sign, Road Marking and Traffic Lig	112	16-Jan-20	03-Jun-20		Road S20 - Alignment, Traffic Sign, Road Markir
DDA - Draft - Preparation by Designer	30	16-Jan-20	22-Feb-20		DDA - Draft - Preparation by Designer
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DDA - Review by GEO via SO	35	08-Mar-20	11-Apr-20		DDA - Review by GEO via SO
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Road S20 - Roadworks	93	24-Feb-20	16-Jun-20		V Road S20 - Road works
Page 8 of 18 Milestone					Date Revision Checked Approved
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Data Date: 31-May-20					
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Project ID: T210010-10 ♦ ♦ Progress Milestone Progress Bar				•	
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Summary



Activity Name	Dur	01V0 Start	01V0 Finish			2019									20	20				1		
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DDA - Review by IP / DC	28	22-Mar-20	18-Apr-20												DDA - R	eview by IP /	/ DC					
DDA - Review by GEO via SO	35	22-Mar-20	25-Apr-20						[D	A - Review by	y GEO vi	SO				
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DDA - SO Consent for Construction	0	22-May-20	22-May-20 22-May-20															- SO Consent for Con	truction			·
[STE] District Cooling System	42	10-Aug-20	26-Sep-20								+											<u>+</u>
DDA - Draft - Preparation by Designer	42	10-Aug-20	26-Sep-20								+											·
[STE] Hoi Bun Road / Cheung Yip Street / Wang Chiu Road Junc	39	10-Aug-20	23-Sep-20																		V	
DDA - Draft - Preparation by Designer	39	10-Aug-20	23-Sep-20																			
SUPPORTING UNDERGROUND STRUCTURE [SUS]	159	02-Mar-20	10-Sep-20									· · · · · · · · · · · · · · · · · · ·										
Inspection Report of Existing SUS	48	02-Mar-20	29-Apr-20									· · · · · · · · · · · · · · · · · · ·				Inspection R	eport of E	xisting SUS				·+
Prepare & Submit Inspection Report	48	02-Mar-20	29-Apr-20										· · · · · · · · · · · · · · · · · · ·					ection Report				·
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C&C TUNNEL / LAUNCHING SHAFT [C&C / LS]	291	31-Oct-19	21-Oct-20	- <u> </u>							ļ											
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Page 9 of 18 Milestone																		Date Rev		Checked	Appro	ved
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Summary

Activity Name	Dur	01V0 Start	01V0 Finish			201	19									1	020							
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AIP - Review by SO	21	02-Feb-20	22-Feb-20										📕 AIP - Re	eview by SO		++								
AIP - Review by GEO via SO	28	02-Feb-20	29-Feb-20	<u> -</u>										P - Review by	GEO via SO									
AIP - Prepare for 2nd Sub	7	23-Feb-20	29-Feb-20		+									P - Prepare for										
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AIP - 2nd Review by SO	14	01-Mar-20	14-Mar-20	<u> </u>	+						+			AIP -	2nd Review b	by SO								
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TN - C&C/LS Ground Improvement Works - EBS	102	23-Dec-19	02-May-20					▼			·				V	TN - C&C/LS	ssion Ground Improv	/ementWo	orks - EBS					
DDA - Draft - Preparation by Designer	41	23-Dec-19	14-Feb-20								÷	D		Preparation by									+-	
DDA - Draft - Final Review and prepare for 1st Sub	12	15-Feb-20	28-Feb-20	++					+-					A - Draft - Fina	al Review and	prepare for 1	st Sub							
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DDA - Review by GEO via SO	35	29-Feb-20	03-Apr-20	++										. <u>.</u>		Á - Review bv						·		
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DDA - SO Consent for Construction	0	· F ·	02-May-20	1														Consent	or Constru	iction				
DDA - C&C/LS ELS Dwall (Temp Dwall)	119	23-Dec-19	21-May-20					▼			·			+			V [DDA - C&	/LS ELS	Dwall (Temp Dwa	all)			
DDA - Draft - Preparation by Designer	36	23-Dec-19	08-Feb-20							· · · · · ·	+	DDA -	Draft - Prepa	aration by Des	igner									
DDA - Draft - Final Review and prepare for 1st Sub	18	10-Feb-20	29-Feb-20		+									DA - Draft - Fir	al Review an	d prepare for 1	st:Sub						·	
DDA - 1st Sub	0		29-Feb-20	++	+						+			DA - 1st Sub		++						+		
DDA - Review by IP / DC	28	01-Mar-20	28-Mar-20	1	+								· · · · · · · · · · · · · · · · · · ·	· +		keview by IP / I	DC							
DDA - Review by GEO via SO	35	01-Mar-20	04-Apr-20	1												DA - R'eview by	GEO via SO							
DDA - Review by SO	35	01-Mar-20	04-Apr-20	1	+									· · · · · · · · · · · · · · · · · · ·		DA - Review by	SO							
DDA - Further information required by SO	24	06-Apr-20	07-May-20	1												-;;;	DDA-	Further in	ormation	required by SO				
DDA - 2nd Sub	0		07-May-20	11	÷		1							· • • • • • • • • • • • • • • • • • • •			♦ DDA-	2nd Sub						
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DDA - C&C/LS Foundation (Perm. Dwall + Foundation within Sha	105	03-Feb-20	09-Jun-20	T-+		 	1		+-+					· · · · · · · · · · · · · · · · · · ·							·····		DD	۰- C
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DDA - Draft - Final Review and prepare for 1st Sub	12	02-Mar-20	14-Mar-20	T-1			1							DDA	Draft - Final	Review and p	epare for 1st S	Sub				1		
DDA - 1st Sub	0		14-Mar-20											DDA	-1st\$ub									[
DDA - Review by IP / DC	28	15-Mar-20	11-Apr-20														w by IP / DC							
DDA - Review by GEO via SO	35	15-Mar-20	18-Apr-20													DDA -	Review by GE	0 via SO						
DDA - Review by SO	35	15-Mar-20	18-Apr-20							*							Review by SO						+-	
DDA - Further information required by SO	30	20-Apr-20	26-May-20																DA - Furth	er information rea	quired by SO			
DDA - 2nd Sub	0		26-May-20	LE]]]			♦ D	DA - 2nd S	Sub				
DDA - 2nd Review by SO	14	27-May-20	09-Jun-20																	DA - 2nd Review	vby\$O			
DDA - SO Consent for Construction	0		09-Jun-20																♦ [DA - SO Conser	nt for Construct	ion		
DDA - C&C/LS Ground Treatment for TBM Break-in	81	23-Dec-19	01-Apr-20					▼								DDA - C	&C/LS Ground	Treatmert	for TBM	Break-in				
DDA - Draft - Preparation by Designer	18	23-Dec-19	15-Jan-20								DDA - Draft -												+-	
DDA - Draft - Final Review and prepare for 1st Sub	6	16-Jan-20	22-Jan-20								DDA + D	Draft - Final	Review and p	prepare for 1st	t Sub									
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DDA - Review by IP / DC	28	23-Jan-20	19-Feb-20										DDA Rev	view by IP / D0										
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Page 10 of 18

Data Date: 31-May-20

Project ID: T210010-10

Planned Bar
 Critical Activity
 Progress Milestone
 Progress Bar

Summary

Milestone

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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

Activity Name	Dur	01V0 Start	01V0 Finish	2019 2020
				November December January February March April May June July August 27 03 10 17 24 01 08 15 22 29 05 12 19 26 02 09 16 23 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 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 10 14 21 28 05 12 19 26 10 14
DDA - Review by GEO via SO	35	23-Jan-20	26-Feb-20	DDA Review by GEO via SO
DDA - Review by SO	35	23-Jan-20	26-Feb-20	DDA - Review by SO
DDA - Further information required by SO	18	27-Feb-20	18-Mar-20	DDA + Further information required by SO
DDA - 2nd Sub	0		18-Mar-20	◆ DDA + 2nd Sub
DDA - 2nd Review by SO	14	19-Mar-20	01-Apr-20	DDA + 2nd Review by SO
DDA - SO Consent for Construction	0		01-Apr-20	DDA - SO Consent for Construction
DDA - C&C/LS ELS Strutting & Dewatering +DCRA	78	10-Jun-20	10-Sep-20	
DDA - Draft - Preparation by Designer	36	10-Jun-20	23-Jul-20	DDA- Draft - Preparation by
DDA - Draft - Final Review and prepare for 1st Sub	12	24-Jul-20	06-Aug-20	DDA- Draft - Fih
DDA - 1st Sub	0		06-Aug-20	◆ DDA- 1st Sub
DDA - Review by IP / DC	28	07-Aug-20	03-Sep-20	
DDA - Review by GEO via SO	35	07-Aug-20	10-Sep-20	
DDA - Review by SO	35	07-Aug-20	10-Sep-20	
DDA - C&C/LS Base Slab & Associated Cast-in for TBM Launching	36	07-Aug-20	17-Sep-20	
DDA - Draft - Preparation by Designer	36	07-Aug-20	17-Sep-20	
DDA - LS Tympanum Structure for TBM Launching	63	07-Aug-20	21-Oct-20	
DDA - Draft - Preparation by Designer	63	07-Aug-20	21-Oct-20	
DDA - LS Gantry Crane Foundation & Load Test	168	16-Mar-20	07-Oct-20	
DDA - Draft - Preparation by Designer	78	16-Mar-20	19-Jun-20	DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	24	20-Jun-20	20-Jul-20	DDA - Draft + Final Review an
DDA - 1st Sub	0		20-Jul-20	◆ DDA - 1st Sub
DDA - Review by IP / DC	28	21-Jul-20	17-Aug-20	
DDA - Review by GEO via SO	35	21-Jul-20	24-Aug-20	
DDA - Review by SO	35	21-Jul-20	24-Aug-20	
DDA - Further information required by SO SUB-SEA TBM TUNNEL	36	25-Aug-20	07-Oct-20	
	259	31-Oct-19	11-Sep-20	V AIP - Sub-sea Tunnel & PCRA
AIP - Sub-sea Tunnel & PCRA	116	31-Oct-19	20-Mar-20	AIP - Sub-sea runner A PCKA
AIP - Draft - Preparation by Designer	56	31-Oct-19	07-Jan-20	AIP - Draft - Friedaration by Designer
AIP - Draft - Final Review and prepare for 1st Sub AIP - 1st Sub	18 0	08-Jan-20	31-Jan-20 31-Jan-20	AIP - Drait - Finan Review and prepare for itst Sub
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AIP - Review by IP / DC AIP - Review by SO	28	01-Feb-20 01-Feb-20	28-Feb-20 28-Feb-20	AIP - Review by SO
AIP - Review by SO AIP - Review by GEO via SO	35	01-Feb-20 01-Feb-20	26-Peb-20 06-Mar-20	AIP - Review by GEO via SO
AIP - Prepare for 2nd Sub	7	29-Feb-20	06-Mar-20	AIP - Prepare for 2nd Sub
AIP - 2nd Sub	0	06-Mar-20	06-Mar-20	▲ AIP-2nd Sub
AIP - 2nd Review by SO	14	07-Mar-20	20-Mar-20	AIP - 2nd Review by SO
AIP - SO Consent for DDA Submission	0	20-Mar-20	20-Mar-20	AIP - \$0 Consent for DDA Submission
DDA - Sub-sea Tunnel - Precast Segment Lining + DCRA	116	01-Feb-20	20-Jun-20	
DDA - Draft - Preparation by Designer	37	01-Feb-20	14-Mar-20	DD/A - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	12	16-Mar-20	28-Mar-20	DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0	28-Mar-20	28-Mar-20	DD/A - 1 st Sub
DDA - Review by IP / DC	28	29-Mar-20	25-Apr-20	DDA - Review.by IP / DC
DDA - Review by GEO via SO	35	29-Mar-20	02-May-20	DDA - Review by GEO via SO
DDA - Review by SO	35	29-Mar-20	02-May-20	DDA - Ręview by SO
DDA - Further information required by SO	30	04-May-20	06-Jun-20	DDA - Further information required by SO
DDA - 2nd Sub	0		06-Jun-20	DDA - 2nd Sub
DDA - 2nd Review by SO	14	07-Jun-20	20-Jun-20	DDA 2nd Review by SO
DDA - SO Consent for Construction	0		20-Jun-20	◆ DDA SO Consent;for Construction
DDA - Special Segment for CP construction	136	30-Mar-20	11-Sep-20	
DDA - Draft - Preparation by Designer	42	30-Mar-20	22-May-20	DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	24	23-May-20	19-Jun-20	DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0		19-Jun-20	◆ DDA - 1st Sub
Page 11 of 18 Milestone		1		Date Revision Checked Approved
				4 Trunk Road T2 and Infrastructure Works
Data Date: 31-May-20				
Project ID: T210010-10			fo	or Developments at South Apron BOUYGUES 22-Feb-20 01V0 SPa/LLo WYu SPa/LLo WYu
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Progress Bar			Tł	hree Months Rolling Programme
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Activity Name	Du	r 01V0 Start	01V0 Finish		2019						2020					
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DDA - Review by IP / DC	28	20-Jun-20	17-Jul-20		1 24 0	1 00 13 22 4	29 03 12 19	20 02 09 10	0 23 01 00 13	22 29 03 12	19 20 03	10 17 24	51 07 14	21 28 05	DDA - Review	
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DDA - Further information required by SO	30		28-Aug-20													
DDA - 2nd Sub	0		28-Aug-20													•
DDA - 2nd Review by SO	14		11-Sep-20													
DDA - Sub-sea Tunnel - TBM Confinem	ent 13	•	11-Sep-20							V				·		
DDA - Draft - Preparation by Designer	42		22-May-20										A - Draft - Prepa	ation by Designe		
DDA - Draft - Final Review and prepare for 1st Sub	24		19-Jun-20												inal Review and pre	pare for 1st Sub
DDA - 1st Sub	0		19-Jun-20											DDA - 1st Sub		
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DDA - Review by GEO via SO	35		24-Jul-20											;;		Review by GEO via
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DDA - 2nd Review by SO	14	29-Aug-20	11-Sep-20									·				
DDA - Sub-sea Tunnel - Internal Structu			08-Sep-20				+									
DDA - Draft - Preparation by Designer	42		11-Aug-20											·	····	DDA - Draft
DDA - Draft - Final Review and prepare for 1st Sub	24		08-Sep-20													
CROSS PASSAGE	14		14-Sep-20											·	· · · · · · · · · · · · · · · · · · ·	
AIP - Cross Passage & PCRA	78		26-Jun-20									· · · · · · · · · · · · · · · · · · ·		A	P - Cross Passage	& PCRA
AIP - Draft - Preparation by Designer	25		22-Apr-20									ft - Preparation by	Designer			
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AIP - Review by SO	28		05-Jun-20											view by \$0		
AIP - Review by GEO via SO	35		12-Jun-20											- Review by GE	O via SO	
AIP - Prepare for 2nd Sub	7		12-Jun-20											- Prepare for 2n		
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AIP - SO Consent for DDA Submission	0		26-Jun-20												Consent for DDA Su	ubmission
DDA - Cross Passage - CP Tympanum	10	8 09-May-20	14-Sep-20									V				
DDA - Draft - Preparation by Designer	36		19-Jun-20											DDA - Draft - P	reparation by Desig	ner
DDA - Draft - Final Review and prepare for 1st Sub	18	-	13-Jul-20											·····		nal Review and pro
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DDA - Further information required by SO	24		14-Sep-20													
DDA - Cross Passage - CP TBM Jacking	Pipes 42	14-Jul-20	31-Aug-20												V	
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DDA - Draft - Final Review and prepare for 1st Sub	18		07-Feb-20						Draft - Final Review and	prepare for 1st Sub		·		·		
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DDA - Review by GEO via SO	25		03-Mar-20						DDA - Revie	ew by GEO via SO						
DDA - Review by SO	25		03-Mar-20				+		DDA - Revie			·				
DDA - Further information required by SO	6		10-Mar-20						DDA -	Further information	required by \$O	· ····································		·····		
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DDA - 2nd Review by SO	7	11-Mar-20	17-Mar-20							DA - 2nd Review b	y SO					
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Page 12 of 18	Milestone			· - ·	-		d Infract						Date	Revision	Checked	Approved
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Data Date: 31-May-20

Project ID: T210010-10

Planned Bar

Progress Bar

Summary

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

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

BOUYGUES TRAVAUX PUBLICS

Activity Name	Dur	01V0 Start	01V0 Finish			2019			2020
				27 1		lovember			January February March April May June July August
DDA - SO Consent for Construction	0	17-Mar-20	17-Mar-20	21	03	10 17 24	01 00	13 22	22 29 05 12 19 26 02 09 16 23 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 2 DDA-SD Consent for Construction
DDA CKL Junction - Allignment, Traffic Sign, Road Marking and	75	15-Jan-20	17-Apr-20						DDA CKL Junction - Allignment, Traffic Sign,
DDA - Draft - Preparation by Designer	18	15-Jan-20	07-Feb-20						DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	12	08-Feb-20	21-Feb-20						DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0	001 00-20	21-Feb-20						◆ DDA - 1st Sub
DDA - Review by IP / DC	28	22-Feb-20	20-Mar-20						
DDA - Review by GEO via SO	35	22-Feb-20	27-Mar-20						DDA - Reviewby GEO via SO
DDA - Review by SO	35	22-Feb-20	27-Mar-20						φΩA · Réview by SQ
DDA - Further information required by SO	6	28-Mar-20	03-Apr-20						DDA - Further information required by SO
DDA - 2nd Sub	0	03-Apr-20	03-Apr-20						DDA - 2nd Sub
DDA - 2nd Review by SO	14	03-Apr-20	17-Apr-20		+-				DDA - 2hd Review by SO
DDA - SO Consent for Construction	0	17-Apr-20	17-Apr-20		+-			·	DDA - SQ Consent for Construction
DDA CKL Junction - Roadworks	68	08-Feb-20	02-May-20						DDA CKL Junction - Readworks
		08-Feb-20	21-Feb-20						DDA - Draft - Preparation ;by Designer
DDA - Draft - Preparation by Designer	12		21-Feb-20 06-Mar-20					·	DDA - Draft - Final Review and prepare for 1st Sub
DDA - Draft - Final Review and prepare for 1st Sub	12	22-Feb-20							
DDA - 1st Sub	0	07 Mar 00	06-Mar-20						DDA - 1st Sub
DDA - Review by IP / DC	28	07-Mar-20	03-Apr-20		+ -				DDA - Review by GEO via SO
DDA - Review by GEO via SO	35	07-Mar-20	10-Apr-20	 -;					
DDA - Review by SO	35	07-Mar-20	10-Apr-20						DDA - Review by SQ
DDA - Further information required by SO	6	11-Apr-20	18-Apr-20						
DDA - 2nd Sub	0	18-Apr-20	18-Apr-20						DDA - 2 hd Sub
DDA - 2nd Review by SO	14	19-Apr-20	02-May-20		÷-			·	DDA - 2nd Review by SO
DDA - SO Consent for Construction	0	02-May-20	02-May-20						DDA - SO Consent or Construction
DDA CKL Junction - Street Lighting	69	22-Feb-20	18-May-20						DDA CKL Junction Street Lighting
DDA - Draft - Preparation by Designer	12	22-Feb-20	06-Mar-20						DDA - Draft - Preparation by Designer
DDA - Draft - Final Review and prepare for 1st Sub	12	07-Mar-20	20-Mar-20						DDA - Draft - Final Review and prepare for 1st Sub
DDA - 1st Sub	0		20-Mar-20						♦ DDA -1st Sub
DDA - Review by IP / DC	28	21-Mar-20	17-Apr-20						DDA - Review by IP / DC
DDA - Review by GEO via SO	35	21-Mar-20	24-Apr-20						DDA - Review by GEO via SO
DDA - Review by SO	35	21-Mar-20	24-Apr-20						DDA - Review by SO
DDA - Further information required by SO	6	25-Apr-20	04-May-20						DDA - Further information required by SO
DDA - 2nd Sub	0	04-May-20	04-May-20						DDA - 2nd Sub
DDA - 2nd Review by SO	14	05-May-20	18-May-20						DDA - 2 nd Review by SO
DDA - SO Consent for Construction	0	18-May-20	18-May-20						DDA - SO Consent for Construction
DRILL & BREAK [D&BR] / DRILL & BLAST TUNNEL [D&BL]	252	31-Oct-19	03-Sep-20						
AIP - D&BR / D&BL Tunnel & PCRA (with Temp. Support)	97	31-Oct-19	27-Feb-20						AIP - D&BR / D&BL Tunne) & PCRA (with Temp; Support)
AIP - Draft - Preparation by Designer	39	31-Oct-19	14-Dec-19		i .			AIP - Draf	- Draft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub	18	16-Dec-19	08-Jan-20						AIP - Draft - Final Review and prepare for 1st Sub
AIP - 1st Sub	0		08-Jan-20						♦ AIP - 1st Sub
AIP - Review by IP / DC	28	09-Jan-20	05-Feb-20						AIP - Review by IP / DC
AIP - Review by SO	28	09-Jan-20	05-Feb-20						AIP - Review by SO
AIP - Update & prepare for 2nd Sub	7	06-Feb-20	13-Feb-20						AIP - Update & prepare for 2nd Sub
AIP - 2nd Sub	0		13-Feb-20						♦ AIP + 2nd Sub
AIP - 2nd Review by SO	14	14-Feb-20	27-Feb-20						AIP + 2nd Review by SQ
AIP - SO Consent for DDA Submission	0		27-Feb-20						♦ AIP + SO Consent for DDA Submission
AIP - D&BR / D&BL Permanent Structure	97	09-Jan-20	09-May-20						▼ AlP - D&BR / D&BL Permanent Structure
AIP - Draft - Preparation by Designer	41	09-Jan-20	28-Feb-20						AIP - Draft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub	18	29-Feb-20	20-Mar-20						AIP - Draft - Final Review and prepare for 1st Sub
AIP - 1st Sub	0		20-Mar-20						◆ AIP- 1st Sub
AIP - Review by IP / DC	28	21-Mar-20	17-Apr-20						AIP - Review by IP / DC
AIP - Review by SO	28	21-Mar-20	17-Apr-20						
AIP - Update & prepare for 2nd Sub	7	18-Apr-20	25-Apr-20						AP - Update & prepare for 2nd Sub
Page 12 of 18					_				

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Data Date: 31-May-20

Project ID: T210010-10

Progress Milestone
 Progress Bar

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Milestone

Summary

Planned Bar

Critical Activity

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

Activity Name	Dur	01V0 Start	01V0 Finish			2019						2020				ı
					Novemb	ber 17 24	December 01 08 15 22 2	Janua 9 05 12		Febru Febru		May 6 03 10 17 24	June	1 28 05	July 12 19 26 02	August 09 16 23)
AIP - 2nd Sub	0	25-Apr-20	25-Apr-20	21 03		11 24		3 03 12	13 20	02 03		AIP - 2nd Sub	51 07 14 2			09 10 23 /
AIP - 2nd Review by SO	14	26-Apr-20	09-May-20	1	+						······	AIP - 2nd Revi	w by SO		·····	
AIP - SO Consent for DDA Submission	0	09-May-20	09-May-20	1							······································	AIP - SO Cons	ent for DDA Subm	ission	·	
DDA - Construction Blasting Assessment Report	114	14-Nov-19	01-Apr-20		V -						******-		DDA - Cor	nstruction Bla	sting Assessment Rep	ort
CBAR - Draft - Preparation by Designer	33	14-Nov-19	21-Dec-19		÷		CBAR	- Draft - Prep	aration by	Designer	••·-•					
CBAR - Draft - Final Review and prepare for 1st Sub	12	23-Dec-19	08-Jan-20		+			1 1 1			w and prepare for 1st \$ub				· · · · · · · · · · · · · · · · · · ·	
CBAR - 1st Sub	0		08-Jan-20	1-1:	+				R - 1st Sub	· · · · · · · · · · · · · · · · · · ·	······				}	
CBAR - Review by MinesD	28	09-Jan-20	05-Feb-20	++:	+						Review by MinesD				·····	
CBAR - Prepare for 2nd Sub	24	06-Feb-20	04-Mar-20	1							CBAR - Prepare for 2nd Sub				·	
CBAR - 2nd Sub	0		04-Mar-20	++	+						CBAR - 2nd Sub				·····	
CBAR - 2nd Review by MinesD	28	05-Mar-20	01-Apr-20	++	+						CBAR - 2nd Revie	v by MinesD				
CBAR - Consent for BMS Submission	0	01-Apr-20	01-Apr-20		++-						CBAR - Consent fo					·
Blasting Method Statement & Permit by BTP	120	06-Feb-20	02-Jul-20	1	+					V	······································				V Blas	ting Method State
BMS - Prepare for 1st Draft	24	06-Feb-20	04-Mar-20		+						BMS - Prepare for 1st Draft					
BMS - 1st Draft sent for review	0		04-Mar-20	1							BMS - 1st Draft sent for review				·	
BMS - Review by MinesD	28	05-Mar-20	01-Apr-20	++÷							BMS - Review by M	linesD				
BMS - Prepare for 1st Sub	24	02-Apr-20	05-May-20	++	+							BMS - Prepare fo	1st Sub			
BMS - 1st Sub	0	02 / lp: 20	05-May-20		+							♦ BMS - 1st Sub			}	
BMS - Review by MinesD 1st Sub	28	06-May-20	02-Jun-20	1							·····		BMS - Review	bv MinesD 1	st Sub	·
BMS - Issue Pre-licensing Condition by Mines	0	00 110 20	02-Jun-20	++											ondition by Mines	·
Finalize Site Setup & Site inspection by Mines	24	03-Jun-20	02-Jul-20		+									+	lize Site Setup & Site i	nspection by Min
Blasting Permit issue by Mines	0	00 0011 20	02-Jul-20	++	+										ting Permit issue by M	
DDA - D&BR / D&BL Tunnel - Temp Support for Excavation + DCF	115	09-Jan-20	30-May-20	++	+											DA - D&BR / D&
DDA - Draft - Preparation by Designer	38	09-Jan-20	25-Feb-20								DDA - Draft - Preparation by Designer					
DDA - Draft - Final Review and prepare for 1st Sub	18	26-Feb-20	17-Mar-20	++							DDA - Draft - Final Review and	Inrenare for 1st Sub			· · · · · · · · · · · · · · · · · · ·	·
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DDA - Review by IP / DC	28	18-Mar-20	14-Apr-20									eviéw by IP / DC				·
DDA - Review by GEO via SO	35	18-Mar-20	21-Apr-20								+		0			·
DDA - Review by SO	35	18-Mar-20	21-Apr-20 21-Apr-20									A - Review by GEO VIA C				·
DDA - Further information required by SO	20	22-Apr-20	16-May-20										rther information re	equired by SC	····	·
DDA - 2nd Sub	0	16-May-20	16-May-20								·····	◆ DDA - 2n			1 · · · · · · · · · · · · · · · · · · ·	·
DDA - 2nd Review by SO	14	17-May-20	30-May-20										DDA - 2nd Revie	whySO	·	
DDA - SO Consent for Construction	0	17 -1via y-20	30-May-20										DDA - SO Conse		uction:	·
DDA - D&BR / D&BL Tunnel - Lining & Internal Structure	136	21-Mar-20	03-Sep-20	∤ †∻	÷						<u> </u>					·
DDA - Draft - Preparation by Designer	42	21-Mar-20	14-May-20	++	÷						÷÷		t-Prenaration by I	Designer		·
DDA - Draft - Final Review and prepare for 1st Sub	24	15-May-20	11-Jun-20								·····		t - Preparation by I	Draft - Final R	eview and prepare for	1st Sub
DDA - Drait - Thai Neview and prepare for 1st Sub	0	13-1via y-20	11-Jun-20								·····		◆ DDA - 1			
DDA - Review by IP / DC	28	12-Jun-20	09-Jul-20		+						+++++++-+-+-+-+-+-+-+-+-+-+				DDA - Review by IP /	DC
DDA - Review by GEO via SO	35	12-Jun-20	16-Jul-20	++							·····				DDA - Review by II /	!!!
DDA - Review by SO	35	12-Jun-20	16-Jul-20	+	÷						·····				DDA - Review b	<u>-</u>
DDA - Further information required by SO	30	17-Jul-20	20-Aug-20	+							<u>+</u>					DDA
DDA - 2nd Sub	0		20-Aug-20 20-Aug-20								<u>+</u>				· · · · · · · · · · · · · · · · · · ·	◆ DDA -
DDA - 2nd Review by SO	14	21-Aug-20	03-Sep-20								++-+-+++++++++++++++++++++++++++++++					
DDA - Temporary Blast Door	111	14-Nov-19	28-Mar-20	 	V								- Temporary Blas	st Door		·
DDA - Draft - Preparation by Designer	36	14-Nov-19	27-Dec-19					DA - Draft - P	reparation	by Designe	ŧ					·
DDA - Draft - Final Review and prepare for 1st Sub	18	28-Dec-19	18-Jan-20	+	÷					· · · · · · · · · · · · · · · · · · ·	Review and prepare for 1st Sub					
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DDA - Review by IP / DC	28	19-Jan-20	15-Feb-20		¦						DDA - Review by IP / DC				L	
DDA - Review by SO	35	19-Jan-20	22-Feb-20	+												
DDA - Further information required by SO	6	24-Feb-20	29-Feb-20	++	+						DDA - Further information required by SO					
DDA - 2nd Sub	0	2710020	29-Feb-20	++							◆ DDA - 2nd Sub					
DDA - 2nd Review by SO	28	01-Mar-20	28-Mar-20	∤ -;							DDA - 2nd Review by	so			····	
	20		20-11101-20		1											<u> </u>
Page 14 of 19		1										1	Data 6		Chockod	<u> </u>

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- Data Date: 31-May-20
- Project ID: T210010-10

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Progress Bar

Milestone

Planned Bar

Critical Activity

Progress Milestone

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

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

BOUYGUES TRAVAUX PUBLICS

Activity Name	Dur	01V0 Start	01V0 Finish	2019	2020
		(November December	January February March April May June July August 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 19 26 02 09 16 23
DDA - SO Consent for Construction	0	· · · · · · · · · · · · · · · · · · ·	28-Mar-20		29 05 12 19 26 02 09 16 23 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 ◆ DDA - SD Consent; for Construction;
EAST VENTILATION BUILDING [EVB]		09-Jan-20	19-Oct-20		
AIP EVB - Permanent Structure		09-Jan-20	05-May-20		V AIP EVB - Permanent Structure
AIP - Draft - Preparation by Designer		09-Jan-20	29-Feb-20		AIP - Draft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub		02-Mar-20	14-Mar-20		AIP - Draft - Final Review and prepare for 1st Sub
AIP - 1st Sub	0	íj	14-Mar-20		♦ AIP - 1sťSub
AIP - Review by IP / DC	28	15-Mar-20	11-Apr-20		AIP - Review by IP / DC
AIP - Review by SO	28	15-Mar-20	11-Apr-20		AIP - Review by SO
AIP - Review by GEO via SO	35	15-Mar-20	18-Apr-20		AIP - Review by GEO via SO
AIP - Update & prepare for 2nd Sub	7	14-Apr-20	21-Apr-20		AIP - Ųpdate & prepare for 2nd Sub
AIP - 2nd Sub	0	21-Apr-20	21-Apr-20		AIP 2nd Sub
AIP - 2nd Review by SO	14	22-Apr-20	05-May-20	I I	AIP - 2nd Reviewby SO
AIP - SO Consent for DDA Submission	0	05-May-20	05-May-20		AIP - SO Consent for DDA Submission
DDA - EVB - Accommodation (SoA)		06-May-20	02-Oct-20		
DDA - Draft - Preparation by Designer		06-May-20	31-Jul-20		DDA - Dreft - Prep
DDA - Draft - Final Review and prepare for 1st Sub		01-Aug-20	28-Aug-20		
DDA - 1st Sub	0	· · · · · · · · ·	28-Aug-20		
DDA - Review by IP / DC		29-Aug-20	25-Sep-20		
DDA - Review by GEO via SO		29-Aug-20	02-Oct-20	k +	
DDA - Review by SO		29-Aug-20	02-Oct-20		
DDA - EVB - Permanent Structure (including Foundation)		29-Aug-20	19-Oct-20		
DDA - Draft - Preparation by Designer		29-Aug-20	19-Oct-20		
TUNNEL E&M INSTALLATION & COMMISSIONING		02-Jan-20	09-Oct-20		
AIP - Overall E&M Design		02-Jan-20	30-Sep-20		
AIP - Overan Extri Design		02-Jan-20	02-May-20		AIP - Dráft - Preparation by Désignér
AIP - Draft - Final Review and prepare for 1st Sub		02-Jan-20 04-May-20	30-May-20		AIP - Draft - Freparation by Designer
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AIP - Keview by GEO Via SO AIP - Update & prepare for 2nd Sub	36	31-May-20 13-Jul-20	22-Aug-20		
AIP - Update & prepare for 2nd Sub AIP - 2nd Sub	36	10-Jui-20	22-Aug-20 22-Aug-20		
AIP - 2nd Sub AIP - 2nd Review by SO	0	23-Aug-20	22-Aug-20 30-Sep-20	· - +	╓╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍╬╍
AIP - 2nd Review by SO AIP - E&M Tunnel Ventilation Design		23-Aug-20 02-Jan-20	30-Sep-20 30-Sep-20		
AIP - E&W TUNNET VENTILATION DESIGN AIP - Draft - Preparation by Designer		02-Jan-20 02-Jan-20	02-May-20		AIP - Dráft - Preparation by Désignér
AIP - Draft - Preparation by Designer AIP - Draft - Final Review and prepare for 1st Sub	97		-		AIP - Draft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub AIP - 1st Sub		04-May-20	30-May-20		AIR - Dram - Final Review and prepare for 1st Sub
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AIP - Review by IP / DC AIP - Review by SO		31-May-20 31-May-20			AIP - Reviewby IP / DC
AIP - Review by SO AIP - Review by GEO via SO		31-May-20 31-May-20	11-Jul-20 17-Jul-20		AIP - Review by SQ
AIP - Review by GEO via SO AIP - Update & prepare for 2nd Sub	36	31-May-20 13-Jul-20	17-Jul-20 22-Aug-20		
AIP - Update & prepare for 2nd Sub AIP - 2nd Sub		13-JUI-20	-		╓╌┊╌╴┊╌╴┊╌╴┊╌╴┊╌╴┊╌╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴
AIP - 2nd Sub AIP - 2nd Review by SO	0 39	23-Aug-20	22-Aug-20 30-Sep-20	↓ - + ↓ - ↓ -	
AIP - 2nd Review by SO AIP - E&M Air Purification System (WVB)		•			
		02-Jan-20	30-Sep-20		All Draft Proparation by Designar
AIP - Draft - Preparation by Designer	97	02-Jan-20	02-May-20		AIP - Dráft - Preparation by Designer
AIP - Draft - Final Review and prepare for 1st Sub AIP - 1st Sub		04-May-20	30-May-20		AIP - Draft - Final Review and prepare for 1st Sub
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AIP - Review by IP / DC		31-May-20	11-Jul-20		
AIP - Review by SO		31-May-20	11-Jul-20		
AIP - Review by GEO via SO		31-May-20	17-Jul-20		AIP - Review by GEO via St
AIP - Update & prepare for 2nd Sub	36	13-Jul-20	22-Aug-20	L + + +	
AIP - 2nd Sub	0]	22-Aug-20		
Page 15 of 18 Milestone					Date Revision Checked Approve
Planned Bar			2018/0	14 Trunk Road T2 ap	d Infrastructure Works
Data Date: 31-May-20				4 HUIR ROad is an	

Data Date: 31-May-20

Project ID: T210010-10

Progress Milestone **◇** Progress Bar

Summary

Critical Activity

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

Activity Name	Dur	01V0 Start	01V0 Finish			2019												2020									
		1			November 3 10 17			ecember 8 15 22 29	Janua 29 05 12			February 09 16 23	23 01	March		Apri 29 05 12		26 02	May	ay 17 24		June		July	26 0	August 02 09 16	
AIP - 2nd Review by SO	39	23-Aug-20	30-Sep-20			27			3 00 12	13 20					<u> </u>			20 00						2 10 -		00 10	
AIP - E&M Fire Services Installation	103	-	02-Oct-20		, <u>1</u> <u>1</u>		·;	+		 			· · · · · · · · · · · · · · · · · · ·	+						· · · · · · · · · · · · · · · · · · ·				, V			<u> </u>
AIP - Draft - Preparation by Designer	51	01-Jun-20	31-Jul-20				·			4			;							· · · · · · · · · · · · · · · · · · ·	+-		-+		— A'	AIP - Draft - F	Preparati
AIP - Draft - Final Review and prepare for 1st Sub	24	01-Aug-20	28-Aug-20	1	, <u>1</u>			· · · · · · · · · · · · · · · · · · ·					,+					;		1					· · · · · · · · · · · · · · · · · · ·		<u> </u>
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AIP - Review by IP / DC	28	29-Aug-20	25-Sep-20																	:							
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AIP - Review by SO	28	29-Aug-20	25-Sep-20																								
AIP - Review by GEO via SO	35	29-Aug-20	02-Oct-20											4	1					1					· · · · · · · · · · · · · · · · · · ·		
AIP - E&M Plumbing & Drainage System	103	01-Jun-20	02-Oct-20											+	1												
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AIP - Draft - Final Review and prepare for 1st Sub	24	01-Aug-20	28-Aug-20	1-1																			· · · · · · ·		· · · · · · · · · · · · · · · · · · ·		<u> </u>
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AIP - Review by GEO via SO	35	29-Aug-20	02-Oct-20	1				+-+												:			· · · · · ·				<mark>-</mark> *
AIP - E&M Electrical Installation	19	24-Aug-20	14-Sep-20	1-1:			·		.														-+				[!
AIP - Draft - Preparation by Designer	19	24-Aug-20	14-Sep-20	1-1:					.	+	-		, - i							· /				·	· · · · · · · · · · · · · · · · · · ·		
AIP CLP Submission - Power Supply to EVB & WVB	19	24-Aug-20	14-Sep-20	1-1			· · · · · · · · · · · · · · · · · · ·						;					·		· /					·		
AIP - Draft - Preparation by Designer	19	24-Aug-20	14-Sep-20	4+					. †'				+					·		:7			·		····		
AIP - E&M Tunnel Lighting Design	34	29-Aug-20	09-Oct-20	_					+												1		·				
AIP - Draft - Preparation by Designer	34	29-Aug-20	09-Oct-20	4												1					· · · · · · · · · · · · · ·				·		·
SOUTH APRON EXTERNAL WORKS	366	-	03-00F20	-	V		i	<u></u>	4-4	<u></u>			·i	4					i-	<u> </u>	4						<u> </u>
Temporary Covered Walkway Construction (TEW)	116		01-Jun-20	4			·						·;			<u> </u>		·				·····		Temr		overed Walk	Cor
	1			4							ignment Subr	hmineion						·'		·"				/ Iompo.	, al y, oc.		.Way oc.
Walkway Alignment Submission Walkway Desin Submission (Internal)	1	09-Jan-20 09-Jan-20	09-Jan-20				·		I Wans			ubmission esin Submiss		(lemet-								·····					
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Walkway Desin Submission (ICE Temp Works Cert.) & Approval	19	24-Jan-20	29-Feb-20				;							++	Desin Submis Interface partie	-	iemp wo	JIKS UCIL	.) & App	, rovai ,	- 	·····				,	
Coordination with interface parties Walkway Construction Method Statement Submission & Approval	10	24-Jan-20 18-Feb-20	17-Feb-20 14-Mar-20	4			····-						bordination	+		rties Construction N	Mothod	Contone	Subr	-incide &	A correction	· · · · · · · · · · · · · · · · · · ·			·		
Clearance for Walkway Construction & Preparation works	23 26	18-Feb-20 02-Mar-20	14-Mar-20 31-Mar-20				·		·+						Walkway y			1		3	Approval						
	26			+			·		·+'								101 VV cm.	Way our	Sliucy.	100000		ion of Steel Wall	-luvav C	'tructure (P	Subc	tractor)	
Installation of Steel Walkway Structure (By Subcontractor) Temporary Works Certification (By ICE)	4/	01-Apr-20	30-May-20				·····	·					,'		/						<mark>.</mark> ii					("acion	
Planned Completion Date		01-Jun-20	01-Jun-20 01-Jun-20										, ⁱ									orary Works Cer ed Completion D					
BTP's & SOR's Site Accomodation (Traditional Method)	135	15-Nov-19		-					<u></u>	<u></u> `			·	<u></u>	<u> </u>	<u>+</u>				/ /		BTP's & SOR	+	Accomod	tion (Tr		(Aathod)
	135 57		02-May-20	4					·			Process of Sit	Cito Acc		-tion			·				BIFSQUE			.0[] [1100		
Tendering Process of Site Accommodation Confirmation BTP Office Construction Sub-contractor		15-Nov-19 24- Jan-20	23-Jan-20	+				·					5 - 5 -		n Sub-contract			(· -{	·		····-					
		24-Jan-20	24-Jan-20						'				· · · · · · · · · · · · · · · · · · ·					·				·····					
Design Calclation and IDC Design Checking	9	29-Jan-20	07-Feb-20				·	·					.		Design Chec									·			
Design and Method Statement Submission		08-Feb-20	08-Feb-20				,;							++	ment Submiss			·		······*							
Approval of Design and MS Submission	- b	10-Feb-20	15-Feb-20	4								Αρμιο.			and MS Subm	nent Constructi		·				·····	·				
Accomodation Basement Construction	11	17-Feb-20	28-Feb-20	4												Fabrication and		·		·····		····	.		·		
Material Procement, Fabrication and Delivery	1/	10-Feb-20	28-Feb-20				·	· · · · · · · · · · · · · · · · · · ·	-+				9 - 4					4		·*		·····					
Crane Mobilisation and equipment delivery		29-Feb-20	29-Feb-20				!'		, - 						obilisation and	and equipment	. Qelivery	·				····-		·	·		
Columns Erection	4	02-Mar-20	05-Mar-20	4										++						·····*		+					
1/F Floor Beam Erection	Z	06-Mar-20	07-Mar-20												Floor Beam E		° Doof	Heint Erp/		·····		· · · · · · · · · · · · · · · · · · ·					
Roof Truss, Roof Beam & Roof Joist Erection		09-Mar-20	12-Mar-20				·						·'			, Roof Beam & al Wall, Windo						÷			·		
External Wall, Windows, Door & Gutter Installation	5	13-Mar-20	18-Mar-20				i						i			Wall, Winuo	JWS, D OU	JLAR	⊰r Instan	ation		<u> </u>	<u> </u>		<u></u>		
Page 16 of 18 Milestone																			_		Date	Revisi	sion	Check	Jked_	Appro	roved
		FD/	2018/04	4 Tr	unk '	Ro [,]	ad T	۲2 ar	d Infr	astr	uctu	ire V	Nor'	ks I							5-Nov-19			WYu		· · ·	
Data Date: 31-May-20													1011	X3							8-Dec-19			WYu	+		
Project ID: T210010-10 Project ID: T210010-10			IC	Jr Dr	ever	opr	nen	nts at S	Soutr	л Ар'	ron			17		BOU TRAVAL	JYG	JES		<u> </u>				SPa/LLo	_0	WYu	
Project ID. 1210010-10						-				-				1.		IRAVA	JA FU	DLIG				_					

Progress Milestone Progress Bar Summary

Activity Name	Dur	01V0 Start	01V0 Finish	2019 2020		
				November December January February March April May June July August 27 03 10 17 24 01 08 15 22 29 05 12 19 26 02 09 16 23 01 08 15 22 29 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 09 16 23 10 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 03 10 17 24 31 07 14 21 28 05 12 19 26 03 10 17 24 31 07 14 21 28 05 12 09 16 23 10		
Roof Panel Installation	7	14-Mar-20	21-Mar-20	Roof Panel Installation		
1/F Floor Joist and Wooden Board Laying	1	19-Mar-20	19-Mar-20	■ 1/F Floor Joist and Wooden Board Laying		
Floor Screeding	8	16-Mar-20	24-Mar-20	Floor Screeding		
Internal Walls Erection	5	21-Mar-20	26-Mar-20	Internal Walls Erection		
Trucking & Socket Installation	10	23-Mar-20	02-Apr-20	Trucking & Socket Installation		
A/C Installation	6	30-Mar-20	06-Apr-20	A/C Installation		
Cable Wiring	6	02-Apr-20	09-Apr-20	Cable Wining		
False Ceiling	5	06-Apr-20	11-Apr-20	False Ceiling		
Lighting Panel	4	09-Apr-20	15-Apr-20	Lighting Panel		
Vinyl Tiles & Toilet Tiles	4	14-Apr-20	17-Apr-20	Vinyl Tiles & Toilet Tiles		
Sanitary Wares	3	16-Apr-20	18-Apr-20	Sanitary Wares		
MCB Connection	8	16-Apr-20	24-Apr-20	M¢β Connection		
Plumb Drains & Watermain	7	20-Apr-20	27-Apr-20	Plumb Drains & Waternain		
Furniture Move in and Setting up	4	25-Apr-20	29-Apr-20	Furniture Move in and Setting up		
Site Accommodation Immigration Date	1	02-May-20	02-May-20	Site Accommodation Immigration Date		
Building Demolition	101	15-Nov-19	18-Mar-20	V Preparation		
Preparation	36	15-Nov-19	28-Dec-19	Preparation Portion D1, D2; & D4 Possession		
Portion D1, D2, & D4 Possession	0	15-Nov-19				
Site Access inspection	12	15-Nov-19	28-Nov-19	Site Access inspection		
Asbestos inspection	12	02-Dec-19	14-Dec-19			
Issue Asbestos investigation report	10	16-Dec-19	28-Dec-19	ssue Asbesto's invéstigation rèport		
Notify EPD - Asbestos removal (if required)	0	21 100 20	28-Dec-19	♦ Notify EPD - Asbestos removal (if required)		
Building Demolition	41	31-Jan-20	18-Mar-20	Building Demolition Building Demolition		
Building Demolition - Commencement	U	31-Jan-20	27 Fab 20	Building Demotition - Commencement Building demolifion in Portion D1, D2 & D4		
Building demolition in Portion D1, D2 & D4 Hoarding removal & Site Clearance	17	31-Jan-20 28-Feb-20	27-Feb-20 18-Mar-20	Building demonition in Portion D , D2 & D4		
KD-38 Achievement	0	20-1 60-20	18-Mar-20 18-Mar-20	KD-38 Achievemient		
Road S20	96	21-May-20	10-War-20 11-Sep-20			
Road S20 TTMS implementation Stage 1	0	21-May-20 21-May-20	21-May-20	Roard S20 TTMS implementation State 1		
Road S20 - Drainage / Sewerage / Watermain (Stage 1)	96	21-May-20 21-May-20	11-Sep-20			
AMAWBC	216	21-May-20 21-May-20	04-Feb-21			
Portion A1 - CUE / Drainage / Sewerage / Watermain	216	21-May-20 21-May-20	04-Feb-21			
AT-GRADE ROAD [AGR]	144	08-Jul-20	24-Dec-20			
Permanent Structure	144	08-Jul-20	24-Dec-20	╌╏┊╌╴┊╌╴┊╌╴┊╌╴┊╌╴┊╌╴┊╶╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴		
AGR - Base Slab Structure	144	08-Jul-20	24-Dec-20 24-Dec-20			
DEPRESSED ROAD [DPR]	120	06-Mar-20	31-Jul-20			
ELS system & Foundation	120	06-Mar-20	31-Jul-20			
Mobilization	24	06-Mar-20	02-Apr-20	Mobilization		
DPR - Sheet pile Installation	84	21-Apr-20	02-Api-20 31-Jul-20	DPR - Sheet pile Instr		
DPR - Sheet pile installation DPR - Predrill for H-piles foundation	24	03-Apr-20	06-May-20	DPR - Predrill for H-piles foundation		
WEST VENTILATION BUILDING [WVB]	48	13-Jun-20	10-Aug-20			
ELS system & Foundation	48	13-Jun-20	10-Aug-20	╶╹┟┊╌╴┊╌╴┊╌╴┊╌╴┊╌╴┊╌╴┊╶╴┊╌╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╶╴┊╶╴┊╴╴┊╴╴┆╴╴ <mark>╎╴╞</mark> ╌╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴╴┊╴		
Mobilization & Predrilling for H-piles Foundation	48	13-Jun-20	10-Aug-20 10-Aug-20	Mobilization 8		
SUPPORTING UNDERGROUND STRUCTURE [SUS]	40	02-Jan-20	29-Feb-20			
			29-Feb-20			
Site Inspection	48	02-Jan-20		Condition Survey to verify SUS as-built		
Condition Survey to verify SUS as-built	48 345	02-Jan-20 15-Nov-19	29-Feb-20 11-Jan-21			
C&C TUNNEL / LAUNCHING SHAFT [C&C / LS]						
Dwall & Ground Treatment	345	15-Nov-19	11-Jan-21			
Site Establishment	195	15-Nov-19	14-Jul-20			
Procurement process for Dwall / Ground Treatment	72	23-Dec-19	21-Mar-20	Procurement process for Dwall / Ground Treatment		
Grout Curtain along Public Lab - Site Setup & Rig mobilization	18	23-Mar-20	15-Apr-20	Grout Cultain along Public Lab - Site Setup & Rig mobilization		
Page 17 of 18 Milestone				Date Revision Checked Approved		
Planned Bar	ED/2018/04 Trunk Boad T2 and Infrastructure Works					
Data Date: 31-May-20						
Project ID: T210010-10			10	or Developments at South Apron BOUYGUES TRAVAUX PUBLICS BOUYGUES 22-Feb-20 01V0 SPa/LLo WYu		
Project ID. 1210010-10 Progress Bar						
Summary Summary			Tł	nree Months Rolling Programme		
			-			

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Activity Name		01V0 Start	01V0 Finish	2019								20									
					November 10 17	24	Decemb	er		January 12 19 26	February 02 09 16	23 01	March		pril 2 19 26	May 03 10 17 24	June	28 05	July 12 19 1	Augus	st 16 23)
CSM - Site Setup & Rig mobilization	18	23-Mar-20	15-Apr-20			27					02 03 10	20 01		F. F	CSM - Sit	e Setup & Rig mobiliza					<u> </u>
Dwall - Site Setup & Rig mobilization	18	23-Mar-20	15-Apr-20		+										Dwall - Si	te Setup & Rig mobiliz	a <mark>l</mark> ion				
UU coordination & Diversion [C&C Section]	123	15-Nov-19	16-Apr-20					4						· · · · · · · · · · · · · · · · · · ·	UU coor	dihation & Diversion [C	&C Section]				
Site setup at Portion M2	37	02-Mar-20	16-Apr-20	1										4	Site setu	plat Portion M2					
UU coordination & Diversion [TBM B/l Plug]	72	17-Apr-20	14-Jul-20	1-1	·													-ii	UU cobi	dination & Divers	ion [TBM
Grout Curtain along Public Lab	55	17-Apr-20	22-Jun-20		+									١	V			V (Frout Curtain	along Public Lab	
Rig mobilization at Portion N1,N2,N3	12	17-Apr-20	02-May-20		+				1							Rig mobilization at					
Grout Curtain along Public Lab	43	04-May-20	22-Jun-20															Srout Curtai	n along Publ	c Lab	
Shaft Dwall	222	17-Apr-20	11-Jan-21												7						
C&C/LS - Guide Wall Construction	97	17-Apr-20	12-Aug-20													, ,					&C/LS - G
Rig mobilization at Portion N1,N2,N3	12	08-May-20	21-May-20													Rig	obilization at Portio	N1,N2,N3			
C&C/LS - Dwall & Barrettes	194	22-May-20	11-Jan-21																		
Break-in Plug	66	15-Jul-20	29-Sep-20												V					🕂 Break-in Plu	g
B/I Plug - CSM	66	15-Jul-20	29-Sep-20		1																
SUB-SEA TBM TUNNEL - WESTBOUND	193	29-Feb-20	21-Oct-20																		
TBM Design / Fabrication / FAT / Delivery	144	29-Feb-20	22-Aug-20											V				: :		TBM Design	ı/Fabrica
Place Order	72	29-Feb-20	28-May-20										- 				Place Order				
Design	72	29-May-20	22-Aug-20		T																🗖 Desi
Site Establishment	166	01-Apr-20	21-Oct-20													V					
Temporary CLP 132kV Substation	144	02-May-20	21-Oct-20													V					
Temp CLP 132kV Substation - Earth works & Civil works	72	02-May-20	27-Jul-20																	Temp CLP 132	kV Subst
Temp CLP 132kV Substation - ABWF & E&M for CLP Access	72	28-Jul-20	21-Oct-20																		
Precast Elements Storage Yard	72	01-Apr-20	30-Jun-20		· · · · · · · · · · · · · · · · · · ·		· · ·													V Prec	cast Elem
Precast Storage Preparation	36	01-Apr-20	18-May-20		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·								1	Preca:	st Storage Preparation				
Precast Storage Gantry Crane Setup	36	19-May-20	30-Jun-20														1 1 1 1 1	Preca	st Storage G	antry Crane Setur	ρ
CHA KWO LING ROAD WORKS	205	25-Feb-20	31-Oct-20															1 1			<u> </u>
TTA Phasing	0		25-Feb-20		*								Phasing								
TMLG for XP validation	0		14-Mar-20										♦ TMLG	or XP validatio	n						
XP validated	0	15-Apr-20	15-Apr-20												XP valida						
TMLG to TD for Approval	0		21-Apr-20		· · · · · · · · · · · · · · · · · · ·										♦ ŢML	G to TD for Approval					
TMLG Approved	0		09-May-20		· · · · · · · · · · · · · · · · · · ·											TMLG Approx	<mark>d</mark> d				
Roadworks advice from RMO for TTA Implementation	0	19-May-20	19-May-20													Road	works advice from RN	10 for TTA	Implementati	on	
Wai Yip Street / Cha Kwo Ling Road Junction	138	20-May-20	31-Oct-20						ļļ.												
WYS/CKLR Junction modification	138	20-May-20	31-Oct-20		¦												;;;;;;;;				++
Wai Fat Street / Wai Yip Street Junction	138	20-May-20	31-Oct-20						ļ												
WFS/WYS Junction modification	138	20-May-20	31-Oct-20	<u>-</u>		ļ			ļ							· · · · · · · · · · · · · · · · · · ·					
DRILL & BLAST TUNNEL [D&BL]	208	01-Apr-20	09-Dec-20																		
Tunnel Excavation	208	01-Apr-20	09-Dec-20													1					
Temporary Blast Door - Installation	25	02-May-20	30-May-20						ļ								Temporary Blast D		ation		
Noise Measurement	7	01-Jun-20	08-Jun-20	<u> </u>				<u>.</u>	ļ								Noise Meas	-!	ļ		
CNP Application	18	09-Jun-20	30-Jun-20					<u>.</u>											Application		
East Portal - Blast Door Installation for Blasting Permit	72	01-Apr-20	30-Jun-20														·		ortal - Blast	Door Installation f	or Blastin
Main Equipment Mobilization	0		30-May-20	<u>-</u>					ļ								Main Equipment N				
Temp Support at Tunnel Portal	25	01-Jun-20	30-Jun-20	<u>-</u>									-++					iemp -¦ <u>∔</u> -	Support at T	unnelPortal	
WB - D&BI Tunnel - CH9268-9140 Type A - Excavation	135	03-Jul-20	09-Dec-20															1	i i i	ļi i i	

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- Data Date: 31-May-20
- Project ID: T210010-10
- Progress Milestone
 Progress Bar

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Progress Bar V Summary

Planned Bar

Critical Activity

Milestone

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

BOUYGUES TRAVAUX PUBLICS

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