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Report No.: 0165/15/ED/0591

MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT (Rev. 3)

September 2016

Client: China Harbour Engineering Co., Ltd.

- **Project:** Contract No. HY/2013/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities -Vehicle Clearance Plazas and **Ancillary Buildings and Facilities**
- **Report No.:** 0165/15/ED/0591

Prepared by: Sandra Pang

Reviewed by: Bong Yu

Certified by:

Arthur Cheng

Environmental Team Leader



Ref.: HYDHZMBEEM00_0_4836L.16

9 December 2016

By Fax (3468 2076) and By Post

AECOM Asia Co. Ltd. The PRE's Office 5 Ying Hei Road, Tung Chung, Lantau Hong Kong

Attention: Mr. Michael Tovey

Dear Sir,

Re: Agreement No. CE 48/2011 (EP) Environmental Project Office for the HZMB Hong Kong Link Road, HZMB Hong Kong Boundary Crossing Facilities, and Tuen Mun-Chek Lap Kok Link – Investigation

Contract No. HY/2013/03 – HZMB HKBCF – Vehicle Clearance Plazas and Ancillary Buildings and Facilities <u>Updated Monthly Environmental Monitoring & Audit Report for September</u> 2016

Reference is made to the Environmental Team's submission of Updated Monthly Environmental Monitoring & Audit Report for September 2016 (Rev. 3) certified by the ET Leader (ET's ref.: "MCL/ED/0713/2016/C" dated 9 December 2016) and provided to us via e-mail on 9 December 2016.

We are pleased to inform you that we have no adverse comment on the captioned submission. We write to verify the captioned submission in accordance with Condition 5.4 of the Environmental Permit No. EP-353/2009/K.

To ensure Conditions 5.4 and 5.5 of the EP can be satisfied, it is reminded that the ET Leader shall review the progress and programme of the works to check that relevant environmental laws have not been violated, and that any foreseeable potential for violating laws can be prevented and relevant Contractor(s) shall regularly copy relevant statutory and associated documents to the ET Leader so that checking can be carried out as per Section 15.2.3 and 15.2.4 of the approved EM&A manual respectively.

Thank you very much for your attention and please feel free to contact the undersigned should you require further information.

Yours faithfully, For and on behalf of Ramboll Environ Hong Kong Limited

onju

Raymond Dai Independent Environmental Checker

c.c.	HyD	Mr. Vico Cheung	(By Fax: 3188 6614)
	HyD	Mr. Ken Woo	(By Fax: 3188 6614)
	MCL	Mr. Arthur Cheng	(By Fax: 2450 8032)

 $\label{eq:projects} Q: \label{eq:projects} Q: \label{eq:projects}$

Ramboll Environ Hong Kong Limited 英環香港有限公司 21/F, BEA Harbour View Centre, 56 Gloucester Road, Wan Chai, Hong Kong Tel: 852.3465 2888 Fax: 852.3465 2899 www.Ramboll-Environ.com CHEC

Mr. Johnason Ko

Internal: DY, YH, ENPO Site

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Ramboll Environ Hong Kong Limited (formerly ENVIRON Hong Kong Limited) 21/F, BEA Harbour View Centre 56 Gloucester Road, Wan Chai Hong Kong
 Date
 09 December 2016

 Our Ref.
 MCL/ED/0713/2016/C

MateriaLab

BY HAND

Attn.: Mr. Raymond Dai, IEC

Dear Sir,

EP Condition 5.4 – Monthly EM&A Report for Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – <u>Vehicle Clearance Plazas and Ancillary Buildings and Facilities (Contract No. HY/2013/03)</u>

Pursuant to Condition 5.4 of the Environmental Permit (EP-353/2009/K) for the captioned project, we are pleased to submit the certified Monthly EM&A Report for September 2016 (Rev.3) for your verification.

Should you require further information, please do not hesitate to contact our Miss Scarlet Cheng at 3565 4156 or the undersigned at 3565 4115.

Yours faithfully, for and on behalf of MATERIALAB CONSULTANTS LIMITED

Arthur Cheng Environmental Team Leader

AC/by

c.c. AECOM – Mr. P.K. Lee, Mr. W.S. Ng, Mr. Patrick Ko RAMBOLL ENVIRON – Mr. Ray Yan, Mr. Andy Wong CHEC – Mr. Marko Chan



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EXECUTIVE SUMMARY

This Monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. HY/2013/03 "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Vehicle Clearance Plazas and Ancillary Buildings and Facilities" (includes the construction works of Contract No. HY/2013/06 "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Automatic Vehicle Clearance Support System" within Contract No. HY/2013/03 works area) (hereafter referred to as "the Contract") for the Highways Department of Hong Kong Special Administrative Region (HKSAR). Contract No. HY/2013/03 was awarded to China Harbour Engineering Co. Limited (construction works of Contract No. HY/2013/06 was awarded to ATAL Technologies Limited within Contract No. HY/2013/03 works area) (hereafter referred to as "the Contractor") and MateriaLab Consultants Limited (MCL) was appointed as the Environmental Team (ET) by the Contractor.

Contract No. HY/2013/03 (includes the construction works of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) is part of the "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities" (HZMB HKBCF) Project which is a "Designated Project" under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499) and for which an EIA Report (Register No. AEIAR-145/2009) was prepared and approved. The current Environmental Permit (EP) for HKBCF, namely No. EP-353/2009/K, was issued on 11 April 2016. These documents are available through the EIA Ordinance Register.

Commencement of Contract No. HY/2013/03 took place on 10 April 2015 while the construction works and the EM&A programme of Contract No. HY/2013/03 commenced on 29 August 2015 (commencement of Contract No. HY/2013/06 took place on 14 August 2015 while the construction works and the EM&A programme of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area commenced on 13 September 2016).

MateriaLab Consultants Limited (MCL) has been appointed by the Contractor to implement the Environmental Monitoring & Audit (EM&A) programme for the Contract in accordance with the Updated EM&A Manual for HKBCF (Version 1.0) and will be providing environmental team services for the Contract.

This is the 13th Monthly EM&A Report for the Contract which summaries findings of the EM&A programme during the reporting period from 01 September 2016 to 30 September 2016 (includes the findings of the EM&A programme of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area during the reporting period from 13 September 2016 to 30 September 2016) (the "reporting period"). The monthly EM&A programme was undertaken in accordance with the Updated EM&A Manual for HKBCF (Version 1.0). It should be noted that the air quality and noise monitoring works for the Contract are covered by Contract No. HY/2011/02 "Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works" and Contract No. HY/2011/03 "Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road – Section between Scenic Hill and HKBCF". The ET of the Contract or another ET of the HZMB project is required to conduct impact air quality monitoring at AMS6 and AMS7 and noise monitoring at NMS2 and NMS3B as part of EM&A programme if these monitoring stations are no longer covered under Contract No. HY/2010/02 and HY/2011/03. However, this is subject to ENPO's final decision on which ET should carry out the monitoring work at these stations.

The dates of site inspection for Contract No. HY/2013/03 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) during the reporting period are listed below:

Environmental Site Inspection: 01, 08, 15, 22 and 28 September 2016 (15, 22 and 28 September 2016 for Contract No. HY/2013/06 within Contract No. HY/2013/03 works area).

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Breaches of Action and Limit Levels

Summary of Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level at AMS6 shall be referred to the monthly EM&A report prepared by Contract No. HY/2011/03.

There was no Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level recorded at station AMS7 by the Environmental Team of Contract No. HY/2010/02 during the reporting period.

There was no Action and Limit Level exceedance for noise recorded at station NMS2 and station NMS3B by the Environmental Team of Contract No. HY/2010/02 during the reporting period.

There was no marine works conducted during the reporting period and therefore, no water quality impact monitoring result is reported.

There was no marine works conducted during the reporting period and therefore, no ecology monitoring result is reported.

Complaint Log

There was one complaint received in relation to the environmental impact during the reporting period.

Log No.	Environmental Complaint Ref. No.	Date of Complaint Receipt	Description
002	ENPO-C0100	22 September 2016	Water

After investigation, it was concluded that the complaint was not related to Contract No. HY/2013/03.

Notifications of Summons and Successful Prosecutions

There were no notifications of summons or prosecutions received during this reporting period.

Reporting Changes

There was no reporting change during the reporting period.

Future Key Issues

The future key issues to be undertaken in the upcoming month are:

For Contract No. HY/2013/03

- i. Site Investigation at Portion G & N;
- ii. Building at Portion A1, B, G, N, J, STP & Pumping Stations;
- iii. Piling at Portion C, STP, Area G (Bridge A1 & A9), Box Culvert B & C;
- iv. CUE Construction at Portion B, C & J;
- v. Drainage & Sewerage Work at Portion B, H1, H2, J, P, G & A1;
- vi. Radiation Screen Wall and Sign Gantry Footing at Portion B;
- vii. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert C at Portion G;
- viii. Bridge Works at A1 to A9;
- ix. Site Foundation Works at Portion K;
- x. Cover Walkway at Portion H1 & H2;
- xi. Box Culvert D at Portion A1; Shuttle kiosk & Subway at Portion E; and

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xii. Marine sediment excavation activities from the land-based works and corresponding disposal at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee.

For Contract No. HY/2013/06 within Contract No. HY/2013/03 works area

1. Conduit duct laying at CUE Kiosk.

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1. INTRODUCTION

1.1 Background

- 1.1.1 MateriaLab Consultants Limited was commissioned by China Harbour Engineering Co. Limited (also referred to as "the Contractor") to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for Contract No. HY/2013/03 "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities Vehicle Clearance Plazas and Ancillary Buildings and Facilities" (includes the construction works of Contract No. HY/2013/06 "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities Automatic Vehicle Clearance Support System" within Contract No. HY/2013/03 works area) ("the Contract") for the Highways Department of Hong Kong Special Administrative Region (HKSAR).
- 1.1.2 Contract No. HY/2013/03 (includes the construction works of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) is part of Hong Kong–Zhuhai–Macao Bridge Hong Kong Boundary Crossing Facilities (HKBCF) which is "Designated Projects", under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap 499) and for which an EIA Report (Register No. AEIAR-145-2009) was prepared and approved. The current Environmental Permit (EP) for HKBCF, namely No. EP- 353/2009/K, was issued on 11 April 2016. These documents are available through the EIA Ordinance. The general layout of the Project area is shown in Appendix A.
- 1.1.3 This is the thirteenth EM&A report to document the findings of site inspection activities and EM&A programme carried out by the Contractor of Contract No. HY/2013/03 (includes the construction works of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) from 01 September 2016 to 30 September 2016 (reporting period) under Contract No. HY/2013/03 (from 13 September 2016 to 30 September 2016 for the construction works of Contract No. HY/2013/03 works area) and is submitted to fulfil Condition 5.4 of the EP.

1.2 **Project Description**

- 1.2.1 The works to be executed under Contract No. HY/2013/03 include the following major items:
 - a. Cargo clearance facilities including kiosks for clearance of good vehicles, customs inspection platforms, X-ray building, etc.;
 - Passenger related facilities including processing kiosks and examination facilities for private cars and coaches, annexure for examination of accompanying passengers of private cars, etc.;
 - c. Accommodation/offices for the facilities (like fire station, police station, buildings for Immigration Department [ImmD], Hong Kong Customs and Excise Department [C&ED], Agriculture, Fisheries and Conservation Department [AFCD], Food and Environmental Hygiene Department [FEHD], Department of Health [DofH] etc.) of the Government departments providing services in connection with the HKBCF;
 - d. Provision of transport and miscellaneous facilities inside the HKBCF including public transport interchange (PTI), transport drop-off and pick-up areas, vehicle holding areas, passenger queuing areas, road networks, footbridges, fencing, sewerage and drainage systems, sewage treatment plant and treated effluent disposal facilities, water supply system, building services works, electronic system, and traffic control and information

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system including traffic control and surveillance system (TCSS), etc.;

- e. Provision of roads connecting the BCF to the Hong Kong Link Road (HKLR), the Tuen Mun Chek Lap Kok Link (TM-CLKL) and the Hong Kong International Airport (HKIA), expect the part of road works in HKIA entrusted to the HKLR project; and
- f. Reprovisioning of the affected HKIA's facilities, expect those affected by the Automated People Mover (APM) system such as the existing east rescue berth.
- 1.2.2 The works to be executed under Contract No. HY/2013/06 within Contract No. HY/2013/03 works area include the following major items:
 - a. The Automatic Vehicle Clearance Support System amid to increasing traffic flow for Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities;
 - b. Responsible for designs and develops a set of tailor-made computer monitoring and control systems to for daily security operation; and
 - c. The Clearance Workstations at 72 vehicle clearance kiosks, Customs and Excise's inbound and outbound traffic control centers as well as a Vehicle Tracking System.

1.3 **Project Organisation**

1.3.1 The Project Organisation for Environmental Works of Contract No. HY/2013/03 is shown in **Appendix B**. The contact person and telephone numbers of key personnel for the captioned project are shown in **Table 1.1**:

Table 1.1	Contact	Persons	and	Telephone	Numbers	of	Key	Personnel	(for	Contract	No.
HY/2013/0	3)								-		

Party	Position	Contact Person	Telephone No.	Fax No.
Engineer or Engineer's Representative (AECOM Asia Co. Ltd.)	Chief Resident Engineer	Mr. Michael Tovey	3985 7470	3902 8800
Environmental Project Office /	Environmental Project Office Leader	Mr. Y. H. Hui	3547 2133	3465 2899
Independent Environmental Checker	Independent Environmental Checker (IEC)	Mr. Raymond Dai	3465 2888	34652899
(Ramboll Environ Hong Kong Limited)	Environmental Site Supervisor	Mr. Ray Yan	5181 8165	3465 2899
Contractor	Site Agent	Mr. Paul Pui	9125 0700	2512 0427
(China Harbour Engineering Co. Ltd)	Environmental Officer	Mr. Marko Chan	9427 2879	2512 0427
Environmental Team (MateriaLab Consultants Limited)	Environmental Team Leader (ETL)	Mr. Arthur Cheng	3565 4115	2450 8032
24-hr Complaint Hotline			5236 7111	

1.3.2 The Project Organisation for Environmental Works of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area is shown in **Appendix B**. The contact person and telephone numbers of key personnel for the captioned project are shown in **Table 1.2**:

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Table 1.2 Contact Persons and Telephone Numbers of Key Personnel (for Contract No. HY/2013/06 within Contract No. HY/2013/03 works area)

Party	Position	Contact Person	Telephone No.	Fax No.
Engineer or Engineer's Representative (AECOM Asia Co. Ltd.)	Chief Resident Engineer	Mr. Michael Tovey	3985 7470	3902 8800
Environmental Project Office /	Environmental Project Office Leader	Mr. Y. H. Hui	3547 2133	3465 2899
Independent Environmental Checker	Independent Environmental Checker (IEC)	Mr. Raymond Dai	3465 2888	3465 2899
(Ramboll Environ Hong Kong Limited)	Environmental Site Supervisor	Mr. Ray Yan	5181 8165	3465 2899
Contractor (ATAL Technologies	Site Agent	Mr. Eric Yim	2565 3355	3162 5217
Limited)	Environmental Officer	Mr. W. Li	2565 3137	3162 5217
Environmental Team (MateriaLab Consultants Limited)	Environmental Team Leader (ETL)	Mr. Arthur Cheng	3565 4115	2450 8032
24-hr Complaint Hotline			6509 0375	

- 1.3.3 The Contract HY/2013/03 has commenced on 10 April 2015. The commencement of construction works and the EM&A programme have commenced on 29 August 2015.
- 1.3.4 The Contract HY/2013/06 has commenced on 14 August 2015. The commencement of construction works and the EM&A programme have commenced on 13 September 2016 within Contract No. HY/2013/03 works area.

1.4 Construction Programme

1.4.1 The construction programme for Contract No. HY/2013/03 (includes the construction works of HY/2013/06 within Contract No. HY/2013/03 works area) are provided in **Appendix C**.

1.5 Construction Works Undertaken during the Reporting Period

1.5.1 The construction works of Contract No. HY/2013/03 commenced on 29 August 2015 (includes the construction works of Contract No. HY/2013/06 commenced on 13 September 2016 within Contract No. HY/2013/03 works area). During this reporting period, the following major site activities were commenced:

For Contract No. HY/2013/03

- i. Site Investigation at Portion G;
- ii. Piling at Portion C, STP, Area G (Bridge A1 A5, A7b, A8 & A9), Box Culvert B & C;
- iii. Building at Portion A1, B, G, STP & Pumping Stations;
- iv. CUE Construction at Portion B, C & J;
- v. Drainage & Sewerage Work at Portion B, H1, H2, G & A1;
- vi. Radiation Screen Wall and Sign Gantry Footing at Portion B;

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- vii. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert C at Portion G;
- viii. Bridge Works at A1 to A6;
- ix. Site Foundation Works at Portion K;
- x. Cover Walkway at Portion H1 & H2; and
- xi. Marine sediment excavation activities from the land-based works and corresponding disposal at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee.

For Contract No. HY/2013/06 within Contract No. HY/2013/03 works area

- 1. Conduit duct laying at CUE Kiosk.
- 1.5.2 Refer to operation team confirmation and further checking, the reported construction works for box culverts, pumping stations and STP were confirmed land-based for Contract No. HY/2013/03 (includes the construction works of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area). There was no work activities or construction works at the seafront or in contact with marine water during the reporting period for Contract No. HY/2013/03 (includes the construction Works of Contract No. HY/2013/03 works area). There was no work activities or construction works at the seafront or in contact with marine water during the reporting period for Contract No. HY/2013/03 (includes the construction works of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area).

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2. AIR QUAILITY MONITORING

2.1 Monitoring Locations

2.1.1 The air quality monitoring works for the Contract are covered by Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao-Bridge HKBCF – Reclamation Works" and Contract No. HY/2011/03 "Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road – Section between Scenic Hill and HKBCF". The ET of the Contract or another ET of the HZMB project is required to conduct impact air quality monitoring at AMS6 and AMS7 as part of EM&A programme if these air quality monitoring stations are no longer covered under Contract No. HY/2010/02 and HY/2011/03. Figure 1 shows the locations of air monitoring stations.

Air Monitoring Station	Location
AMS6	Dragonair/CNAC (Group) Building (A80)
AMS7	Hong Kong SkyCity Marriott Hotel

2.2 Monitoring Requirements

- 2.2.1 The monitoring requirements, equipment, parameters, frequency and duration, methodology, schedule, and meteorological information are described in the monthly EM&A Reports prepared for Contract No. HY/2010/02 and HY/2011/03.
- 2.2.2 The Action and Limit levels for 1-hr TSP and 24-hr TSP are summarized in **Table 2.2**.

Monitoring Station	Action Level (µg/m ³)	Limit Level (µg/m³)			
1 hour TSP					
AMS6	360	500			
AMS7	370	500			
24 hours TSP					
AMS6	173	260			
AMS7	183	200			

Table 2.2 Action and Limit Levels for Air Quality

- 2.2.3 The event and action plan is provided in **Appendix D.**
- 2.2.4 If exceedance(s) at these stations is/are recorded by the ET of the Contract or referred by the other ET under the HZMB project to the Contract, the ET of the Contract will carry out an investigation and findings will be reported in the monthly EM&A Report.

2.3 Monitoring Results

- 2.3.1 The monitoring results for AMS6 and AMS7 are reported in the monthly EM&A Reports prepared for Contract No. HY/2011/03 and HY/2010/02 respectively.
- 2.3.2 Summary of Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level at AMS6 shall be referred to the monthly EM&A report prepared by Contract No. HY/2011/03.
- 2.3.3 There was no Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level recorded at station AMS7 by the Environmental Team of Contract No. HY/2010/02 during the reporting period.

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3. NOISE MONITORING

3.1 Monitoring Locations

3.1.1 The noise monitoring works for the Contract are covered by Contract No. HY/2010/02 "Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works". The ET of the Contract or another ET of the HZMB project is required to conduct noise monitoring at NMS2 and NMS3B as part of EM&A programme if these monitoring stations are no longer covered under Contract No. HY/2010/02. Figure 2 shows the locations of noise monitoring stations.

Table 3.1 Construction Noise Monitoring Location

ID No.	Description	
NMS2	Seaview Crescent	
NMS3B	Site Boundary of Site Office Area at WA2	

3.2 Monitoring Requirements

- 3.2.1 The monitoring requirements, monitoring equipment, monitoring parameters, frequency and duration, monitoring methodology and monitoring schedule are detailed in the monthly EM&A Reports prepared for Contract No. HY/2010/02.
- 3.2.2 The Action and Limit Levels for construction noise are defined in **Table 3.2**.

Table 3.2 Action and Limit Level for Construction Noise

Monitoring Station	Action Level	Limit Level	
For the Time	e Period 0700-1900 hrs. on Normal Weekdays		
NMS2	When one documented	75.0 dB (A) Leq (30 min.)	
NMS3B	complaint is received	70.0 dB (A) Leq (30 min.)*	

Notes: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

* Reduce to 70 dB(A) for schools and 65 dB(A) during school examination period

3.3 Monitoring Results

3.3.1 The monitoring results for NMS2 and NMS3B are reported in the monthly EM&A Reports prepared for Contract No. HY/2010/02. No noise exceedances were recorded at stations NMS2 and NMS3B by the ET of Contract No. HY/2010/02 during the reporting period.

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4. WATER QUALITY MONITORING

- 4.1 There was no marine works conducted during the reporting period and therefore, no relevant monitoring result is reported. However, ET of the Contract shall closely monitor on the status of marine works, which shall conduct monitoring when marine works commence in the future.
- 4.2 The ET of the Contract is required to conduct impact water quality monitoring as part of EM&A programme if water quality monitoring is no longer covered by another ET of the HZMB project. The ETL shall review and obtain IEC, ENPO and EPD agreement on the contract specific water quality monitoring works at least a month before the commencement of any marine works.

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5. ECOLOGY MONITORING

- 5.1 There was no marine works conducted which impacted to the ecology during the reporting period and therefore, no relevant monitoring result is reported. However, ET of the Contract shall closely monitor on the status of marine works, which shall conduct monitoring when marine works commence in the future.
- 5.2 The ET of the Contract is required to conduct ecology monitoring as part of EM&A programme if ecology monitoring is no longer covered by another ET of the HZMB project. The ETL shall review and obtain IEC, ENPO, AFCD and EPD agreement on the contract specific marine ecology monitoring works at least a month before the commencement of any marine works.

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6. DISPOSAL OF MARINE SEDIMENT EXTRACTED FROM BORED PILING WORKS

6.1 Background

- 6.1.1 After the acceptance of the review of the approved Sediment Quality Report (SQR) for this Project under EPD letter dated 19 August 2015, an approval to dispose the marine sediment extracted from bored piling for this Project was then approved under memo from Secretary, Marine Fill Committee of CEDD dated 20 August 2015 for the disposal of marine sediment extracted from bored piling works. The disposal sites allocated to this Project are the Mud Pit CMP2 of the Confined Marine Sediment Disposal Facility to the South of The Brothers (or at the East of Sha Chau). As advised by CEDD in the memo dated 19 February 2016, from 00:00 on 22 March 2016 onward, the disposal space at CMP2 of the South of The Brothers is closed and all disposal of contaminated sediment is to be carried out at CMP Vd to the East of Sha Chau (ESC).
- 6.1.2 No extracted marine sediment was treated using cement solidification/stabilisation (Cement S/S) techniques under Contract No. HY/2013/03 during this reporting period. The marine sediment extracted from this Contract was disposed to the MFC allocated disposal sites directly without treatment during this reporting period. As a practical means, the disposal operation is managed by one contractor who is also responsible for applying dumping permit and its subsequent extension applications from EPD. Contract No. HY/2013/03 has been assigned to coordinate and arrange for disposal of extracted marine sediment from all three Contracts (Contract Nos. HY/2013/02, HY/2013/03 and HY/2013/04).

6.2 Dumping Arrangements

- 6.2.1 The barge for disposal of marine sediment was morn at the temporary loading and unloading at the east shore of the HKBCF Island, which has been being used by reclamation contractor (Contract No. HY/2010/02) for reclamation activities. In terms of safety consideration and to avoid mixing of sediment between contracts, each dumping date was allocated to one Contract. The quantity of marine sediment disposed on each date was from one Contract.
- 6.2.2 During dumping, Contractor of Contract No. HY/2013/03 is responsible for transporting the marine sediment from the site area of Contract No. HY/2013/03 to the barge. The estimated quantity of marine sediment in each truck is confirmed by Resident Site Staff of Contract Nos. HY/2013/02, HY/2013/03 and HY/2013/04. The trip tickets for transportation and disposal of marine sediment are collected and checked. Contract No. HY/2013/03 as the dumping permit holder is responsible for reporting to EPD the quantity disposed of as the condition stipulated in the dumping permit. The disposal site allocated to this Project is the Mud Pit CMP Vd of the Confined Marine Sediment Disposal Facility to the East of Sha Chau (ESC) during this reporting period.

6.3 Quantity Disposed

6.3.1 Marine sediment extracted from bored piling from this Contract was disposed to allocated dumping site in September 2016. The summary of marine sediment disposed up to end September 2016 is shown in the following table:

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Table 6.1 Summary of Marine Sediment Disposed to Dumping Site

Month/Year	Quantity disposed	(in'000m ³)		
	HY/2013/02	HY/2013/03	HY/2013/04	Total
Jan 2016	1.272	1.950	0.800	4.022
Feb 2016	2.816	2.328	0.704	5.848
Mar 2016	0.600	2.464	3.942	7.006
Apr 2016	5.128	5.602	5.028	15.758
May 2016	0.000	0.000	0.000	0.000
Jun 2016	1.200	4.584	1.578	7.362
Sub-Total	11.016	16.928	12.052	39.996
Jul 2016	0.728	10.728	3.690	15.146
Aug 2016	1.784	1.544	4.428	7.756
Sep 2016	2.328	6.816	3.888	13.032
Total	15.856	36.016	24.058	75.930

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7. ENVIRONMENTAL SITE INSPECTION AND AUDIT

7.1 Site Inspection

- 7.1.1 Site audits were carried out by ET on weekly basis to monitor the implementation of proper environmental management practices and mitigation measures in the Project site.
- 7.1.2 The joint site audits for Contract No. HY/2013/03 were conducted on 01, 08, 15, 22 and 28 September 2016 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area on 15, 22 and 28 September 2016) by the representatives of Engineer, Contractor, ET and IEC (IEC for 22 September 2016).
- 7.1.3 Particular observations during the site inspection and corrective actions undertaken by the Contractor are described below:

For Contract No. HY/2013/03

<u>26 Aug 2016</u>

- 1. CHEC was reminded to increase watering for dust suppression on site. Subsequently, watering was increased for dust suppression on site. The observation was closed on 01 September 2016.
- 2. CHEC was reminded to remove general refuse accumulated at A2 Bridge area. Subsequently, general refuse was removed at A2 Bridge area. The observation was closed on 08 September 2016.

01 Sept 2016

- 1. CHEC is reminded to provide drip tray for chemicals at CUE & Box Culvert. Subsequently, chemicals were removed at CUE & Box Culvert. The observation was closed on 08 September 2016.
- 2. CHEC is reminded to remove stagnant water on site. Subsequently, stagnant water was removed on site. The observation was closed on 08 September 2016.
- 3. CHEC is reminded to ensure no oil leakage from the generator at Box Culvert. Subsequently, no oil leakage from the generator at Box Culvert. The observation was closed on 08 September 2016.

08 Sept 2016

1. CHEC was reminded to clear the stagnant water accumulated at CUE works area. Subsequently, stagnant water was cleared at CUE works area. The observation was closed on 15 September 2016.

15 Sept 2016

- 1. CHEC was reminded to clear the stagnant water accumulated at Building 037. Subsequently, stagnant water was cleared at Building 037. The observation was closed on 28 September 2016.
- CHEC was reminded to remove the general refuse accumulated at Building 037. Subsequently, general refuse was removed at Building 037. The observation was closed on 28 September 2016.

22 Sept 2016

1. CHEC was reminded to provide drip tray for chemical containers at Bridge A7 Area. Subsequently, additional drip tray was provided for chemical container at Bridge A7 Area. The observation was closed on 28 September 2016. Profit Industrial Building, 1-15 Kwai Fung Crescent, Kwai Fong, Hong Kong.

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28 Sept 2016

1. CHEC was reminded to increase watering for dust suppression on site. Follow-up actions for outstanding observation will be checked in the upcoming site inspections and reported in the coming reporting period.

For Contract No. HY/2013/06 within Contract No. HY/2013/03 works area

15 Sept 2016 1. Nil findings.

<u>22 Sept 2016</u> 1. Nil findings.

28 Sept 2016 1. Nil findings.

7.2 Advice on the Solid and Liquid Waste Management Status

- 7.2.1 The Contractor of Contract No. HY/2013/03 registered as a chemical waste producer for the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.
- 7.2.2 The monthly summary of waste flow table for Contract No. HY/2013/03 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) are detailed in **Appendix E**.
- 7.2.3 6.816 (in'000m³) of excavated marine sediment (from Contract No. HY/2013/03), 0.000 (in'000m³) of Inert C & D Wastes and 0.327 (in'000m³) of Non-inert C & D Wastes were generated (from Contract No. HY/2013/03) in this reporting period. No Inert C & D Wastes and 0.002 tonnes of paper/cardboard packaging were generated and recycled (from Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) in this reporting period.
- 7.2.4 The excavated marine mud from the land-based works was disposed of at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee. The Contractor of Contract No. HY/2013/03 shall ensure no spilling and overflowing of materials during loading / unloading / transportation is allowed.
- 7.2.5 The Contractor was reminded that chemical waste containers should be properly treated and stored temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packing, Labelling and Storage of Chemical Waste.
- 7.2.6 Contractor of Contract No. HY/2013/03's site arrangement for disposal of bentonite slurry to Tseung Kwan O Area 137 Fill Bank was checked by ET and formal consent has been obtained from Tseung Kwan O Area 137 Fill Bank for receiving used bentonite slurry generated from Contract No. HY/2013/03.

7.3 Environmental Licenses and Permits

7.3.1 The valid environmental licenses and permits for Contract No. HY/2013/03 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) during the reporting period are summarized in Appendix F.

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7.4 Implementation Status of Environmental Mitigation Measures

- 7.4.1 In response to the site audit findings, the Contractor carried out corrective actions.
- 7.4.2 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix G**. All necessary mitigation measures at this stage of works were implemented properly.
- 7.4.3 Implementation status of Regular Marine Travel Route Plan (RMTRP) was checked by ET. Training of marine travel route for marine vessels operator was given to relevant staff and relevant records were kept properly. The marine traffic records and geographical plots of all the vessels tracks to demonstrate the conformance of the vessel to the proposed route in September 2016 would be provided to ER, ETL, IEC/ENPO for checking within the month of October 2016.
- 7.4.4 With respect to condition 3.26A of EP-353/2009/K approved by EPD on 11 April 2016, the numbers and operating periods of floating grout production facilities and floating concrete batching plants on-site to review on the compliance to this EP condition were checked. Under Contract No. HY/2013/03, one floating concrete batching plant was operated on-site during the reporting period.

7.5 Summary of Exceedance of the Environmental Quality Performance Limit

- 7.5.1 Summary of Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level at AMS6 shall be referred to the monthly EM&A report prepared by Contract No. HY/2011/03.
- 7.5.2 There was no Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level recorded at station AMS7 by the Environmental Team of Contract No. HY/2010/02 during the reporting period.
- 7.5.3 There was no Action and Limit Level exceedance for noise recorded at station NMS2 and station NMS3B by the Environmental Team of Contract No. HY/2010/02 during the reporting period.
- 7.5.4 There was no marine works conducted during the reporting period and therefore, no relevant monitoring result is reported.
- 7.5.5 There was no marine works conducted during the reporting period and therefore, no ecology monitoring result is reported.

7.6 Summary of Complaints, Notification of Summons and Successful Prosecution

7.6.1 There was one complaint received in relation to the environmental impact during the reporting period. The summary of environmental complaints is presented in Table 7.1. The details of cumulative statistics of Environmental Complaints are provided in **Appendix H**.

 Table 7.1: Summary of Environmental Complaints for the Reporting Month

Log No.	Environmental Complaint Ref. No	Date of Complaint Receipt	Description
002	ENPO-C0100	22 September 2016	Water

7.6.2 The complaint was received by EPD from a member of the public on 22 September 2016 and was referred by EPD to the ENPO. Then the ENPO forwarded the complaint by email to the

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R.E. (AECOM Asia Co. Ltd.), the Contractor (China Harbour Engineering Co. Ltd.) and the ET (MateriaLab Consultants Ltd.) of Contract No. HY/2013/03 on 22 September 2016.

Details of Complaint

One complaint was forwarded by IEC on 22 September 2016, with the information provided by Ms. Catrina Chan from the EPD.

A member of the public complained about two site flat top barges came from Tuen Mun everyday and observed that whitish effluent discharged into the sea from 1800 to 0400 near Cell No. 54 to 55 of HZMB construction site which creates pollution, requests follow-up and response.

Investigation of Complaint

Date Complaint Investigated by Environmental Team: 23 September 2016

Summary of Investigation

Interview was conducted on 23 September 2016 with Mr. Marko Chan, Environmental Officer of the CHEC and site management. As confirmed with construction team of Contract No. HY/2013/03, they don't have any activities at Cell No. 54 to 55 of HZMB construction site which is outside the site boundary of Contract No. HY/2013/03. There was no flat top barges travelled to or from Tuen Mun at Cell No. 54 to 55 of HZMB construction site during complained hours i.e. 1800-0400 and there was no marine construction activity during the restricted hours from 01 to 22 September 2016.

Investigation Results

The ET of Contract No. HY/2013/03 concluded that the captioned complaint is not related to the construction site activities of our contract. Nevertheless, the contractor had been reminded to comply with the requirements stipulated in the Environmental Mitigation Implementation Schedule (EMIS) of the EM&A Manual, in particular:

Water Quality: W1 –

- 1. barges and hopper dredgers shall have tight fitting seals to their bottom openings to prevent leakage of material;
- 2. any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes;
- 3. loading of barges and hoppers shall be controlled to prevent splashing of dredged material to the surrounding water. Barges or hoppers shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation;
- 4. excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved;
- 5. adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action;
- 6. all vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; and
- 7. the works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site.

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Follow up status (complaints)

During weekly site audit on 01, 08, 15 and 22 September 2016, ET confirmed the Contractor had provided workable and effective water mitigation measures, comprising well-maintained plants without effluent discharge into the sea for the time period between 0700 and 1900 hours on normal weekdays.

Recommendation to the Contractor

The Contractor was reminded to continue to fully maintain all water quality mitigation measures.

Follow up Status (Overall)

The captioned complaint is not valid and therefore, no additional follow-up action is needed. However, ET proposed recommendation to contractor in particular to the following aspect when there are marine construction activities.

Water Quality:

- 1. barges and hopper dredgers shall have tight fitting seals to their bottom openings to prevent leakage of material;
- 2. any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes;
- 3. loading of barges and hoppers shall be controlled to prevent splashing of dredged material to the surrounding water. Barges or hoppers shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation;
- 4. excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved;
- 5. adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action;
- 6. all vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; and
- 7. the works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site.
- 7.6.3 There was no notification for summons or prosecutions received in relation to the environmental impact during this reporting period.
- 7.6.4 Statistics on environmental complaints, notifications of summons and successful prosecutions are provided in **Appendix H**.

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8. FUTURE KEY ISSUES

8.1 Construction Programme for the Coming Months

8.1.1 As informed by the Contractor, the following are the major construction activities anticipated in October 2016:

For Contract No. HY/2013/03

- i. Site Investigation at Portion G & N;
- ii. Building at Portion A1, B, G, N, J, STP & Pumping Stations;
- iii. Piling at Portion C, STP, Area G (Bridge A1 & A9), Box Culvert B & C;
- iv. CUE Construction at Portion B, C & J;
- v. Drainage & Sewerage Work at Portion B, H1, H2, J, P, G & A1;
- vi. Radiation Screen Wall and Sign Gantry Footing at Portion B;
- vii. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert C at Portion G;
- viii. Bridge Works at A1 to A9;
- ix. Site Foundation Works at Portion K;
- x. Cover Walkway at Portion H1 & H2;
- xi. Box Culvert D at Portion A1; Shuttle kiosk & Subway at Portion E; and
- xii. Marine sediment excavation activities from the land-based works and corresponding disposal at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee.

For Contract No. HY/2013/06 within Contract No. HY/2013/03 works area

1. Conduit duct laying at CUE Kiosk.

8.2 Environmental Site Inspection Schedule for the Coming Month

8.2.1 The tentative schedule for weekly site inspections for October 2016 is provided in Appendix I.

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9. CONCLUSIONS

- 9.1 Commencement of Contract No. HY/2013/03 took place on 10 April 2015. The commencement date for construction works and the EM&A programme of Contract No. HY/2013/03 commenced on 29 August 2015 (commencement of Contract No. HY/2013/06 took place on 14 August 2015. The commencement date for construction works and the EM&A programme of Contract No. HY/2013/06 commenced on 13 September 2016 within Contract No. HY/2013/03 works area).
- 9.2 Summary of Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level at AMS6 shall be referred to the monthly EM&A report prepared by Contract No. HY/2011/03.
- 9.3 There was no Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level recorded at station AMS7 by the Environmental Team of Contract No. HY/2010/02 during the reporting period.
- 9.4 There was no Action and Limit Level exceedance for noise recorded at station NMS2 and station NMS3B by the Environmental Team of Contract No. HY/2010/02 during the reporting period.
- 9.5 There was no marine works conducted during the reporting period and therefore, no water quality impact monitoring result is reported.
- 9.6 There was no marine works conducted during the reporting period and therefore, no ecology monitoring result is reported.
- 9.7 Environmental site inspections were carried out on 01, 08, 15, 22 and 28 September 2016 for Contract No. HY/2013/03 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area on 15, 22 and 28 September 2016). Recommendations on remedial actions were given to the Contractor for the deficiencies identified during the site inspections.
- 9.8 There was one complaint received in relation to two site flat top barges came from Tuen Mun everyday and observed that whitish effluent discharged into the sea from 1800 to 0400 near Cell No. 54 to 55 of HZMB construction site which creates pollution during the reporting period. After investigation, it was found that the complaint was not related to Contract No. HY/2013/03.
- 9.9 There were no notifications of summons or prosecutions received during the reporting period.

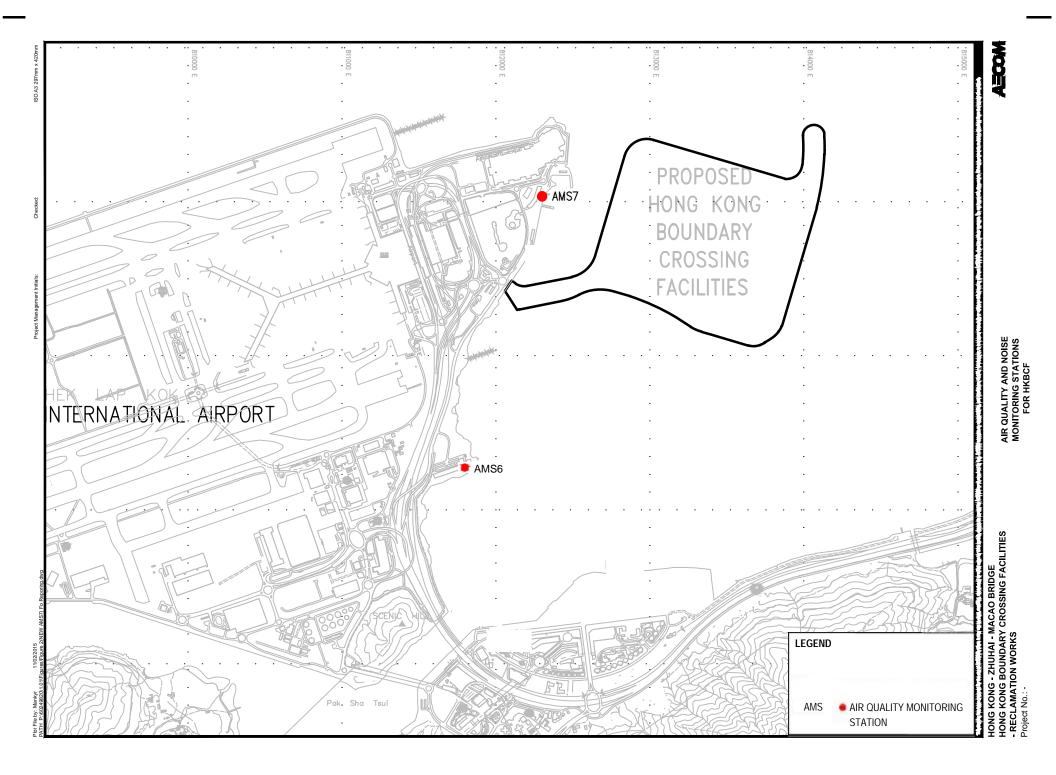
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Figure 1

Air Quality Monitoring Stations



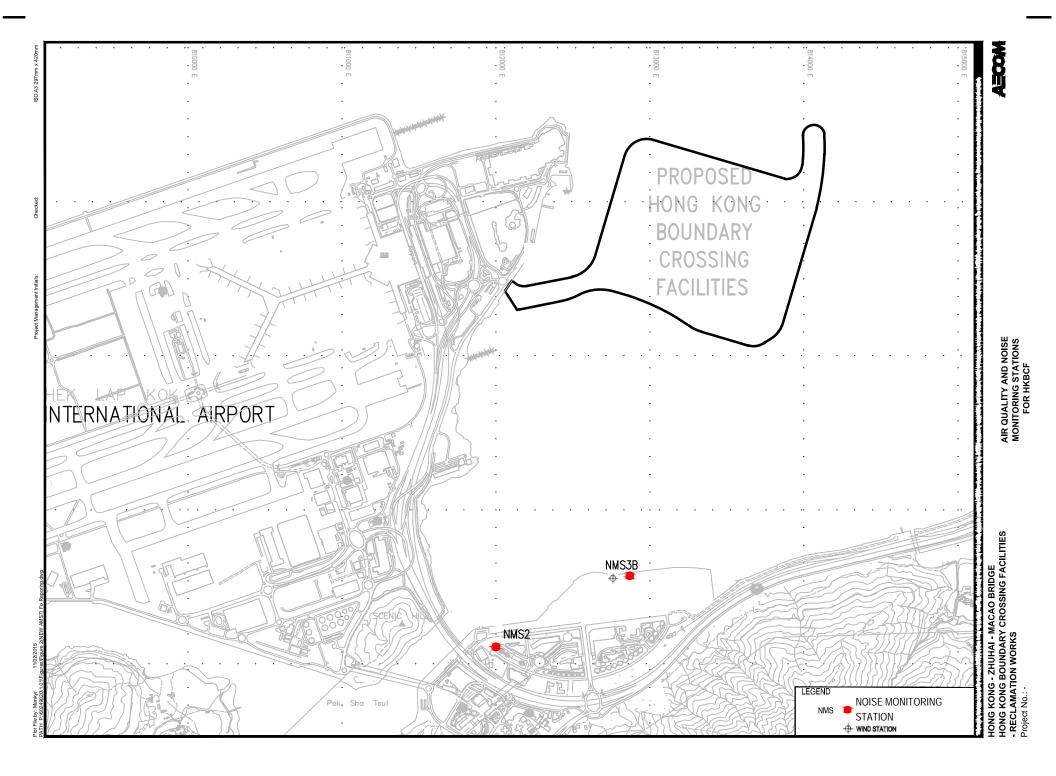
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Figure 2

Noise Monitoring Stations



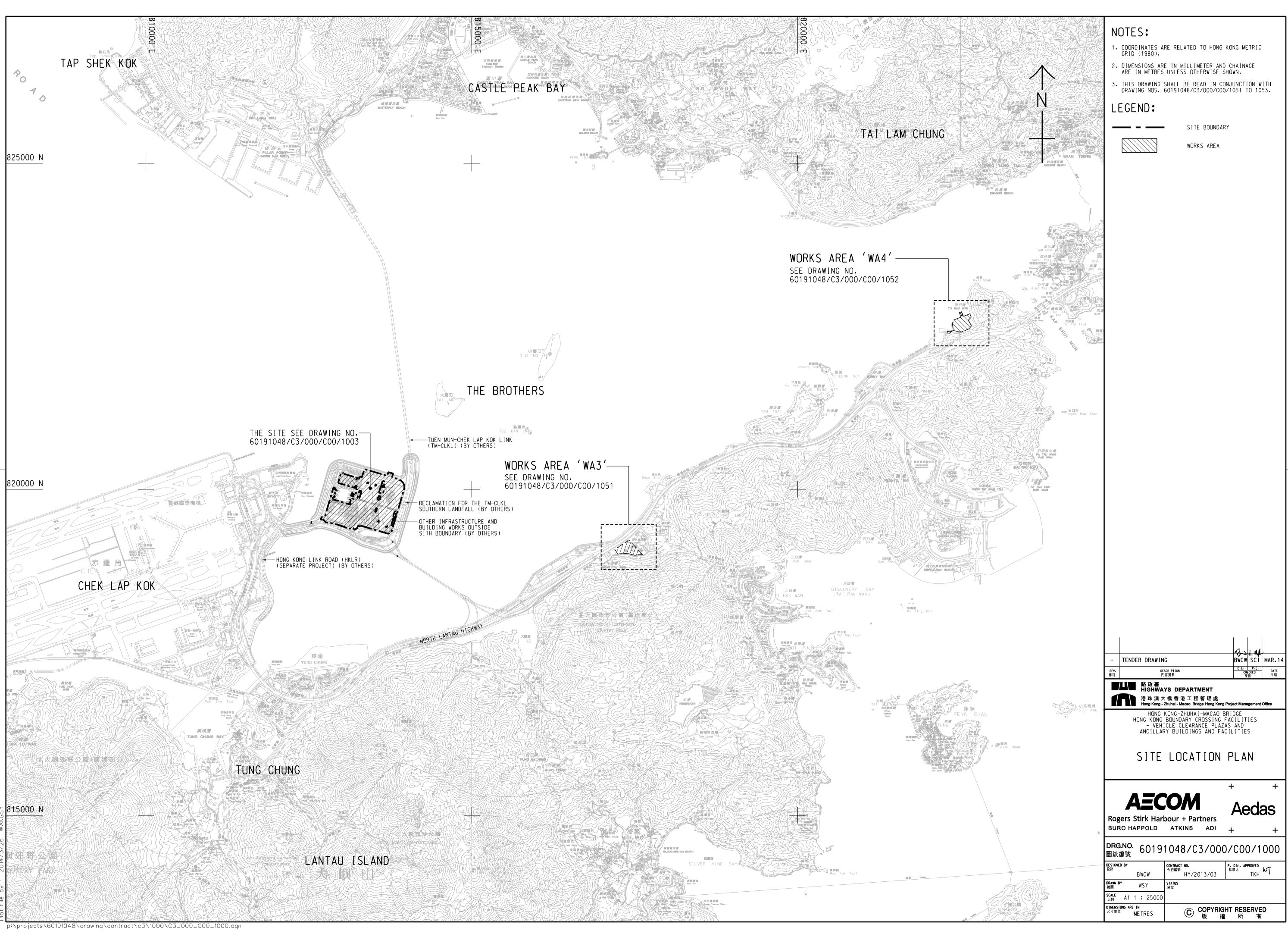
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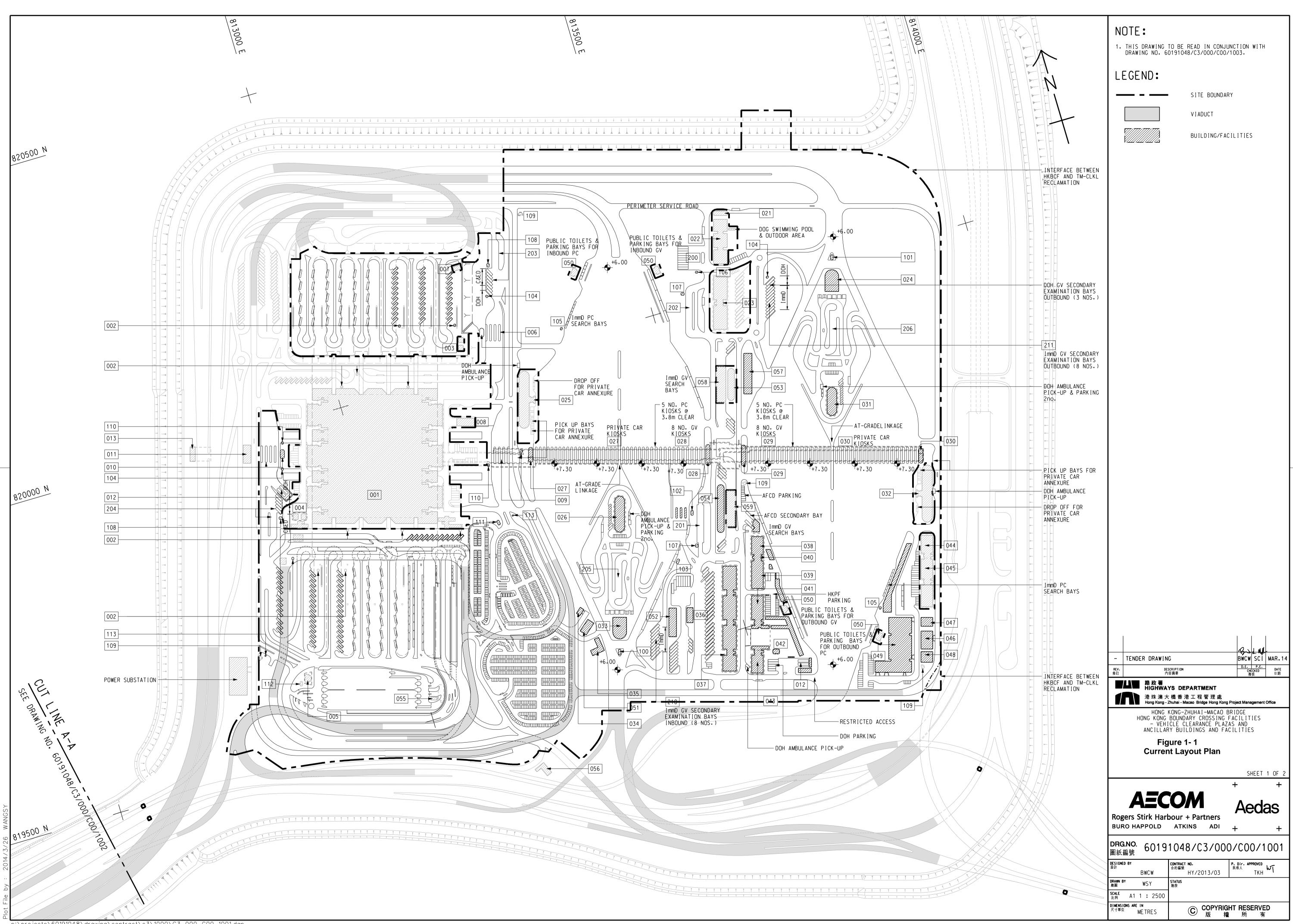
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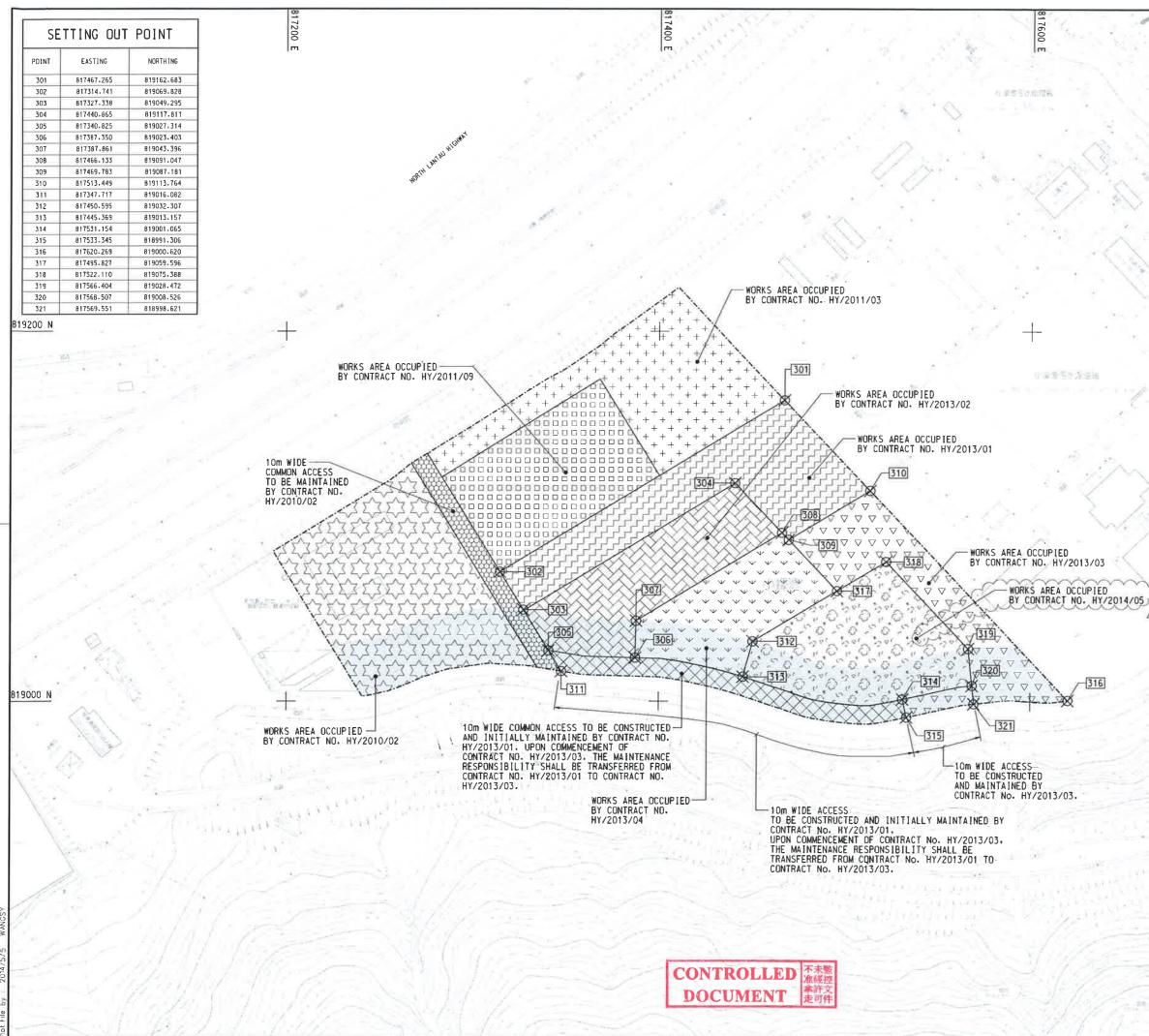
Appendix A

Location of Works Areas





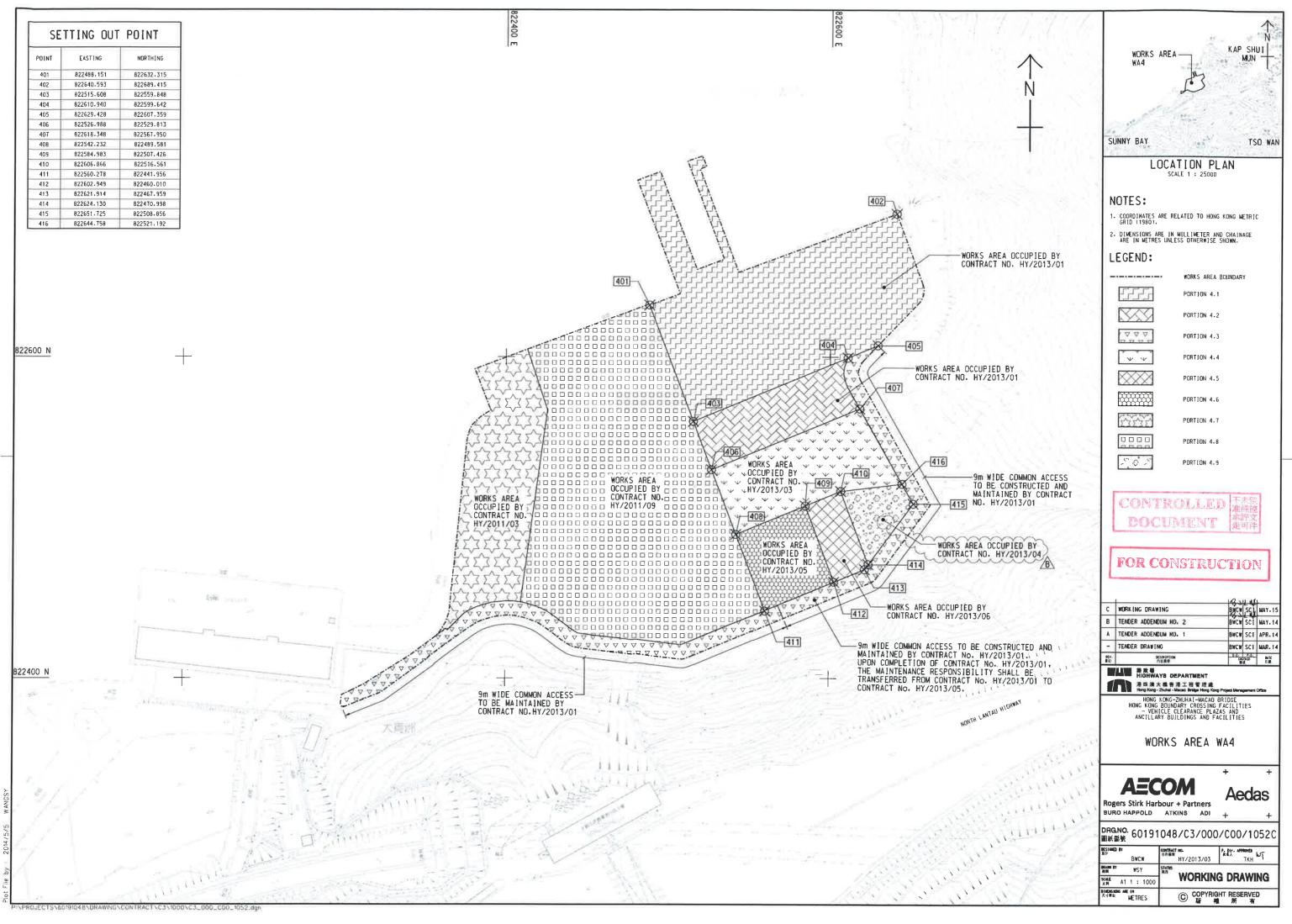
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Appendix B

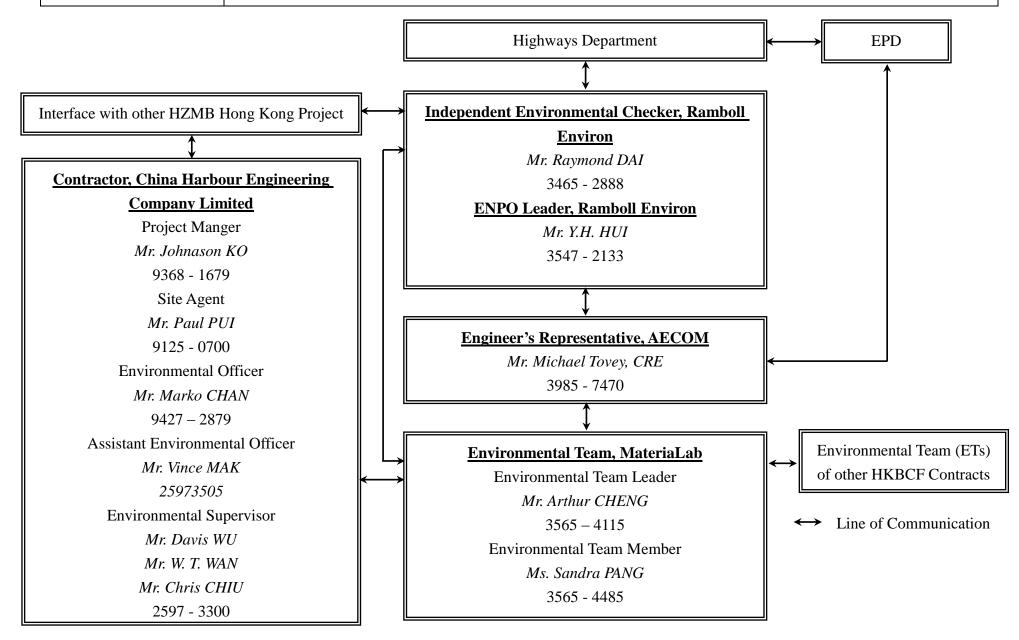
Project Organization for Environmental Works

CHINA HARBOUR ENGINEERING COMPANY LIMITED



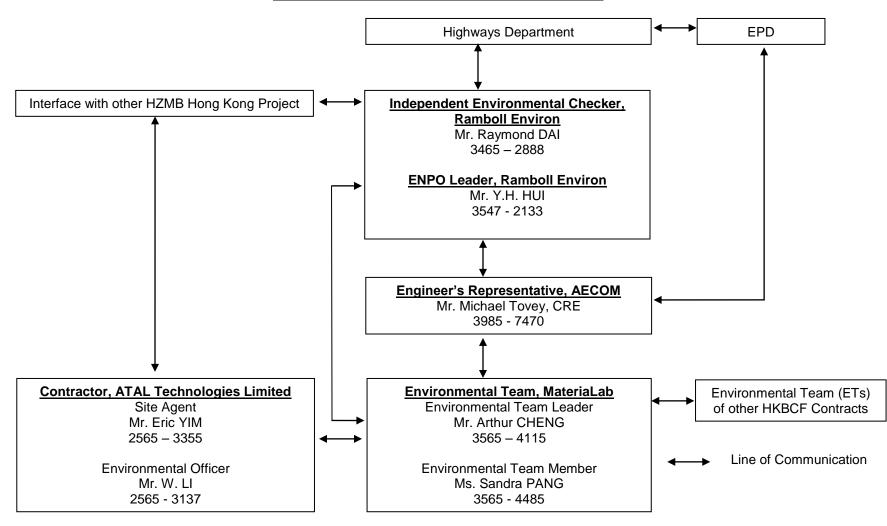
Contract No. HY/2013/03 Hong Kong-Zhuhai-Macao Bridge, Hong Kong Boundary Crossing Facilities – Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Projects Organization for Environmental Works



Contract No. HY/2013/06 (within Contract No. HY/2013/03 works area) Hong Kong-Zhuhai-Macao Bridge, Hong Kong Boundary Crossing Facilities – Automatic Vehicle Clearance Support System

Projects Organization for Environmental Works



MATERIALAB CONSULTANTS LIMITED

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Report No.: 0165/15/ED/0591

Appendix C

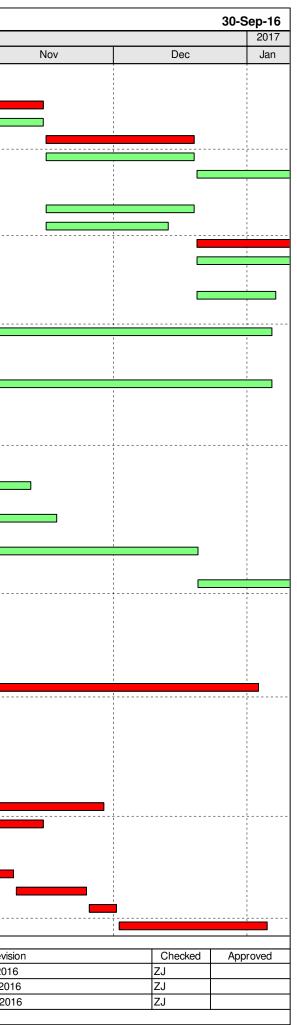
Construction Programme

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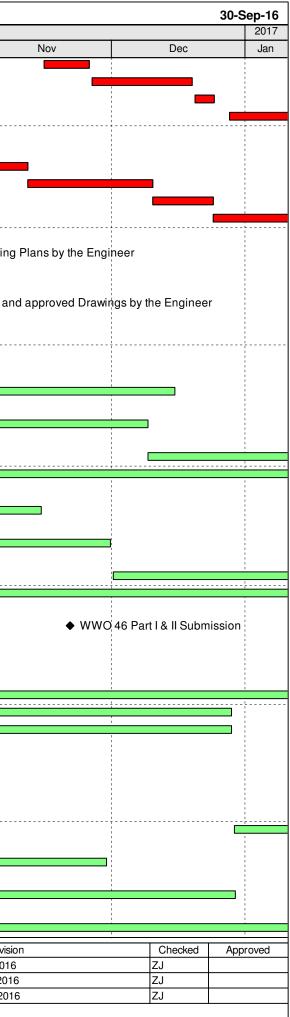
<i>i</i> ID	Activity Name	Original	Remaining Duration	% Complete S	Start Finish	Total FI			2016
		Duration					Sep	Oct	
KBCF - V	CP & Ancillary Buildings and Facilities, DWP Rev	<i>ı</i> . 3, DD 30	Sep. 16						
CONTRAC	CT DATES								
Key Dates									
A1150	KD15 Achievement of Stage 14 of the Works (548 days; 08 Oct. 16)	0	0	0%	15-Nc	ov-16* -	38		
Site Access	s & Possession								
	on of Portion of Site								• • • • • • • • • • • •
A0010	Possession of Portion A1 (<= 70 days)	0	0	100%	07-Se	ep-16 A	Possessior	n of Portion A1 (<= 70 days)	
			-						
A0020	Possession of Portion A2 (<= 75 days)	0	0	100%	07-Se	ep-16 A	 Possessior 	n of Portion A2 (<= 75 days)	
A0030	Possession of Portion B (<=100 days)	0	0	0%	30-Se	p-16* -4	39	Possession of Portion	on B (<
A0050	Possession of Portion D (<=220 days)	0	0	0%	30-Se	p-16* -3	19	Possession of Portion	on D (•
A0060	Possession of Portion E (<=160 days)	0	0	0%	30-Se	p-16* -3	79	Possession of Portion	on E∣(•
A0080	Possession of Portion G (<=225 days)	0	0	0%	30-Se	p-16* -3	14	Possession of Portion	on G (
A0090	Possession of Portion H1 (<=273 days)	0	0	0%	30-Se	p-16* -3	38	Possession of Portion	on H1
A0100	Possession of Portion H2 (<=273 days)	0	0	0%	30-Se	p-16* -3	44	Possession of Portion	on H2
A0110	Possession of Portion J (<=320 days)	0	0	0%	30-Se	p-16* -2	95	Possession of Portion	on J (<
A0150	Possession of Portion N (<=345 days)	0	0	0%	30-Se	p-16* -1	94	Possession of Portion	on N(
A0160	Possession of Portion P (<=502 days)	0	0	0%	30-Se	p-16* -	37	Possession of Portion	on P (•
A0170	Possession of Portion Q (<=500 days)	0	0	0%	30-Se	p-16* -	39	Possession of Portion	on Q (
Access to	Locations of the Site								
A0210	Contract Date for Access to Location 1.1 (490 days)	0	0	0%	30-Se	p-16* -	49	Contract Date for Ac	cess t
A0220	Contract Date for Access to Location 1.2 (405 days)	0	0	0%	30-Se	p-16* -1	34	Contract Date for Ac	cess t
A0230	Contract Date for Access to Location 1.3 (488 days)	0	0	0%	30-Se	p-16* -1	05	Contract Date for Ac	cess t
A0240	Contract Date for Access to Location 1.4 (488 days)	0	0	0%	30-Se	p-16* -1	05	Contract Date for Ac	cess t
A0250	Contract Date for Access to Location 1.5 (580 days)	0	0	0%	09-No	ov-16*	0		
A0280	Contract Date for Access to Location 1.7A (610 days)	0	0	0%	09-De	ec-16*	0		
A0290	Contract Date for Access to Location 1.7B (610 days)	0	0	0%	09-De	ec-16*	0		
A0300	Contract Date for Access to Location 1.7C (610 days)	0	0	0%	09-De	ec-16*	0		
A0310	Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days)	0	0	0%	30-Se	p-16* -1	44	 Contract Date for Ac 	cess to
A0320	Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days)	0	0	0%	30-Se	-p-16* -	24	 Contract Date for Ac 	cess to
A0330	Contract Date for Access to External Area for Contract HY/2013/01 for ELV System Installation (570 days)	0	0	0%	30-Oc	xt-16*	0		♦ C
A0340	Contract Date for Access to External Area for Contract HY/2013/02 for ELV System Installation (560 days)	0	0	0%	20-00	xt-16*	0	♦ Co	ontract
A0350	Contract Date for Access to External Area for Contract HY/2013/04 ELV System Installation (560 days)	0	0	0%	20-00	xt-16*	0	♦ Co	ontract
PRELIMIN.	ARY								
Precast Yar	rd for Bridge Segement								
A0630	Segement Manufacture	300	122	59.33% 1	7-Jun-16 A 28-Fe	b-17 1	15		
PORTION	A1				, 				· 4 - 1 1
Portion A1	Structures								
Bridge A9									
Bored Pile									1
SA9120	Bored pile for A9 Bridge, 10 no.	70	49	30% 1	7-May-16 A 28-No	ov-16 -	31		
							<u>l:</u>	Date	
Actual V	Nork ing Work	VEHICLE		PLAZAS A	I ROLLING PROG ND ANCILLARY B Page 1 of 19			Jul-16 3MRP updated as of Aug-16 3MRP updated as of	

	20 6	on 16
		ep-16 2017
Nov	Dec	Jan
1107	Bcc	Uan
♦ KD15 Achi	evement of Stage 14 of the	e Works
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00 (1		
00 days)		
20 days)		
60 days)		
25 days)		
273 days)		
273 days)		
20 days)		
45 days)		
02 days)		
i00 days)		
ocation 1.1 (490 day	S)	
ocation 1.2 (405 day		
ocation 1.3 (488 day	I I	
ocation 1.4 (488 day		
	or Access to Location 1.5 (580 dav
v contract parts it	 Contract Date for 	-
	 Contract Date for 	
	 Contract Date for 	
ocation 1.8 PCB (Ba	sement level up to ground	
	sement level up to ground	1001 31
ocation 1.8 PCB (Gr	bund Floor level or above)	(515 d
		(010 0
tract Date for Access	to External Area for Cont	ract HY
e for Access to Exter	nal Area for Contract HY/2	2013/02
e for Access to Exter	nal Area for Contract HY/2	2013/04
sion	Checked Appr	oved
6	ZJ	
16	ZJ	
16	ZJ	

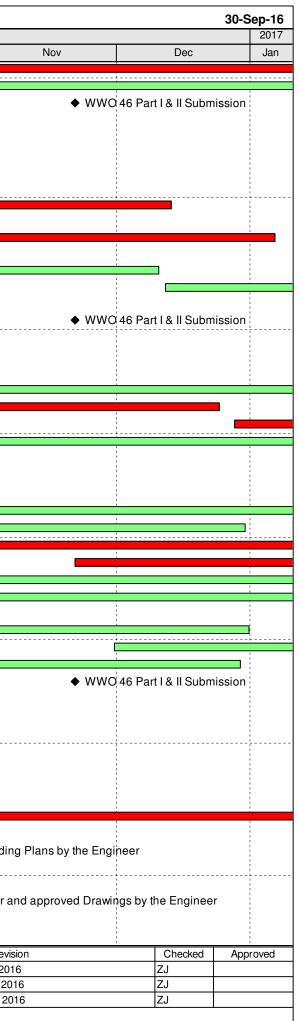
y ID	ndary Crossing Facilities - Vehicle Clearance Plazas and Activity Name	Original		% Complete	Start	Finish	Total Float			2016
, -		Duration	Duration					Sep	Oct	
SA9140	Pile testing	7	7	0%	30-Sep-16	08-Oct-16	-31	į		
Pile Cap		· · · · · · · · · · · · · · · · · · ·				-			1	
SA9210	Cap - A905	30	30	0%	11-Oct-16	14-Nov-16	-31			<u> </u>
SA9220	Cap - P904	30	30	0%	11-Oct-16	14-Nov-16	13			<u> </u>
SA9230	Cap - P903	30	30	0%	15-Nov-16	19-Dec-16	-31		1	
SA9240	Cap - P902	30	30	0%	15-Nov-16	19-Dec-16	25			
SA9250	Cap - A901	30	30	0%	20-Dec-16	26-Jan-17	36		1	
Pier & Abut	tment									
SA9310	Abutment A905	30	30	0%	15-Nov-16	19-Dec-16	24		1	
SA9320	Pier P904	25	25	0%	15-Nov-16	13-Dec-16	13		1	
SA9330	Pier P903	25	25	0%	20-Dec-16	20-Jan-17	-31			
SA9340	Pier P902	25	25		20-Dec-16	20-Jan-17	25		1	
Structure	Deck			1			-		1	
SA9400	Falsework for Deck A905 - P904	14	14	0%	20-Dec-16	07-Jan-17	24		1	
Retaining	Wall W8-1	1			J					
SW8110	Construction of Retaing Wall W8-1 (U-shape, 4 bays)	80	80	0%	19-Sep-16 A	06-Jan-17	145			
0110110			00	0,0					1	
Retaining	Wall W9-1								1	
SW9110	Construction of Retaining Wall W9-1 (U-shape, 4 bays) (+PL	80	80	0%	19-Sep-16 A	06-Jan-17	167	į		<u> </u>
	Test)								1	
Box Culve	rt D									
Box Culver	rt D Construction									
SD0140	Box Culvert D Construction (Stage 1, Bay 33 - 35)	50	15	70%	17-May-16 A	19-Oct-16	98			
									1	1
SD0150	Box Culvert D Construction (Stage 2, Bay 36 - 38)	50	35	30%	27-Jul-16 A	11-Nov-16	155			-
SD0160	Box Culvert D Construction (Stage 3, Bay 39 - 42)	50	40	20%	08-Aug-16 A	17-Nov-16	123			
300100	box Guiven D Constituction (Stage 5, bay 59 - 42)	50	40	20 /0	00-Aug-10 A	17-1100-10	123		1	
SD0170	Box Culvert D Construction (Stage 4, Bay 19 - 21 & 24 - 32)	75	68	10%	08-Aug-16 A	20-Dec-16	123			
020110				,.					1	
SD0180	Box Culvert D Backfilling	75	75	0%	20-Dec-16	24-Mar-17	123		1	
047 - Fresh	h Water Pumping Station, Portion A1 & A2								· · · · · · · · · · · · · · · · · · ·	
A04715	Removal of Surcharge	22	0	100%	04-Jul-16 A	31-Aug-16 A			1	
A04720	Excavation + Blinding	12	12	0%	30-Sep-16	15-Oct-16	-229	, i i i i i i i i i i i i i i i i i i i		
A04730	Pile Testing	7	7	0%	17-Oct-16	24-Oct-16	-229			
A04740	Water Tank Construction	58	58	0%	25-Oct-16	03-Jan-17	-229			<u> </u>
049 - Sewa	age Treatment Plant, Portion A1 & A2								· · · · · · · · · · · · · · · · · · ·	
A04945	Removal of Surcharge	22	0	100%	01-Aug-16 A	30-Aug-16 A				
									1	
A04946	Excavation to 0.0mPD/+4.9mPD	10	9	10%	19-Sep-16 A	12-Oct-16	-275	;		
									i 1	
A04948	Pile Testing	14	14		13-Oct-16	28-Oct-16	-161			1
A04950	Sheet Piling as ELS1 for Equalization Tanks	40	40		13-Oct-16	28-Nov-16	-275			
A04960	Sheet Piling as ELS2 for Sludge Holding Tanks	20	20	0%	22-Oct-16	14-Nov-16	-161			-
A04970	Sheet Piling as ELS3 for MBR Tanks	10	0	100%	21-Sep-16 A	28-Sep-16 A			1	
Do (005						07.1		1		
B04960	ELS1 + Blinding for Equalization Tanks	14	14		22-Oct-16	07-Nov-16	-275			
B04970	Constructing Base Slab for Equalization Tanks	15	15		08-Nov-16	24-Nov-16	-275		1	
	Backfiling + Removing 3rd Strut of ELS1	6	6		25-Nov-16	01-Dec-16	-275			
B04980		27	27	0%	02-Dec-16	05-Jan-17	-275		L	
	Constructing Wall Stem for Equalization Tanks									
B04980 B04990								Date		R
B04980 B04990 Actual W	Vork	· · · · · · · · ·				PROGRAMM		20 Jul 16	3MRP updated as of 30	
B04980 B04990 Actual W		VEHICLE					E IGS AND FACILITIES	20 Jul 16	3MRP updated as of 30 3MRP updated as of 31	0 July



	dary Crossing Facilities - Vehicle Clearance Plazas and		-		Stort	Finich	Total Float		0010
/ity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Sep	2016
C04930	ELS2 + Blinding for Equalization Tanks	10	10	0%	15-Nov-16	25-Nov-16	-161	Sep	Oct
	Constructing Base Slab of Equalization Tanks	20	20		26-Nov-16	19-Dec-16	-161		
	Backfiling + Removal Strut of ELS2	5	5		20-Dec-16	24-Dec-16	-161		
	Constructing Wall Stem of Sludge Holding Tanks	20	20		20-Dec-16	24-Dec-10 20-Jan-17	-161		
	ELS3 w/struts + Blinding for MBR Tanks	5	5		29-Sep-16 A		-130		
D04910	ELSS W/Struts + Dimuling for MiDH Tariks	5	J	576	29-36p-10 A	00-001-10	-130		
D04920	Constructing Base Slab for MBR Tanks	30	30	0%	06-Oct-16	11-Nov-16	-129		
D04930	Constructing Wall Stem for MBR Tanks	25	25	0%	11-Nov-16	10-Dec-16	-129		
D04940	Water-tightness Test for MBR Tanks	12	12	0%	10-Dec-16	24-Dec-16	-129		
D04950	Backfiling + Removal of ELS3	12	12	0%	24-Dec-16	11-Jan-17	-129		
Completion	of Fire Services Installation and Equipment (FCD)								
F04950	Provision of Approved Building Plans by the Engineer	0	0	0%		30-Sep-16	33		Provision of Approved Building
Waterworks	s Ordinance (WSD)								
G04910	Provision of Approval Letter and approved Drawings by the Engineer	0	0	0%		30-Sep-16	12		 Provision of Approval Letter an
G04920	Submission of WWO46 - Part I & II (Inside Services)	24	24	0%	03-Oct-16	31-Oct-16	12		
Portion A1 B	Buildings								
012 - DOH L	Disinsection Area and Store Room 1, at Portion A1	·							
A01250	Finishing	80	64	20%	27-Aug-16 A	15-Dec-16	86		
A01260	BS for Office Accomodation (Stage 8)	73	58	20%	29-Aug-16 A	09-Dec-16	12		
	BS + E&M for Office Accomodation (Stage 9)	80	80		09-Dec-16	20-Mar-17	12		
	Other BS + E&M Installation	150	150	0%	30-Sep-16	01-Apr-17	20		1
036 - Weigh									
A03665	External Wall Plaster & Tile	75	37	50.67%	02-May-16 A	14-Nov-16	60		
A03670	BS for Office Accomodation (Stage 8)	90	51	43.33%	13-Jan-16 A	30-Nov-16	9		
	BS + E&M for Office Accomodation (Stage 9)	90	90		01-Dec-16	22-Mar-17			
A03690	Other BS + E&M Instaalation	183	158	13.66%	02-Nov-15 A	12-Apr-17	114		
B03620	WWO 46 Part I & II Submission	0	0	0%	21-Nov-16		140		
037 C&ED 1	Tower Cum Inbound Cargo Examination Building (Portion	n A1 & B)							
	DDA Submission/Approval for Curtain Wall/Metal Roof/Alum. Cladding	75	23	69.33%	30-Jun-16 A	28-Oct-16	60		
	Steel Frame Structure Installation	90	90	0%	30-Sep-16	18-Jan-17	8		
	Mock-up Sample for Curtain Wall	50	50		29-Oct-16	28-Dec-16	60		
	Mock-up Sample for Cladding	50	50		29-Oct-16	28-Dec-16	60		
	Mock-up Sample for Mesh Screen Wall (SS41) & Balustrade	25	25		30-Sep-16	31-Oct-16	99		
A03742D	Mock-up Sample for Painted Concrete Wall	25	3	88%	01-Aug-16 A	01-Nov-16	221		
A03742F	Mock-up Sample for External Wall Tiling	25	25	0%	30-Sep-16	31-Oct-16	147		
	Curtain Wall/Metal Roof/Aluminium Cladding Installation	100	100		29-Dec-16	05-May-17	174		
A03746	Blockwall Laying	100	50	50%	02-Jul-16 A	29-Nov-16	74		
A03748	Wall/Ceiling Plastering/Tiling	100	50	50%	29-Jul-16 A	29-Dec-16	74		
A03752	Floor Screed/Tiling	100	100	0%	30-Sep-16	02-Feb-17	72		
				1	·			Date	e Revisio
Actual Wo					TH ROLLING			30-Jul-1	
Remainin	g Work	VEHICLE	CLEARANC	E PLAZAS		ARY BUILDI	NGS AND FACILI	TIES 31-Aug-	
Critical					Page 3 of 19			30-Sep-	
Milestone								P	



ity ID	Indary Crossing Facilities - Vehicle Clearance Plazas and A Activity Name	Original	-	% Complete	Start	Finish	Total Float		2016
.,,		Duration	Duration	/				Sep	Oct
A03760	BS for Office Accomodation (Stage 8)	88	88	0%	30-Sep-16	16-Jan-17	-194		
A03790	Other BS + E&M Installation	235	235	0%	30-Sep-16	19-Jul-17	6		
B03720	WWO 46 Part I & II Submission	0	0	0%	21-Nov-16		57		
041 Fire S	tation Cum Ambulance Depot								
A04105	Excavation + Blinding	14	0	100%	24-May-16 A	31-Aug-16 A			
A04110	Substructure	84	3	96.43%	13-Jun-16 A	04-Oct-16	-96		
A04120	Super Structure, G/F to 1/F	80	62	22.5%	09-Jul-16 A	13-Dec-16	-96		
A04122	Super Structure, 1/F to 2/F (incl. parapet wall and planter wall)	80	80	0%	30-Sep-16	06-Jan-17	-96		
704122	Super Structure, 1/1 to 2/1 (incl. parapet wail and planter wail)	00	00	0 /8	30-3ep-10	00-0411-17	-30		
A04124	DDA Submission/Approval for Cladding & Curtain Wall	60	60	0%	30-Sep-16	10-Dec-16	13		
A04126	Cladding & Curtain Wall Installation (incl. steel & metal works)	150	150		12-Dec-16	19-Jun-17	13		
B04120	WWO 46 Part I & II Submission	0	0	0%	21-Nov-16		27		
042 Drill T	ōwer								
A04250	Super Structure	69	7	89.86%	05-May-16 A	08-Oct-16	-6		
A04260	Finishing	80	80		11-Oct-16	14-Jan-17	63		
A04270	BS for Office Accomodation (Stage 8)	65	65		11-Oct-16	24-Dec-16	-6		
A04280	BS + E&M for Office Accomodation (Stage 9)	84	84		28-Dec-16	10-Apr-17	-6		
A04290	Other BS + E&M Installation	160	160	0%	31-Oct-16	18-May-17	109		
_043 DOH (Office + Store Room								
A04330	Super Structure	60	26	56.67%	27-May-16 A	01-Nov-16	-40		
A04340	Water Tanks for F.S./Sprinkler Pump Room	120	120		02-Nov-16	28-Mar-17	4		
A04360	DDA Submission for Cladding & Curtain Wall	75	75		30-Sep-16	30-Dec-16	81		
A04380	BS for Office Accomodation (Stage 8)	69	69		02-Nov-16	24-Jan-17	-19		
B04310	Other BS + E&M Installation	170	170		21-Nov-16	21-Jun-17	-40		
B04330	Stainless Steel Mesh Installation	100	100		02-Nov-16	04-Mar-17	155		
B04340	Metal Windows/Louvres/Doors/Railing etc. installation	136	136	0%	02-Nov-16	20-Apr-17	119		
B04350	Blockworks	50	50	0%	02-Nov-16	31-Dec-16	61		
B04360	Wall Plastering/Tiling	50	50		30-Nov-16	02-Feb-17	61		
C04310	C/S Wall Plastering	48	48		02-Nov-16	29-Dec-16	183		
C04340	WWO 46 Part I & II Submission	0	0		21-Nov-16	20 200 10	21		
	sforms (Zone 4)		~	0 /0	21110710				
A05235	Energisation by CLP	50	10	80%	24-Feb-16 A	13-Oct-16	36		
100200			10	0070	2110010/				
A05240	BS + E&M Installation (KD9)	66	14	78.79%	02-Nov-15 A	18-Oct-16	-14		
A05250	Ceiling/Wall Painting Finish & Floor Screed	100	26	74%	31-May-16 A	01-Nov-16	-26		
A05260	External Wall Plaster & Wall (KD10)	100	100	0%	02-Nov-16	04-Mar-17	-26		
	n of Fire Services Installation and Equipment (FCD)		-						
F05240	Provision of Approved Building Plans by the Engineer	0	0	0%		30-Sep-16	15		Provision of Approved Buildin
Watorwork	ks Ordinance (WSD)								
G05210	Provision of Approval Letter and approved Drawings by the	0	0	0%		30-Sep-16	-19		Provision of Approval Letter a
000210	Engineer	0	U	070					
105 IMMD	Guard Booth, Portion A1 (Mock Up)								
Actual V								Date	Revis
	ing Work							30-Jul-16	3MRP updated as of 30 July 201
		VENICLE	CLEARANC	E PLAZAS		ART BUILDIN	GS AND FACILITIE	S 31-Aug-16	3MRP updated as of 31 Aug. 20
Critical					Page 4 of 19			30-Sep-16	3MRP updated as of 30 Sep. 20



y ID	Activity Name	Original	•	% Complete	Start	Finish	Total Float			2016
,		Duration	Duration					Sep	Oct	
B10500	Shop Drawings & Material Submission	69	69	0%	30-Sep-16	07-Dec-16	-54			
Facade En	velop Structure Installation	II			· ·	1				1
B10580	Shop Drawing Submission and Approval	30	30	0%	30-Sep-16	05-Nov-16	108		-i	
B10590	Fabrication of F/C System	60	60		07-Nov-16	18-Jan-17	108			
External Wo	orks for Portion A1				<u> </u>	<u> </u>				
Drainage V										
A1S010	Initial Survey	6	0	100%	17-Aug-15 A	10-Sep-16 A				
AIGUIU	initial Survey	0	0	100 /6	17-Aug-13 A	10-Sep-10 A	1			
ED0020	Drainage Works (773m & 34MHs), Stage 1 (Western)	100	20	80%	16-Sep-15 A	25-Oct-16	-209			
200020		100	20	0070		20 000 10	2000			-
ED0030	Sewerage (300m & 9MHs), Stage 1 (Western)	100	20	80%	04-Jan-16 A	25-Oct-16	-209			
ED5590	Drainage Works (774m & 35MHs), Stage 2 (Middle)	100	100	0%	26-Oct-16	25-Feb-17	-209			
ED5600	Sewerage (300m & 9MHs), Stage 2 (Middle)	100	100	0%	26-Oct-16	25-Feb-17	-209			
Waterpipe										
EW5010	Fresh Water Main Laying (700 m), Stage 1 (Western)	75	75	0%	30-Sep-16	30-Dec-16	-214			
EW6010	Flushing Water Main Laying (322 m), Stage 1 (Western)	75	75		30-Sep-16	30-Dec-16	-214			
LWOOTO		10	15	070	00 000 10	00 000 10	217			
Duct Lavin	ng for Utilities/Telecom Cabling, TCSS & Lighting									
EU5260	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV	200	200	0%	01-Nov-16	07-Jul-17	1			_
L03200	Duct & Cable Laying for Olimies/Telecom, OLI, DS & LLV	200	200	0 /8	01-100-10	07-501-17	- 1			
PORTION	A2									1
									i 	· · · · · · · · · · · · · · · · · · ·
Portion A2										
-	aimed Water Pumping Station, Portion A2									
A04825	Removal of surcharge	22	0	100%	04-Jul-16 A	30-Aug-16 A				
A04830	Sheet Piling as ELS for Basement 1	12	12		30-Sep-16	15-Oct-16	-208		· · · · · · · · · · · · · · · · · · ·	
A04840	Pile testing	7	7		17-Oct-16	24-Oct-16	-208			
A04850	Excavation + Blinding for Basement 1	20	20		25-Oct-16	16-Nov-16	-208			
A04860	Basement 1 Construction	40	40	0%	17-Nov-16	05-Jan-17	-208			
Retaining	Wall W9-2									
SW9210	Construction of Retaining Wall W9-2 (U-shape, 6 bay)	120	120	0%	30-Sep-16	25-Feb-17	122		<u>.</u>	
External Wo	orks for Portion A2									
Drainage V	Works						1 1 1		1 1 1	
A2S010	Initial Survey	6	6	0%	30-Sep-16	07-Oct-16	-114			1
PORTION	-									
Portion B S										
Retaining										
		05		0.0/	07.NL 10		4.07			
S70870	Construction of Retaining Wall W7-2 (L-shape, 1 bays)	25	25	0%	07-Nov-16	05-Dec-16	187			
Detatation										
Retaining						(
S62050	Construction of Retaining Wall W6-1 (L-shape, 4 bays)	80	64	20%	12-Jul-16 A	23-Jan-17	143			
										1
	of CUE/Staff Subway									
C02760	Internal Finishes & Cable Containment (KD1)	100	80	20%	01-Aug-16 A	06-Jan-17	-284		1	!
C02770	BS + E&M Installation for ACVSS (Stage 1)	100	90	10%	22-Aug-16 A	18-Jan-17	-284		i	
									1	
	4 of CUE/Staff Subway						<u> </u>			
Bay 20 - 24							ı.	Date		Rev
Bay 20 - 24	Vork							30- Jul-16	3MRP updated as of	
Bay 20 - 24		VEHICLE					E GS AND FACILITIE	30- Jul-16	3MRP updated as o	f 31 Aug. 20

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		2017
Nov	Dec	Jan
- deter		
evision	Checked App	roved
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2016	ZJ	

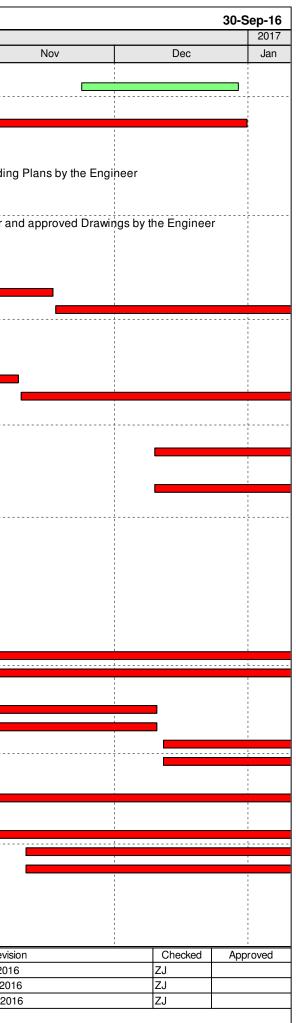
	Indary Crossing Facilities - Vehicle Clearance Plazas and				Stort	Finish	Total Float		0010
ty ID	Activity Name	Original Duration	Duration	% Complete	Start	Finish	Total Float	Con	2016
C02820	Bay 20 - 24 Construction - Base Slab	63	25	60.32%	25-Feb-16 A	31-Oct-16	-242	Sep	Oct
002020			20	00.0270	20100107				
C02830	Bay 20 - 24 Construction - Wall + Top Slab	100	80	20%	03-May-16 A	06-Jan-17	-273		
C02840	Internal Finishes & Cable Containment (KD1)	100	100	0%	07-Oct-16	08-Feb-17	-273		
C02850	BS + E&M Installation for ACVSS (Stage 1)	100	100		05-Nov-16	08-Mar-17	-273		
C02860	Chilled Water Pipe (CUE) installation	50	50	0%	23-Dec-16	25-Feb-17	-264		
Bay 25 - 2	9 of CUE/Staff Subway								
C02920	Bay 25 - 29 Construction - Base Slab	28	11	60%	03-May-16 A	15-Oct-16	-268		
C02930	Bay 25 - 29 Construction - Wall + Top Slab	100	40	60%	04-Jul-16 A	17-Nov-16	-268		
C02960	Internal Finishes & Cable Containment (KD1)	100	100	0%	30-Sep-16	02-Feb-17	-268	·	
C02970	BS + E&M Installation for ACVSS (KD1)	100	100		31-Oct-16	02-Mar-17	-268		
C02980	Chilled Water Pipe (CUE) installation	50	50	0%	17-Dec-16	20-Feb-17	-259		
Portion B	Buildings								
027/028 In	bound Kiosks & 029 Outbound Kiosks								
A02700	Submission & Approval for Steel Works	98	26	73.47%	01-Apr-16 A	01-Nov-16	-155		
A02710	Pre-fabrication for the Steel Kiosks	100	50	50%	01-Aug-16 A	29-Nov-16	-155		
A02715	Mock up for Steel Kiosks	100	50	50%	01-Aug-16 A	29-Nov-16	-150		
A02718	Mock up for Goods Vehicle Canopy	25	25	0%	01-Nov-16	29-Nov-16	-20		
A02720	Super structure	100	95		17-Sep-16 A		-160		
A02730	Construction of Subway Entrance	25	25	0%	05-Sep-16 A	11-Nov-16	15		
A02740	Construction of Subway Toilets	25	25	0%	12-Nov-16	10-Dec-16	15		
A02740	BS + E&M for AVCSS Works (KD18A)	54	54		02-Dec-16	09-Feb-17	-160		
	bound Kiosks & 029 Outbound Kiosks, Section IX, Subje			070	02 800 10	0010017	100		
B02730	Submission & Approval for Steel Works	75	0	100%	01-Apr-16 A	31-Aug-16 A			
B02740	Pre-fabrication for the Steel Kiosks	100	50	50%	01-Aug-16 A	29-Nov-16	-48		
					0				
B02750	Super structure	96	96	0%	30-Nov-16	28-Mar-17	-48		
B02760	BS + E&M for AVCSS Works (KD18C)	84	84	0%	21-Dec-16	05-Apr-17	-48		
_026 Inbou	nd IMMD and DOH Secondary Screening Building								
A02630	Super Structure	75	25	66.67%	16-Feb-16 A	31-Oct-16	-55		
A02640	Finishing	150	150	0%	01-Nov-16	08-May-17	67		
A02650	Contractor's Design Submission for SS Mesh Screen & Approval	100	100	0%	01-Nov-16	03-Mar-17	67		
A02660	Contractor's Design Submission for Aluminium Cladding & Approval	50	50	0%	01-Nov-16	30-Dec-16	67		
A02670	BS for Office Accomodation (Stage 8)	90	90	0%	01-Nov-16	20-Feb-17	-55		-
A02690	Other BS + E&M Installation	180	171	5%	01-Feb-16 A	21-Jun-17	60		
B02610	Lift Installation	75	75	0%	06-Dec-16	09-Mar-17	192		
054 Inbou	nd Fixed X-ray Building								
A05455	Superstructure, 1/F to 2/F (incl. parapet wall and planter wall)	35	12	65.71%	20-Jun-16 A	15-Oct-16	-42		
Actual \	Nork		ТН		TH ROLLING	PROGRAMM	ı <u>l'</u>	Date	R
Remair	ning Work	VEHICLE					GS AND FACILITIE	S 30-Jul-16	3MRP updated as of 30 July 3
Critical					Page 6 of 19			31-Aug-16 30-Sep-16	3MRP updated as of 31 Aug. 3MRP updated as of 30 Sep.
 Milestor 	ne								



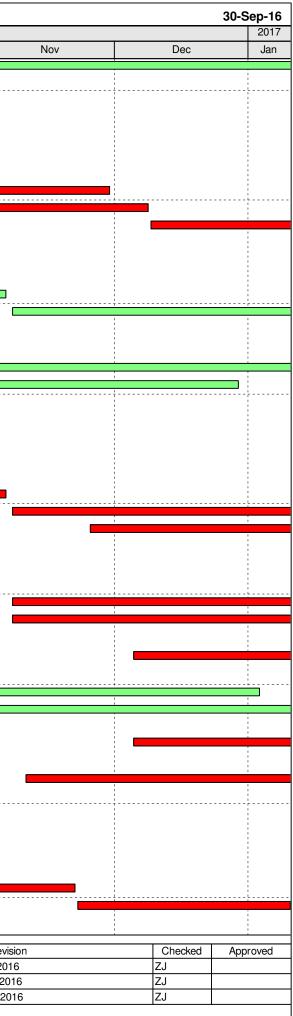
y ID	Activity Name	Ancillary Buil	Remaining	% Complete	Start	Finish	Total Float		2016
,		Duration	Duration			-		Sep	Oct
A05460	Finishing	150	98	34.67%	02-Jul-16 A	27-Jan-17	-38		
A05465	BS + E&M for Tx Room to CLP (Stage 5)	70	0	100%	02-Jul-16 A	30-Aug-16 A			
A05467	Energisation by CLP	75	75	0%	30-Sep-16	30-Dec-16	102		
A05470	BS for Office Accomodation (Stage 8)	90	90		17-Oct-16	04-Feb-17	-42		
A05490	Other BS + E&M Installation	180	171		08-Feb-16 A		81		
B05410	Lift Installation	75	75	0%	14-Dec-16	17-Mar-17	15		
Completi	on of Fire Services Installation and Equipment (FCD)	<u>/</u>			1				
F05440	Provision of Approved Building Plans by the Engineer	0	0	0%		30-Sep-16	126		Provision of Approved Bui
Waterwo	rks Ordinance (WSD)						I I I		
G05410		0	0	0%		30-Sep-16	32		Provision of Approval Letter
038 AFCL	O Office								
A03810	Excavation + Blinding	7	0	100%	18-Jul-16 A	02-Sep-16 A	-		
A03820	Substructure	24	24	0%	19-Oct-16	15-Nov-16	-214		
039 Polic	e Main Building								
A03910	Excavation + Blinding	12	0	100%	18-Jul-16 A	02-Sep-16 A			
A03920	Substructure	70	36	48.57%	03-Sep-16 A	12-Nov-16	-262		
A03930	Super Structure; G/F to 1/F	75	75	0%	14-Nov-16	15-Feb-17	-262		
040 Incid	ent Control Tower					,			
A04010	Excavation + Blinding	10	0	100%	18-Jul-16 A	02-Sep-16 A			
A04020	Substructure	14	14	0%	30-Sep-16	18-Oct-16	-214		
A04040	Super Structure	97	97	0%	16-Nov-16	15-Mar-17	-214		
Facade C	Cladding System						i i		
B04010	Shop Drawing Submission and Approval	30	30	0%	30-Sep-16	05-Nov-16	47		1
B04020	Fabrication of F/C System	60	60	0%	07-Nov-16	18-Jan-17	47		
Glass Wa						1			
C04010		30	30		30-Sep-16	05-Nov-16	75		
C04020	Fabrication of Glass Wall F UVSS Monitor Room	60	60	0%	07-Nov-16	18-Jan-17	75		
A10205	Excavation + Blinding	7	0	100%	16-Apr-16 A	23-Sep-16 A			
A10210	Substructure (Raft Foundation)	45	42	6.67%	24-Sep-16 A	19-Nov-16	-97		
A10220	Super Structure	45	45	0%	21-Nov-16	14-Jan-17	-97		
	nopy and Roof Installation	45	40	0 /6	21-1100-10	14-Jan-17	-97		
B10210		30	30	0%	30-Sep-16	05-Nov-16	22		
B10210		60	60		07-Nov-16	18-Jan-17	22		
	e Inspection Post	00	00	0 /0	07 1107 10	ro our ry			
A10310	Excavation + Blinding	5	5	N%	11-Oct-16	15-Oct-16	-82		
A10310	Raft Foundation	20	20		17-Oct-16	08-Nov-16	-82		
A10330	Super Structure (Roof Slabs)	40	40		09-Nov-16	24-Dec-16	-82		
A10340	Finishing (False Ceiling) (KD9)	60	60		28-Dec-16	11-Mar-17	-56		
A10360	BS for Office Accomodation (Stage 8)	80	80		28-Dec-16	05-Apr-17	-82		
							_	Date	F
Actual						PROGRAMM		30- Jul-16	
Domo	ning Work	VEHICLE	CLEARANCI	E PLAZAS /	AND ANCILL	ARY BUILDIN	GS AND FACIL		
Critica					Page 7 of 19			31-Aug-1	6 3MRP updated as of 31 Aug



	y Crossing Facilities - Vehicle Clearance Plazas and				Chart	Tinin's	Tatal Flore		
rity ID Activ	<i>i</i> ity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Con	2016
HPL Composite	Panel Cladding System						I	Sep	Oct
	p Drawing Submission and Approval	30	30	0%	23-Nov-16	29-Dec-16	88		
057 Transforme				0,0	_0	10 200 10			
	ersturcture	104	76	26.92%	20-Aug-16 A	31-Dec-16	-306		
					5				
-	ire Services Installation and Equipment (FCD)								
F05740 Prov	vision of Approved Building Plans by the Engineer	0	0	0%		30-Sep-16	78		Provision of Approved Build
Weterwarden Orel									
G05710 Prov	vision of Approval Letter and approved Drawings by the	0	0	0%		30-Sep-16	31		Provision of Approval Letter
	ineer	0	U	0 /6		30-3ep-10	31		
107 - C&ED Mol	bile X-ray Operation Office (Cargo), Portion B								
	avation + Blinding	7	7	0%	30-Sep-16	08-Oct-16	-95		
	tFoundation	32	32		11-Oct-16	16-Nov-16	-95		
C10730 Sup	erstructure (Roof Slabs)	62	62	0%	17-Nov-16	03-Feb-17	-95		
	k for Access Control, Portion B								
· · · · · · · · · · · · · · · · · · ·	avation + Blinding	7	0	100%	31-Aug-16 A	30-Sep-16 A			
	5				0				
B11320 Raft	Foundation	32	32	0%	30-Sep-16	08-Nov-16	-167		
B11330 Sup	erstructure (Roof Beams & Slabs)	60	60	0%	09-Nov-16	20-Jan-17	-167		
External Works f	for Portion B								
Works in Locati	ion 1.7A						1		
BB1480 ELV	Works & T&C in Location 1.7A	125	125	0%	10-Dec-16	18-May-17	0		
Works in Locati	ion 1.7B								
BB1490 ELV	Works & T&C in Location 1.7B	125	125	0%	10-Dec-16	18-May-17	0		
Drainage Works	5								
ED1540 Drai	inage Works (1130m & 60 MHs), Stage 1 (S/W)	90	0	100%	17-Dec-15 A	30-Sep-16	-3		
ED3580 Sew	verage (275m & 8MHs), Stage 1 (S/W)	90	1	98.89%	02-Jan-16 A	30-Sep-16	-4		
ED5650 Drai	inage Works (1130m & 60MHs), Stage 2 (S/E)	90	25	72.22%	01-Mar-16 A	31-Oct-16	0		
ED5660 Sew	verage (300m & 8MHs), Stage 2 (S/E)	90	25	70 00%	01-Mar-16 A	31-Oct-16	0		
LD3000 Sew	erage (300111 & 61111 13), Stage 2 (3/L)	30	25	12.22 /0	01-Ivial-10A	31-001-10			
ED5670 Drai	inage Works (1130m & 60MHs), Stage 3 (N/W)	90	90	0%	01-Nov-16	20-Feb-17	0		
	verage (300m & 8MHs), Stage 3 (N/W)	90	90		01-Nov-16	20-Feb-17	0		
Waterpipe Layir		,,							
	sh Water Main Laying (472m), Stage 1 (S/W)	60	60	0%	30-Sep-16	10-Dec-16	-35		
	shing Water Main Laying (460m), Stage 1 (S/W)	60	60		30-Sep-16	10-Dec-16	-35		
	sh Water Main Laying (500m), Stage 2 (S/E)	90	90		12-Dec-16	01-Apr-17	-35		
	shing Water Main Laying (460m), Stage 2 (S/E)	90	90		12-Dec-16	01-Apr-17	-35		
	Utilities/Telecom Cabling, TCSS & Lighting								
	t & Cable Laying for Utilities/Telecom	300	300	0%	20-Oct-16	23-Oct-17	-35		
Roadworks		, ,							
	base (10000 ton), Stage 1 (N/W)	75	75	0%	13-Oct-16	11-Jan-17	-5		
	men Pavement (14000 ton), Stage 1 (N/W)	75	75		10-Nov-16	11-Feb-17	-5		
	d Pavement (594 m3), Footpath & EVA, Stage 1 (N/W)	75	75		10-Nov-16	11-Feb-17	-5		
Sign Gantry AD	S 306A & ADS 306B								
ES5230 Sub	mission and approval for Sign Gantry	180	0	100%	01-Jun-16 A	30-Aug-16 A			
Actual Work			тн		H ROLLING	PROGRAMM	E	Date	
Remaining Wo	ork	VEHICLE	CLEARANCE	E PLAZAS	AND ANCILL	ARY BUILDIN	IGS AND FACIL	LITIES 30-Jul-10	
Critical					Page 8 of 19			31-Aug- 30-Sep-	· · · · · · · · · · · · · · · · · · ·
 Milestone 								00-0ep-	



vity ID	Activity Name	Original	-	% Complete	Start	Finish	Total Float		20
,		Duration	Duration					Sep	Oct
ES5240	Fabrication & Delivery of Sign Gantrys to Site	250	245	2%	30-Sep-16 A	31-Jul-17	2		
PORTION									
Portion C I							I I I		
	f Subway Entrance (Bay 0 - 3) & Shuttle Bus Kiosks								1 1 1
A00930	Constructing Wall + Top Slab of Bay 0 -3	50	7	86%	20-Jun-16 A	08-Oct-16	-319		
100000									
A00940	Finishing	50	50	0%	30-Sep-16	29-Nov-16	-319		
A00950	BS + E&M for AVCSS works (KD 1)	50	50	0%	12-Oct-16	08-Dec-16	-319		
B00910	Substructure and Staircase Construction (Portion B&C)	50	50	0%	09-Dec-16	11-Feb-17	-319		
104 - DOH	Secondary Screening Station, at Portion C								
Facade Cl	ladding System								
A10460	Shop Drawing Submission and Approval	30	30	0%	30-Sep-16	05-Nov-16	26		1 - - 1
A10465	Fabrication of F/C System	60	60	0%	07-Nov-16	18-Jan-17	26		
External W	/orks for Portion C								
Works in	Location 1.2, 1.8 & 011 - Emergency Generator Building								
BB1440	Works & T&C in Location 1.2	90	90	0%	30-Sep-16	18-Jan-17	167		, , , ,
BB1460	ELV System Installation for Contract HY/2013/01	50	50	0%	31-Oct-16	29-Dec-16	273		[
PORTION	D								
Portion D I	Building								
113 - Field	d Kiosk for Access Control, Portion D								
C11350	Excavation & Blinding	5	0	100%	26-Sep-16 A	30-Sep-16 A			
C11360	Raft Foundation	30	30	0%	30-Sep-16	05-Nov-16	-143		
C11370	Superstructure (Roof Beams & Slabs)	60	60		07-Nov-16	18-Jan-17	-40		J 1 1 1
D11340	BS for Office Accomodation (Stage 8)	70	70	0%	25-Nov-16	21-Feb-17	-40		
External W	lorks for Portion D								1 1 1 1
Drainage	Works								1 1 1 1
B00050	Initial Survey	6	6	0%	30-Sep-16	07-Oct-16	-119		
SG3640	Drainage Works (361m & 14MHs)	100	100	0%	07-Nov-16	09-Mar-17	-143		
SG3760	Sewerage (121m & 6MHs)	100	100	0%	07-Nov-16	09-Mar-17	-143		
Waterpipe									
SW3650		100	100	0%	05-Dec-16	07-Apr-17	-143		1 1 1 1
Duct Layii	ng for Utilities/Telecom Cabling, TCSS & Lighting						 		1 1 1
B11480	ELV System Installation for Contract HY/2013/02	61	61		21-Oct-16	03-Jan-17	270		
SU5340	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV	100	100	0%	14-Sep-16 A	02-Feb-17	145		
SU5350	Duct & Cable Laying for TCSS & Lighting	100	100	0%	05-Dec-16	07-Apr-17	-143		
Works of	Car Park Management System at Location 1.5, 1.6A & 1.6B								
SR5540	Works & T&C for Car Park Management System at Location 1.5	97	97	0%	10-Nov-16	09-Mar-17	0		
PORTION									
Portion E									
	ttle Bus Kiosk & Staff Subway Entrance, at Portion E & M								
A00610	ELS + Blinding for Subway	12	12	0%	08-Oct-16	22-Oct-16	-231		
A00620	Constructing base of Subway	25	25		24-Oct-16	21-Nov-16	-231		
A00630	Constructing wall stem + top slab of Subway	40	40		22-Nov-16	10-Jan-17	-231		J 1 1 1
	orks for Portion E								
Actual	Work		71					Date	
								30- Jul-16	3MRP updated as of 30 Ju
Critical	ning Work	VEHICLE	CLEARANC	E PLAZAS /		AKT BUILDIN	GS AND FACILI	TIES 31-Aug-16	3MRP updated as of 31 Au
					Page 9 of 19			30-Sep-16	3MRP updated as of 30 Se

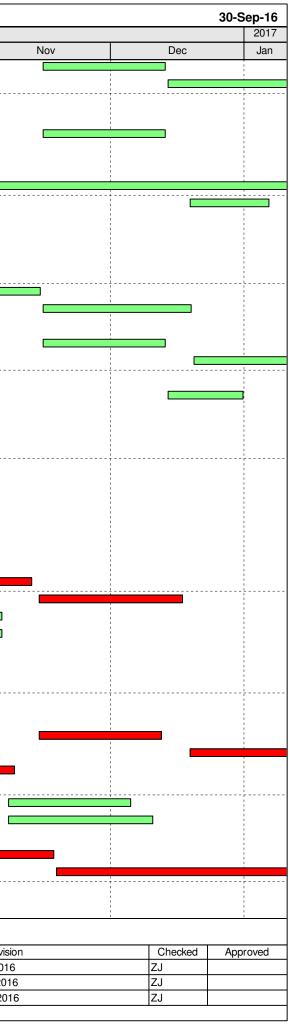


/ ID	ndary Crossing Facilities - Vehicle Clearance Plaza	Original	Remaining		Start	Finish	Total Float			2016
		Duration	Duration	·				Sep	Oct	
Drainage V	Vorks	I I				1				
	Initial Survey	6	6	0%	30-Sep-16	07-Oct-16	-231			
PORTION	G, H1 & H2									
Portion G S										
Box Culve										1
Steel H Pile										
SC0240	Removal of surcharge	26	0	100%	01-Aug-16 A	31-Aug-16 A				
			-							
SC0250	Sheeting Piling for (approx 150m long), Stage 1	6	0	100%	01-Sep-16 A	07-Sep-16 A				
SC0260	Box C - 67 nos. of driven H pile, Stage 1	12	0	100%	08-Sep-16 A	30-Sep-16 A				
SC0270	Box C - 38 nos. of driven H pile, Stage 2	9	9	0%	30-Sep-16 A	12-Oct-16	-197			
000270			Ũ	070		12 000 10				
SC0280	Box C - 54 nos. of driven H pile, Stage 3	11	11	0%	13-Oct-16	25-Oct-16	-197			
Box Culver	rt Structure									
SC0310	Box C - Branch Construction	45	45	0%	26-Oct-16	16-Dec-16	72			
SC0320	Box C - Branch Backfilling	30	30	0%	17-Dec-16	24-Jan-17	72			
SC0380	Box C - Construction of Main Body	150	150	0%	26-Oct-16	29-Apr-17	-197			
Bridge A1										
Bored Pile						-				
SA1130	Bore pile for other 2 nos. (A106)	24	12	50%	29-Aug-16 A	15-Oct-16	77			
SA1140	Pile Testing	7	7	0%	17-Oct-16	24-Oct-16	77			
Pile Cap		/			1					
SA1210	Cap - A106	30	30	0%	25-Oct-16	28-Nov-16	77			
Pier & Abu	tment						1			
SA1310	Abutment A106	30	30	0%	29-Nov-16	05-Jan-17	77			
SA1350	Pier P105	25	0	100%	15-Aug-16 A	17-Sep-16 A	1			
Structure I	Deck									
SA1420	Deck on P103 & P104 + Stressing	60	30	50%	29-Aug-16 A	05-Nov-16	79			
SA1440	Deck on P102, P103 + Stressing	60	36	40%	09-Aug-16 A	12-Nov-16	134			
0.4.4.70				0.01	05 11 40	10.5.10				
SA1470 SA1480	Falsework for Deck P104, P105 Deck on P104, P105 + Stressing	14 60	14 60		25-Nov-16 12-Dec-16	10-Dec-16 25-Feb-17	49			
Bridge A2	Deck off P104, P105 + Stressing	60	60	0%	12-Dec-16	25-Feb-17	49			
Structure I	Deek									
SA2440	Deck on P202, P203, P601 + Stressing	60	36	40%	15-Aug-16 A	12-Nov-16				1
0/12440	Deck of (1 202, 1 200, 1 001 + Ouessing	00	00	+070	10 Aug 10 A	12 100 10				
Bridge A3										
Bored Pile										
SA3160	Pile Testing for P304a/b	7	7	0%	30-Sep-16	08-Oct-16	16	Ļ		
Pile Cap							1			
SA3220	Cap - P304a/b	30	30	0%	11-Oct-16	14-Nov-16	16			
SA3230	Cap - P302	30	0	100%	18-Jul-16 A	02-Sep-16 A				
0 4 0 0 1 0	0-7 0000			^ ^′	11.0-1.10	14 N== 10				
SA3240	Cap - P303	30	30		11-Oct-16	14-Nov-16	16			
SA3250	Cap - A305	30	30	0%	30-Sep-16	05-Nov-16	53			
Pier & Abu	tment									
Actual W	Vork		THE		H ROLLING	PROGRAMMI		Date		Re
Remaini	ing Work	VEHICLE					GS AND FACILIT	IES 30-Jul-16	3MRP updated as o	
Critical					Page 10 of 19			31-Aug-16	3MRP updated as o	
 Mileston 					-			30-Sep-16	3MRP updated as o	1 30 Sep. 2



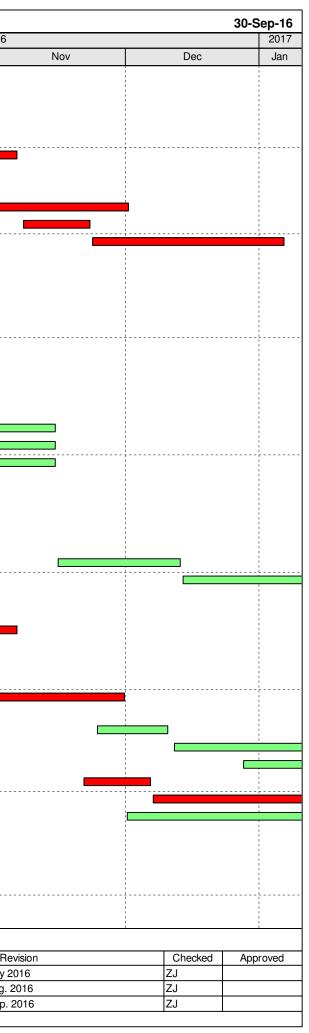
D	Activity Name	Original	Remaining	% Complete	Start	Finish	Total Float		
		Duration	Duration					Sep	Oct
SA3320	Pier P304a, P304b	25	25		15-Nov-16	13-Dec-16	21		
SA3330	Abutment A305	30	30		14-Dec-16	20-Jan-17	21		
SA3340	Pier P302	25	13	50%	03-Sep-16 A	17-Oct-16	41		
SA3350	Pier P303	25	25	0%	15-Nov-16	13-Dec-16	16		
Structure						1			
SA3410	Falsework for Deck P301 - P302	14	14		17-Oct-16	02-Nov-16	56		
SA3420	Deck on P301 - P302 + Stressing	75	75		02-Nov-16	04-Feb-17	70		
SA3430	Falsework for Deck P302 - P303	14	14	0%	19-Dec-16	06-Jan-17	16		
Bridge A4									
Bored Pile		i				1			
SA4130	Pile Testing	7	7	0%	30-Sep-16	08-Oct-16	4		
Pile Cap						1			
SA4210	Cap - P401	30	30		11-Oct-16	14-Nov-16	4		
SA4220	Cap - P402	30	30	0%	15-Nov-16	19-Dec-16	14		
Pier & Abu									
SA4310	Pier P401	25	25		15-Nov-16	13-Dec-16	4		
SA4320	Pier P402	25	25	0%	20-Dec-16	20-Jan-17	14		-
Structure						04 D 10			
SA4410	Falsework for Deck P502b, P401	14	14	0%	14-Dec-16	31-Dec-16	4		
ridge A5									
Bored Pile			2	0.01	00.0	07.0440	074		
SA5150	Pile Testing for A503 & P506	6	6		30-Sep-16	07-Oct-16	-274		
SA5160	Pile Testing for A501 & P502a/b, P507	6	0	100%	23-Aug-16 A	30-Aug-16 A			
Pile Cap							·		
SA5210	Cap - P504	30	1	96.67%	19-Sep-16 A	30-Sep-16	-269		
SA5220	Cap - P505	30	1	96.67%	19-Sep-16 A	30-Sep-16	-269		
SA5230	Cap - P503	30	30	0%	08-Oct-16	12-Nov-16	-274		
SA5240	Cap - P506	30	30		14-Nov-16	17-Dec-16	-274		
SA5250	Cap - A501	30	30		30-Sep-16	05-Nov-16	77		
SA5260	Cap - P502a/b	30	30		30-Sep-16	05-Nov-16	11		; ;
SA5270	Cap - P507	35	0			22-Sep-16 A			
Pier & Abu	Itment								
SA5310	Pier P504	25	25	0%	03-Oct-16	01-Nov-16	-189		
SA5320	Pier P505	25	25		03-Oct-16	01-Nov-16	-234		
SA5330	Pier P503	25	25		14-Nov-16	12-Dec-16	-9		
SA5340	Pier P506	25	25		19-Dec-16	19-Jan-17	-274		
SA5350	Pier P507	35	32	10%	23-Sep-16 A	08-Nov-16	-227		
SA5360	Pier P502a/b	25	25		07-Nov-16	05-Dec-16	11		-
SA5370	Abutment A501	30	30	0%	07-Nov-16	10-Dec-16	77		
Structure									
SA5410	Falsework for Deck P504 - P505	14	14		02-Nov-16	17-Nov-16	-189		
SA5420	Deck on P504, P505 + Stressing	90	90	0%	18-Nov-16	09-Mar-17	-189		
Bridge A6									
Pile Cap									E

Ī	Actual Work	THREE MONTH ROLLING PROGRAMME	Date	Revisio
	Remaining Work		30-Jul-16	3MRP updated as of 30 July 2016
	0	VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES	31-Aug-16	3MRP updated as of 31 Aug. 201
	Critical	Page 11 of 19	30-Sep-16	3MRP updated as of 30 Sep. 201
	 ♦ Milestone 			<u> </u>



SA6330 Pier P603 0 000% 30.Jun-16A 81-Aug-16A 1-Aug-16A 1-Aug-16A 1-Aug-16A 1-Aug-16A SA6300 Aburment Astr7 030 030 00% 30.Sep-16 0-Shou-16 1-70 SA6410 Deckor Moti Aburdent Aburdent Moti Aburden	SA6270 Pier & Ab SA6330 SA6370 Structure SA6400 SA6410 SA6420 SA6430	Cap - A607/711 utment Pier P603	Duration	Duration					Sep	Oct
Prior & Abultment SA6330 Par PEGS Abultment Ab07 30 30 30 50 <	Pier & Ab SA6330 SA6370 Structure SA6400 SA6410 SA6420 SA6430	utment Pier P603	40	0	1000/					
SA6320 Pior PB03 25 0 100% 30-Jun-16 A 31-Aug-16 A SA6320 Autment AGO7 30 00% 00% 30-Sep-16 05-Nov-16 40 SA6420 Cachor Polop Fallework for Cachor Polop 70% 62-Nov-16 179 SA6420 Cachor Polop Palaework for Cachor Polop 20% 70% 20-Nov-16 0 170 SA6420 Deck on Polop Palaework for Cachor Polop 20% 20% 170 170 170 SA6420 Deck on Polop Polop Palaework for Cachor Polop 170 20 170	SA6330 SA6370 Structure SA6400 SA6410 SA6420 SA6430	Pier P603			100%	30-Jun-16 A	30-Sep-16 A			
SA3270 Automent A807	SA6370 Structure SA6400 SA6410 SA6420 SA6430									
Structure back Unit View Net Dack Poly Poly 2 View Net Dack Poly 2	SA6400 SA6410 SA6420 SA6420 SA6430		25	0	100%	30-Jun-16 A	31-Aug-16 A			
Sinceture bock Image: Control of Disk PD1 PB2 - Sinessing Image: Control Disk PD2 - PD2 - Sinessing Image: Control Disk PD2 - PD2 - Sinessing Image: Control Disk PD2 - PD2 - Sinessing Image: Control Disk PD2 -	SA6400 SA6410 SA6420 SA6420 SA6430	Abutmont ACO7	20	20	0.0/	20 Can 10	OF Nev 10	<u> </u>		
SAA200 Folsework for Deck P61 , P602 14 44 0% 0-0-0-0-16 1-178 SAA210 Deck on P601, P602 are stressing 36 66 0% 0 2-10-16 0-10-0-18 1-178 SAA200 Paisework for Deck P602, P603 a Stressing 36 36 0% 0 2-Nor-16 22-Nor-16 1-178 SAA200 Paisework for Deck P602, P603 a Stressing 36 08 0% 0 20-Nor-15A 31-Aug-16A -178 Bidge A70, A70, A70 T T 0 100% 0 2-Nor-16 05-00-16 1-178 SA7200 Die Filming for A701, P702, P703, TO Nr. 42 0 100% 0 2-Nor-16 150 SA7300 Cap for P702 30 0 100% 0 2-Nor-16 14-Nor-16 150 SA7300 Cap for P702 30 0 00% 11-00-16 14-Nor-16 150 SA7300 Cap for P703 30 0 0% 11-00-16 14-Nor-16 150 SA7500 Pier P702 25 25 0% 10-00-16 14-30-16 150 SA7500 Pier P703 25 25 </td <td>SA6400 SA6410 SA6420 SA6430</td> <td></td> <td>30</td> <td>30</td> <td>0%</td> <td>30-Sep-16</td> <td>05-100-16</td> <td>-60</td> <td></td> <td>1</td>	SA6400 SA6410 SA6420 SA6430		30	30	0%	30-Sep-16	05-100-16	-60		1
SAAE10 Deckon P601 P602 - Stressing 36 36 0% 2 -0-0-16 0.1-0e-16 0.1-76 SAAE20 Falswork for Dock P602 - P603 - Stressing 36 36 0% 2 -Nov-16 02-Nov-16 176 SAR10 Deck on P602 - P603 - Stressing 36 36 0% 2 -Nov-16 02-Nov-16 176 SAR100 Dere Hing for A701 - P702 - P705, 10 Nr. 42 0 100% 2 -Nov-15 A 31 -Aug-16 A - SAR200 Desk on P601 - P702 - P705, 10 Nr. 42 0 100% 2 -Nov-15 A 31 -Aug-16 A - SAR200 Desk on P701 - P702 - P705, 10 Nr. 42 0 100% 2 -Nov-15 A 08 -Oc-16 50 SAR200 Cap for P704 30 0 100% 2 -Nov-16 A 14 - Nov-16 16 - Nov-16	SA6410 SA6420 SA6430		14	14	0.0/	04 Oct 16	20 Oct 16	170		
SAA620 Falsework for Dock P602, P603 14 14 14 0% 07 Nov-16 22 Nov-16 178 SAA630 Deck on P602, P603 + Stressing 36 36 0% 23 Avo-16 66 Jan-17 170 Bridge A7a, A7b, A7c T T T 0% 23 Avo-16 06 Jan-17 170 SA7160 Bore Pling for A701, P702 - P705, 10 Nr. 42 0 100% 20 Avo-15A 31 Aug-16 A 56 SA7230 Pile Testing for A701, P702 - P703 7 7 0% 30 - Sep-16 66 50 SA7360 Cap for P704 30 0 100% 27 Jul-16A 06 - Sep-16A 50 SA7360 Cap for P702 30 30 0% 11 Oct.16 14 Nov-16 75 SA7360 Cap for P702 30 30 0% 17 Oct.16 14 Nov-16 76 SA7370 Cap for P704 25 13 55% 15 Sep-16A 70 75 SA7500 Pior P702 25 25 18 30% 07 Sep-16 A 1-So 70 <tr< td=""><td>SA6420 SA6430</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	SA6420 SA6430									
SA6430 Deck on P602, P603 + Skrussing 36 36 9% 23 Nov 16 06 -Jan 17 172 Bridge A7a, A7b, A7b T T 0 20-Nov 15 A 31-Aug-16 A SA7160 Bore Pling for A701, P702 - P705, 10 Nr. 42 0 100% 20-Nov 15 A 31-Aug-16 A SA7260 Bio Felling for A701, P702 - P705, 10 Nr. 42 0 100% 20-Nov 15 A 31-Aug-16 A SA7260 Bore P10g for A701, P702 - P705, 10 Nr. 42 0 100% 27-Jul-16 A 0 50 SA7360 Cap for P704 30 0 0 100% 27-Jul-16 A 0 50 SA7360 Cap for P702 30 30 0% 10-Oct-16 14-Nov-16 50 SA7360 Cap for P703 30 30 0% 10-Oct-16 14-Nov-16 100 Per A Abutment 25 13 50% 10-Sep-16A 17-Oct-16 153 SA7500 Pier P704 25 25 0% 15-Nov-16 30-Bot-16 50 SA7260 Pier P703 25 25 <td>SA6430</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>	SA6430									-
Bridge A72, A72, A72 Borde Pile Borde Pile SA7160 Bore Piling for A701, P702 - P705, 10 Nr. 42 0 100% 20-Nov-15A 31-Aug-16A SA7230 Pile Testing for A701, P702 - P705, 10 Nr. 42 0 100% 27-Mi-16A 0-Sep-16A SA7340 Cap for P704 30 0 100% 27-Mi-16A 0-Sep-16A SA7350 Cap for P702 30 30 0 100% 27-Mi-16A 0-Sep-16A SA7360 Cap for P702 30 30 0 100% 10-Loc 16 14-Nov-16 55 SA7370 Cap for P703 30 30 0 10-Sep-16A 17-Oct 16 173 SA7500 Pier P704 25 13 50% 10-Sep-16A 17-Oct 16 133 SA7500 Pier P703 25 25 0% 15-Nov-16 13-Dec-16 50 SA7500 Pier P703 25 25 0% 10-Sep-16A 14-Aug-16A 14-Aug-16A SA7500 Pier P703 25 25 0% 10-Sep-16A										
Bored Pite Unite Unite <thunite< th=""> Unite Unite</thunite<>		_	36	36	0%	23-Nov-16	06-Jan-17	-179		
SA7160 Bore Pluing for A701, P702 - P705, 10 Nr. 42 0 100% 20-Nov-15A S1-Aug-16A SA7200 Plie Testing for A701, P702, P703 7 7 0% 30-Sep-16 06-Oct-18 50 SA7300 Cap for P704 30 0 100% 27-Jul-16A 0-Sep-16A 1 SA7300 Cap for P702 30 30 0 11-Oct-16 14-Nov-16 50 SA7300 Cap for P702 30 30 0 11-Oct-16 14-Nov-16 50 SA7300 Cap for P702 30 30 0 11-Oct-16 14-Nov-16 50 SA7300 Cap for P703 30 30 0 11-Oct-16 14-Nov-16 150 SA7500 Pior P704 225 C13 50% 10-Sep-16A 17-Oct-18 153 SA7500 Pior P702 225 25 0% 14-Dac-16 50 50 SA7500 Pior P704 225 25 0% 14-Dac-16 150 50 SA7500 Pior P704 25 25 100% </td <td></td>										
Pile Cap SA7340 Cap for P704 30 0 100% 27.Jul-16A 09-Sep-16A SA7340 Cap for P705 30 0 100% 27.Jul-16A 06-Sap-16A SA7350 Cap for P702 30 30 0% 11-Oct-16 14-Nov-16 55 SA7370 Cap for P702 30 30 0% 11-Oct-16 14-Nov-16 175 SA7380 Cap for A701 30 30 0% 11-Oct-16 14-Nov-16 170 SA7380 Pier P704 25 13 50% 10-Sep-16A 17-Oct-16 153 SA7500 Pier P702 25 25 0% 15-Nov-16 150 SA7500 Pier P703 25 25 0% 14-Doc-16 14-Jan-17 50 SA7500 Pier P703 25 25 0% 14-Doc-16 14-Jan-17 50 SA7500 Pier P710 26 0 100% 10-Aug-16A 31-Aug-16A -60 SA7500 Pier P710 26 0 100% 10-Sep-16A 30-Nov-16 <td></td> <td></td> <td>42</td> <td>0</td> <td>100%</td> <td>20-Nov-15 A</td> <td>31-Aug-16 A</td> <td></td> <td></td> <td></td>			42	0	100%	20-Nov-15 A	31-Aug-16 A			
Pile Cap SA7340 Cap for P704 30 0 100% 27.Jul-16A 09-Sep-16A SA7340 Cap for P705 30 0 100% 27.Jul-16A 06-Sap-16A SA7350 Cap for P702 30 30 0% 11-Oct-16 14-Nov-16 55 SA7370 Cap for P702 30 30 0% 11-Oct-16 14-Nov-16 175 SA7380 Cap for A701 30 30 0% 11-Oct-16 14-Nov-16 170 SA7380 Pier P704 25 13 50% 10-Sep-16A 17-Oct-16 153 SA7500 Pier P702 25 25 0% 15-Nov-16 150 SA7500 Pier P703 25 25 0% 14-Doc-16 14-Jan-17 50 SA7500 Pier P703 25 25 0% 14-Doc-16 14-Jan-17 50 SA7500 Pier P710 26 0 100% 10-Aug-16A 31-Aug-16A -60 SA7500 Pier P710 26 0 100% 10-Sep-16A 30-Nov-16 <td>SA7230</td> <td>Pile Testing for A701 P702 P703</td> <td>7</td> <td>7</td> <td>0%</td> <td>30-Sen-16</td> <td>08-Oct-16</td> <td>50</td> <td></td> <td></td>	SA7230	Pile Testing for A701 P702 P703	7	7	0%	30-Sen-16	08-Oct-16	50		
SA7340 Cap for P704 30 0 100% 27-Jul-16A 09-Sep-16A Image: Constraint of the consthe constraint of the consthe consthe constrain			1	1	0 /0			50		
Arrage Arrage<	-	Cap for P704	30	0	100%	27-Jul-16 A	09-Sep-16 A			
SA7370 Cap for P703 30 30 30 0% 11-Oct-16 14-Nov-16 75 SA7380 Cap for A701 30 30 0% 11-Oct-16 14-Nov-16 100 Pier A Abutter 30 0% 11-Oct-16 14-Nov-16 100 Pier A Abutter 30 50% 10-Sep-16A 17-Oct-16 153 SA7550 Pier P705 25 25 0% 15-Nov-16 13-Dec-16 50 SA7500 Pier P702 25 25 0% 14-Dec-16 14-Jan-17 50 SA7620 Pier P703 25 20 100% 01-Aug-16A 31-Aug-16A	SA7350	Cap for P705	30	0	100%	27-Jul-16 A	06-Sep-16 A		I	
SA7370 Cap for P703 30 30 30 0% 11-Oct-16 14-Nov-16 75 SA7380 Cap for A701 30 30 0% 11-Oct-16 14-Nov-16 100 Pier A Abutter 30 0% 11-Oct-16 14-Nov-16 100 Pier A Abutter 30 50% 10-Sep-16A 17-Oct-16 153 SA7550 Pier P705 25 25 0% 15-Nov-16 13-Dec-16 50 SA7500 Pier P702 25 25 0% 14-Dec-16 14-Jan-17 50 SA7620 Pier P703 25 20 100% 01-Aug-16A 31-Aug-16A	CA7000	Con for P700		20	0.9/	11 Oct 10	14 Nov 10	50		
SA7380 Cap for A701 30 30 30 0% 11-Oct-16 14-Nov-16 100 Pier Abuttment 25 13 50% 10-Sep-16A 17-Oct-16 153 SA7550 Pier P705 25 25 0% 15-Nov-16 13-Dec-16 50 SA7560 Pier P702 25 25 0% 16-Nov-16 13-Dec-16 50 SA7670 Pier P703 25 25 0% 16-Nov-16 13-Dec-16 50 SA7650 AbuttmentA711 30 30 0% 30-Sep-16 51-Nov-16 16-Uag-16A SA7650 AbuttmentA711 30 30 0% 30-Sep-16 51-Nov-16 6-0 Structure Deck 25 0 100% 16-Aug-16A 31-Aug-16A 14-Uag-16A		•								
Pier & Abuttent AImage: Constraint of the		· ·								
SA7540 Pier P704 25 13 50% 10-Sep-16A 17-Oct-16 153 SA7550 Pier P705 25 18 30% 07-Sep-16A 22-Oct-16 70 SA7550 Pier P702 25 25 0% 15-Nov-16 13-Dec-16 50 SA7570 Pier P703 25 25 0% 14-Dec-16 14-Jan-17 50 SA7620 Pier P710 25 0 100% 10-Aug-16A 31-Aug-16A			30	30	0%	11-Oct-16	14-Nov-16	100		
Act of the Properiod of the Proper										
Image: Service of the proper service of the	SA7540	Pier P704	25	13	50%	10-Sep-16 A	17-Oct-16	153		
SA7570 Pier P703 25 25 0% 14-Dec-16 14-Jan-17 50 SA7620 Pier P710 25 0 100% 01-Aug-16A 31-Aug-16A 31-Aug-16A SA7650 AbutmentA711 30 30 0% 30-Sep-16 05-Nov-16 -60 Structure Deck Deck on P706, P707, P712 (A7b) 14 0 100% 16-Aug-16A 31-Aug-16A -174 SA7720 Deck on P706, P707, P712 (Bridge A7b) + Stressing 95 51 46.32% 01-Sep-16A 30-Nov-16 -174 SA7730 Falsework for Deck P705, P706 15 15 0% 24-Nov-16 10-Dec-16 93 SA7740 Deck on P705 & P706 (Bridge A7a) + Stressing 36 36 0% 12-Dec-16 25-Jan-17 109 SA7750 Falsework for Deck P707, P708 (A7c) 14 144 0% 21-Nov-16 06-Dec-16 174 SA7860 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 174 SA7800 Parapet for Bridge A7b (8 pour) & E&M Works 50 50 0% <t< td=""><td>SA7550</td><td>Pier P705</td><td>25</td><td>18</td><td>30%</td><td>07-Sep-16 A</td><td>22-Oct-16</td><td>70</td><td></td><td></td></t<>	SA7550	Pier P705	25	18	30%	07-Sep-16 A	22-Oct-16	70		
SA7620 Pier P710 25 0 100% 01-Aug-16A 31-Aug-16A Image: Constraint of the	SA7560	Pier P702	25	25	0%	15-Nov-16	13-Dec-16	50		
Karden Karden<	SA7570	Pier P703	25	25	0%	14-Dec-16	14-Jan-17	50		
Structure Deck SA7710 Falsework for Deck P706, P707, P712 (A7b) 14 0 100% 16-Aug-16 A 31-Aug-16 A SA7720 Deck on P706, P707 & P712 (Bridge A7b) + Stressing 95 51 46.32% 01-Sep-16 A 30-Nov-16 -174 SA7730 Falsework for Deck P705 - P706 15 15 0% 24-Nov-16 10-Dec-16 93 SA7740 Deck on P706 (Bridge A7a) + Stressing 36 36 0% 12-Dec-16 25-Jan-17 109 SA7750 Falsework for Deck P707, P708 (A7c) 14 14 0% 21-Nov-16 06-Dec-16 -174 SA7800 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 13-Jan-17 93 SA7800 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 10-Mar-17 -174 SA7800 Deck on P707, P708 (Bridge A7c) + Stressing 50 50 0% 01-Dec-16 03-Feb-17 234 Bridge A3 Parapet for Bridge A7b (8 pour) & E&M Works 50 50	SA7620	Pier P710	25	0	100%	01-Aug-16 A	31-Aug-16 A			
Structure Deck SA7710 Falsework for Deck P706, P707, P712 (A7b) 14 0 100% 16-Aug-16A 31-Aug-16A SA7720 Deck on P706, P707 & P712 (Bridge A7b) + Stressing 95 51 46.32% 01-Sep-16A 30-Nov-16 174 SA7730 Falsework for Deck P705 - P706 15 115 0% 24-Nov-16 10-Dec-16 93 SA7740 Deck on P706 (Bridge A7a) + Stressing 36 36 0% 12-Dec-16 25-Jan-17 109 SA7750 Falsework for Deck P707, P708 (A7c) 14 14 0% 21-Nov-16 06-Dec-16 -174 SA7850 Falsework for Deck P707, P708 (A7c) 14 14 0% 21-Nov-16 06-Dec-16 -174 SA7860 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 10-Mar-17 -174 SA7940 Parapet for Bridge A7b (8 pour) & E&M Works 50 50 00 10-Dec-16 03-Feb-17 234 Bridge A3 Falsework for Deck P707, P708 (Krok Sama Sama Sama S	SA7650	Abutment A711	30	30	0%	30-Sep-16	05-Nov-16	-60		
SA7720 Deck on P706, P707 & P712 (Bridge A7b) + Stressing 95 51 46.32% 01-Sep-16A 30-Nov-16 -174 SA7730 Falsework for Deck P705 - P706 15 15 0% 24-Nov-16 10-Dec-16 93 SA7740 Deck on P705 & P706 (Bridge A7a) + Stressing 36 36 0% 12-Dec-16 25-Jan-17 109 SA7750 Falsework for Deck P707, P708 (A7c) 14 14 0% 28-Dec-16 13-Jan-17 93 SA7800 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 10-Mar-17 -174 SA7800 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 10-Mar-17 -174 SA7800 Parapet for Bridge A7b (8 pour) & E&M Works 50 50 0% 01-Dec-16 03-Feb-17 234 Bridge A8 Bridge A7b Bridge A34 30 25 16.67% 19-Sep-16 A 31-Oct-16 123 SA8210 Cap - Abutment A804 30 25 16.67% 19-Sep-16 A 31-Oct-16 1233	Structure	Deck					.II			
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SA7740 Deck on P705 & P706 (Bridge A7a) + Stressing 36 36 0% 12-Dec-16 25-Jan-17 109 SA7750 Falsework for Deck P704, P705 14 14 0% 28-Dec-16 13-Jan-17 93 SA7850 Falsework for Deck P707, P708 (A7c) 14 14 0% 21-Nov-16 06-Dec-16 -174 SA7860 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 10-Mar-17 -174 SA7940 Parapet for Bridge A7b (8 pour) & E&M Works 50 50 0% 01-Dec-16 03-Feb-17 234 Bridge A8	SA7720	Deck on P706, P707 & P712 (Bridge A7b) + Stressing	95	51	46.32%	01-Sep-16 A	30-Nov-16	-174		
SA7740 Deck on P705 & P706 (Bridge A7a) + Stressing 36 36 0% 12-Dec-16 25-Jan-17 109 SA7750 Falsework for Deck P704, P705 14 14 0% 28-Dec-16 13-Jan-17 93 SA7850 Falsework for Deck P707, P708 (A7c) 14 14 0% 21-Nov-16 06-Dec-16 -174 SA7860 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 10-Mar-17 -174 SA7940 Parapet for Bridge A7b (8 pour) & E&M Works 50 50 0% 01-Dec-16 03-Feb-17 234 Bridge A8	SA7730	Falsework for Deck P705 - P706	15	15	0%	24-Nov-16	10-Dec-16	93		
SA7750 Falsework for Deck P704, P705 14 14 0% 28-Dec-16 13-Jan-17 93 SA7850 Falsework for Deck P707, P708 (A7c) 14 14 0% 21-Nov-16 06-Dec-16 -174 SA7860 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 10-Mar-17 -174 SA7940 Parapet for Bridge A7b (8 pour) & E&M Works 50 50 0% 01-Dec-16 03-Feb-17 234 Bridge A8 File Cap SA8210 Cap - Abutment A804 30 25 16.67% 19-Sep-16 A 31-Oct-16 123										
SA7850 Falsework for Deck P707, P708 (A7c) 14 14 0% 21-Nov-16 06-Dec-16 174 SA7860 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 10-Mar-17 174 SA7940 Parapet for Bridge A7b (8 pour) & E&M Works 50 50 0% 01-Dec-16 03-Feb-17 234 Bridge A8 Bridge A7 SA7800 Cap - Abutment A804 30 25 16.67% 19-Sep-16A 31-Oct-16 123										
SA7860 Deck on P707, P708 (Bridge A7c) + Stressing 75 75 0% 07-Dec-16 10-Mar-17 174 SA7940 Parapet for Bridge A7b (8 pour) & E&M Works 50 50 0% 01-Dec-16 03-Feb-17 234 Bridge A8 Pile Cap SA8210 Cap - Abutment A804 30 25 16.67% 19-Sep-16 A 31-Oct-16 123										
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Bridge A8 Pile Cap SA8210 Cap - Abutment A804 30 25 16.67% 19-Sep-16 A 31-Oct-16 123								I		
Pile Cap SA8210 Cap - Abutment A804 30 25 16.67% 19-Sep-16 A 31-Oct-16 123			50	00	0 /0			204		
SA8210 Cap - Abutment A804 30 25 16.67% 19-Sep-16 A 31-Oct-16 123										
		Cap - Abutment A804	30	25	16.67%	19-Sep-16 A	31-Oct-16	123		
SA8220 Cap for P802 30 0 100% 30-Aug-16 A 13-Sep-16 A										
	SA8220	Cap for P802	30	0	100%	30-Aug-16 A	13-Sep-16 A			
				I				<u>6</u>		i

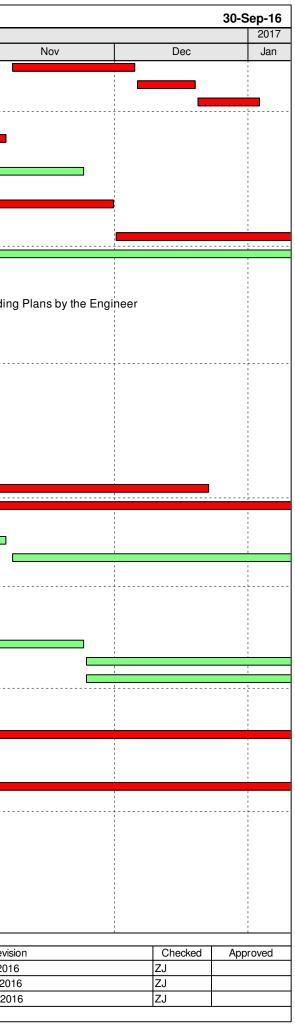
	Actual Work	THREE MONTH ROLLING PROGRAMME	Date	· · · · ·
	Remaining Work		30-Jul-16	3MRP updated as of 30 July
	5		31-Aug-16	3MRP updated as of 31 Aug
	Critical	Page 12 of 19	30-Sep-16	3MRP updated as of 30 Sep
•	♦ Milestone			



	y Crossing Facilities - Vehicle Clearance Plazas an /ity Name	Original		% Complete	Start	Finish	Total Float		2016
	ny name	Duration	Duration	78 Complete	Sidiri		Total Tioat	Sep	Oct
SA8230 Cap	o for P803	30	0	100%	30-Aug-16 A	22-Sep-16 A			001
Pier & Abutment	t								
	tment A804	30	30	0%	01-Nov-16	05-Dec-16	123		
	r P802	25	25		30-Sep-16	31-Oct-16	48	La construction de la constructi	
	r P803	25	25		30-Sep-16	31-Oct-16	88		
Structure Deck		20	20	0 /0	00 000 10	01 001 10	00		
	sework for Deck P801, P802	14	14	0%	15-Nov-16	30-Nov-16	36		
	k on P802, P802 + Stressing	75	75		01-Dec-16	04-Mar-17	36		
	s W1-1, W3-1, W5-1 & W7-1	/3	73	0 /8	01-Dec-10	04-1014-17	30		
Retaining Wall V					44.0.40*				
	ed Pile for W3-1, 16 Nr.	101	101	0%	11-Oct-16*	11-Feb-17	-14	-	
Retaining Wall V									
SW5010 Cor	nstruction of Retaining Wall W5-1 (L-shape, 5 bays)	100	100	0%	12-Dec-16	18-Apr-17	77		
Portion G Buildi	ings								
033 Inbound Pr	rivate Car Exam Building								
A03320 Sup	per Structure	40	25	37.5%	11-May-16 A	31-Oct-16	-140		
A03330 Fini	shing	90	90	0%	01-Nov-16	20-Feb-17	-140	1	
A03360 Exte	ernal Works	70	70	0%	01-Nov-16	24-Jan-17	55		
A03370 BS	for Office Accomodation (Stage 8)	70	70	0%	01-Sep-16 A	24-Jan-17	-19		-
A03390 Oth	er BS + E&M Installation	130	130	0%	19-Nov-16	02-May-17	56		
Glass Canopy In	nstallation	II							
	p Drawing Submission and Approval	30	0	100%	01-Jun-16 A	31-Aug-16 A			
B03305 Fab	rication of Glass Canopy	60	60	0%	30-Sep-16	10-Dec-16	-65		1
B03350 Cas	sted-in Items Installation	40	40	0%	12-Dec-16	02-Feb-17	-65		
Aluminium Meta	Il Canopy								
	p Drawing Submission and Approval	30	0	100%	01-Jun-16 A	31-Aug-16 A			
B03315 Fab	rication of F/C System	60	60	0%	30-Sep-16	10-Dec-16	122		
	sted-in Items Installation	50	50		12-Dec-16	14-Feb-17	122		
034 Satellite RC									
	tFoundation	30	0	100%	06-Jul-16 A	15-Sep-16 A	. <u></u>		
A03430 Hall		30	0	100 /8	00-301-10 A	13-360-10 A			
A03440 Sup	er Structure (Roof Beams & Slabs)	40	36	10%	19-Sep-16 A	12-Nov-16	-79		
A03450 Fini	shing	60	60	0%	14-Nov-16	25-Jan-17	-79		
	for Office Accomodation (Stage 8)	59	59		14-Nov-16	24-Jan-17	-19		
	er BS + E&M Installation	130	130		02-Dec-16	16-May-17	127		
S S Facade Gree				0,0	02 200 10				
	p Drawing Submission for Approval	30	30	0%	30-Sep-16	05-Nov-16	92		
	rication of SS F/G System	60	60		07-Nov-16	18-Jan-17	92		
	umping Station, Portion G	00	00	0 78	07-1000-10	10-0411-17	52		
	eet Piling as ELS for Wet Well	12	0	100%	23- lun-16 A	10-Sep-16 A			
A03540 She	et Filing as ELS for wet well	12	U	100%	23-JUII-10 A	10-Sep-16 A			
A03560 ELS	S + Blinding for Wet Well	10	10	0%	12-Sep-16 A	13-Oct-16	-127		
A03570 Cor	nstructing of Base Slab of Wet Well	20	20	0%	14-Oct-16	05-Nov-16	-127		
A				BEE			_	Date	Re
Actual Work						PROGRAMM		30- Jul-16	3MRP updated as of 30 July 2
Remaining Wo	Drk	VEHICLE	CLEARANC	E PLAZAS		ARY BUILDIN	GS AND FACILITI	ES 31-Aug-16	3MRP updated as of 31 Aug. 2
Critical					Page 13 of 19			30-Sep-16	3MRP updated as of 30 Sep. 2
 Milestone 									

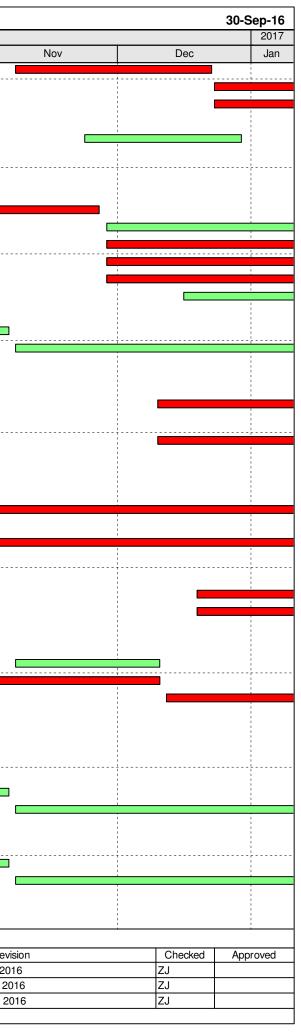


y ID	Indary Crossing Facilities - Vehicle Clearance Plazas and Activity Name	Original	Remaining		Start	Finish	Total Float			2016
,		Duration	Duration					Sep		Oct
A03580	Constructing of Wall Stem of Wet Well	25	25	0%	07-Nov-16	05-Dec-16	-127	•		
A03590	Water-tightness Test for Wet Wells	12	12	0%	06-Dec-16	19-Dec-16	-127			
B03510	Backfilling + Removal of ELS	10	10	0%	20-Dec-16	03-Jan-17	-127			
051 Trans	formers (Zone 5)									
A05150	Finishing	60	30	50%	16-May-16 A	05-Nov-16	-67		-	
A05165	Energisation by CLP	75	45	40%	27-Jun-16 A	23-Nov-16	76			
A05170	BS for Office Accommodations (KD9)	115	51	55.65%	02-Jul-16 A	30-Nov-16	-16		1	
A05180	BS + E&M for Office Accommodation (KD10)	115	115	00/	01-Dec-16	25-Apr-17	-16			
A05180 A05190					22-Feb-16 A					· · · · · · · · · · · · · · · · · · ·
AU5190	Other BS + E & M Installation	150	122	18.07%	22-FED-16 A	28-Feb-17	55		ł	
Completio	on of Fire Services Installation and Equipment (FCD)									
F05140	Provision of Approved Building Plans by the Engineer	0	0	0%		30-Sep-16	75			Provision of Approved Build
100110		U U U U U U U U U U U U U U U U U U U		0,0						
Waterwor	ks Ordinance (WSD)	1								
G05120	Submission of WWO46 - Part I & II (Inside Services)	6	6	0%	30-Sep-16	07-Oct-16	73			
	nd Traffic Control Kiosk									
A10000	Excavation + Blinding	5	0	100%	01-Sep-16 A	03-Sep-16 A				
110000	Exervation + Dimang	U U	0	10070						
A10010	Raft Foundation	30	0	100%	05-Sep-16 A	14-Sep-16 A				
			-							
A10040	Super Structure (Roof Beams & Slabs)	67	25	62.69%	15-Sep-16 A	31-Oct-16	-166			
					•					
A10050	Finishing	45	45	0%	01-Nov-16	22-Dec-16	-166			
A10070	BS + E&M for AVCSS Works (KD18A)	86	86	0%	01-Nov-16	15-Feb-17	-166			
HPL Com	posite Panel Cladding System									
B10010	Shop Drawing Submission and Approval	30	30	0%	30-Sep-16	05-Nov-16	52		ļ.	
B10015	Fabrication of F/C System	60	60	0%	07-Nov-16	18-Jan-17	52			
112 Field	Kiosk for Taxi Queuing Area									
A35200	Excavation + Blinding	5	0	100%	12-Sep-16 A	24-Sep-16 A				
					-					
A35210	Foundation	15	15	0%	30-Sep-16	19-Oct-16	172			
A35220	Structure	30	30	0%	20-Oct-16	23-Nov-16	172			
A35230	Finishing	45	45	0%	24-Nov-16	18-Jan-17	257			
B11520	BS + E & M Installation	130	130	0%	24-Nov-16	08-May-17	172			
xternal W	orks for Portion G, H1 & H2									
Works wit	hin Portion H1 & H2 except the ELV Works in the Hong Ko	ong Side PTI								
EU1560	Drainage & Sewerage Works within Portion H1 & H2 in the	178	142	20%	03-May-16 A	24-Mar-17	-275		1	
	Hong Kong Side PTI (KD20)				,					
All Works	within the Boundary defined in Drawing No. 60191048/C3	/000/C00/105)							
	Drainage & Sewerage Works (incl. CLP) within the Boundary	178	142	20%	03-May-16 A	24-Mar-17	-280			
	defined in Drawing No. 60191048/C3/000/1050									
Drainage	Works									
AS0080	Initial Survey	12	12	0%	30-Sep-16	15-Oct-16	-249			
ED4070	Drainage Works (6954m & 393MHs)	120	96		03-May-16 A		-197			
201070		120	00	2070		127.0317				
ED4190	Sewerage (437m & 12MHs)	120	108	10%	03-May-16 A	07-Aug-17	-191			
					,					
Sign Gant	try DS40, DS41 & DS75									
								I		1
Actual V	Nork		THR		H ROLLING	PROGRAMM	E		Date	Re
E Remain	ning Work	VEHICLE	CLEARANCE	PLAZAS	AND ANCILL	ARY BUILDIN	GS AND FACI		ul-16 \ug-16	3MRP updated as of 30 July 2 3MRP updated as of 31 Aug. 2
Critical					Page 14 of 19				Sep-16	3MRP updated as of 31 Aug. 2
								30-3	00°10	Joinin upualou as UI JU JED.



ES0020	Activity Name	Original Duration	Remaining % Duration	6 Complete Start	Finish	Total Float			2016			2
							Sep	Oct		Nov	Dec	
	Sign Gantry DS40 Pre-bored H Piling, 12 Nr.	30	30	0% 30-Sep-16	05-Nov-16	137	000	001				
E30040	Sign Gantry DS41 Driven Piling 4 Nr.	7	7	0% 30-Sep-16	08-Oct-16	220						
ES0080	Testing for Pre-bored H Piling	50	50	0% 30-Nov-16	02-Feb-17	147		1 1 1				
	Submission and approval for Sign Gantry	90	0	100% 02-May-16 A	31-Aug-16 A							
ES0180	Fabrication & Delivery of Sign Gantrys to Site	250	250	0% 30-Sep-16	05- A ug-17	-3						
	nd Covered Walkway	200	200	070 00 000 10	00 / lug 1 /			1 1 1				
	Shop drawing, Approved & Fabrication	150	150	0% 30-Sep-16	01-Apr-17	27			1			
PORTION J		130	130	0 % 30-3ep-10		27		 				
Portion J St												
Bay 30 - 41	1 of CUE/Staff Subway (Portion J)											
B03040	Bay 30 - 33 Construction - Base Slab	28	21	25% 30-Apr-16 A	26-Oct-16	-254		, 				
B03050	Bay 30 - 33 Construction - Wall + Top Slab	100	100	0% 30-Sep-16	02-Feb-17	-254		1 1 1				
	ELS + blinding (Bay 34 - 41) (8 bay)	55	25	54.55% 29-Aug-16 A		-238						
	Bay 34 - 39 Construction - Base Slab	75	75	0% 01-Nov-16	02-Feb-17	-220		1 1 1 1				;
	Bay 34 - 39 Construction - Wall + Top Slab, Staircase	75	75	0% 30-Nov-16	03-Mar-17	-227		1 		<u>+</u>		
	Bay 40 - 41 Construction - Base Slab	75	75	0% 03-Nov-16	04-Feb-17	-238		1 1 1				
	Bay 40 - 41 Construction - Wall + Top Slab, Staircase	75	75	0% 25-Nov-16	27-Feb-17	-238						
	und Private Car & GV Kiosks							1 1 1				
A03010	Submission & Approval for Steel Works	60	0	100% 01-Apr-16 A	30-Sep-16 A			1 1 1 1				
A03020	Pre-fabrication for the Steel Kiosks	84	84	0% 30-Sep-16	11-Jan-17	-156		1 		, 		
030 Outbou	und Kiosks, Section IX, Subject to Excision					i		1 1				
C03010	Submission & Approval for Steel Works	100	0	100% 01-Apr-16 A	30-Sep-16 A			1 1 1 1				-
C03020	Pre-fabrication for the Steel Kiosks	100	100	0% 30-Sep-16	02-Feb-17	-86		1 1 1				
Portion J Bu												
	und Private Car Exam Building											
A02400	Excavation + Blinding	10	10	0% 07-Oct-16	19-Oct-16	-121						
	Raft Foundation	30	30	0% 20-Oct-16	23-Nov-16	-121						
A02420	Super Structure	40	40	0% 24-Nov-16	12-Jan-17	-121		1 1 1				
	opy Installation							1 1 1				
	Shop Drawing Submission and Approval	30	30	0% 30-Sep-16	05-Nov-16	-70						
	Fabrication of F/C System	60	60	0% 07-Nov-16	18-Jan-17	-70		1				
	Metal Canopy							1 1 1	1			
	Shop Drawing Submission and Approval	30	30	0% 30-Sep-16	05-Nov-16	-55		1				
	Fabrication of F/C System und IMMD and DOH Secondary Screen Building	60	60	0% 07-Nov-16	18-Jan-17	-55		 				
	Excavation + Blinding (+ PL Test)	10	7	30% 19-Sep-16 A	08-Oct-16	-87		, ,				
	Raft Foundation	35	35	0% 11-Oct-16	19-Nov-16	-87						
	Super Structure	89	89	0% 21-Nov-16	10-Mar-17	-87		- - 				
	le Storey Support Building Associated with Buildings ks Ordinance (WSD)	044 a 045						 				
	Submission of WWO46 - Part I & II (Inside Services)	6	6	0% 13-Dec-16	19-Dec-16	13		1 1	·			
	m Building											
	Excavation + Blinding	5	5	0% 30-Sep-16	06-Oct-16	-64						
	Raft Foundation	25	25	0% 07-Oct-16	05-Nov-16	-64						
		''''''		· · · · · · · · · · · · · · · · · · ·		· /*	Date		Revision		Checked	Δρογ
Actual W				EE MONTH ROLLING			20 101 16	3MRP updated as o			ZJ	Appro
Remainin	ing Work	VEHICLE	CLEARANCE	PLAZAS AND ANCILL		GS AND FACILITI	ES 30-Jul-16 31-Aug-16				ZJ	(
		1		Page 15 of 19	`				of 30 Sep. 2016		ZJ	

ity ID	Indary Crossing Facilities - Vehicle Clearance Plazas an Activity Name	Original	-	% Complete	Start	Finish	Total Float			2016
., 10	r touvity Inditio	Duration	Duration	78 Complete	Start	1 mon		Sep	Oct	2010
A06140	Super Structure	40	40	0%	07-Nov-16	22-Dec-16	-64	Зер		
A06150	Finishing (KD9)	60	60		23-Dec-16	09-Mar-17	-54		-	
A06160	BS for Office Accommodations (KD9)	70	70		23-Dec-16	21-Mar-17	-64			
	n Metal Canopy									
B06110	Shop Drawing Submission and Approval	30	30	0%	23-Nov-16	29-Dec-16	108			
101 Outbo	und Traffic Control Kiosk				J					
A10100	Excavation + Blinding	5	5	0%	30-Sep-16	06-Oct-16	-159		-	
A10110	Raft Foundation	13	13		07-Oct-16	22-Oct-16	-159			
A10130	Super Structure (Roof Beams & Slabs)	30	30		24-Oct-16	26-Nov-16	-159			1
A10140	Finishing	45	45		28-Nov-16	21-Jan-17	74			
A10150	BS + E&M for AVCSS Works (KD18A)	60	60		28-Nov-16	11-Feb-17	-159			
A10160	BS + E&M for AVCSS Cabling (KD18B)	68	68		28-Nov-16	21-Feb-17	-102		-	
A10170	BS for Office Accommodations (KD9)	70	70		28-Nov-16	23-Feb-17	-42			
A10190	Other BS + E & M Installation	130	130		16-Dec-16	31-May-17	153			
HPL Com	posite Panel Cladding System				1	,				
 B10110	Shop Drawing Submission and Approval	30	30	0%	30-Sep-16	05-Nov-16	127			i
B10120	Fabrication of HPL Cladding	60	60		07-Nov-16	18-Jan-17	127			[
External W	orks for Portion J									1
	Location 1.7B									
	ELV Works & T&C in Location 1.7B	125	125	0%	10-Dec-16	18-May-17	0			
	Location 1.7C	120	.20	0,0	10 200 10	To May 17				
EU1530	ELV Works & T&C in Location 1.7C	125	125	0%	10-Dec-16	18-May-17	0		i 	
Drainage		125	125	0 /8	10-Dec-10	TO-Way-17				
AS0110	Initial Survey	6	0	100%	10 Son 16 A	29-Sep-16 A				1
ASUITU	Initial Survey	0	0	100%	19-Sep-16 A	29-3ep-16 A				
ED4220	Drainage Works (1700m & 86MHs), Stage 1 (Northern)	150	143	5%	25-Apr-16 A	24-Mar-17	-26			
LD4LLU		100	140	070	20701107		20			
ED4340	Sewerage (425m & 11MHs), Stage 1 (Northern)	150	143	5%	01-Jun-16 A	24-Mar-17	-26		 	1
			-							
Waterpipe	Laying									
EW4230	Fresh Water Main Laying (770m), Stage 1 (Northern)	100	100	0%	19-Dec-16	26-Apr-17	-26			
EW4240	Flushing Water Main Laying (431m), Stage 1 (Northern)	100	100	0%	19-Dec-16	26-Apr-17	-26			
Sign Gan	try DS104									
ES0140	Sign Gantry DS104 P-bored Piling, 8 Nr.	30	30	0%	07-Nov-16	10-Dec-16	137			I
ES5140	Submission and approval for Sign Gantry	60	60	0%	30-Sep-16	10-Dec-16	-13		1	
ES5150	Fabrication & Delivery of Sign Gantrys to Site	200	200	0%	12-Dec-16	17-Aug-17	-13			
PORTION	K, L, M, S & T									
Portion M	Buildings									
	D Mobile X-ray Operation Office, Portion M									
	posite Panel Cladding System									
C10810	Shop Drawing Submission and Approval	30	30	0%	30-Sep-16	05-Nov-16	86		1	1
C10820	Fabrication of HPL Cladding	60	60		07-Nov-16	18-Jan-17	86		1 1 1	ı
	Screening Station, at Portion M	00	00	0 /8	07-1100-10	10-0411-17	00			
	nvelop Structure Installation									
D10450	Shop Drawing Submission and Approval	30	30	0%	30-Sep-16	05-Nov-16	131			
D10450	Fabrication of F/C System	60	60		07-Nov-16	18-Jan-17	131		1	
External W		00	00	0%	07-1100-10	10-Jall-17	131			
Additiona	I Works (Filling & RE Slope), SA1									
Actual \	Nork		Тŀ		H ROLLING	PROGRAMM	E	Date		Revisi
	ing Work	VEHICLE					GS AND FACIL	ITIES 30-Jul-16		
Critical					Page 16 of 19			31-Aug-10		-
	ne				0			30-Sep-1	6 3MRP updated as of	130 Sep. 201



			Idings and Fa		Ctort	Linich	Total Float			2016		30-Sep- 20
ity ID	Activity Name	Original Duration	Duration	% Complete	Start	Finish	Total Float	Sep	Oct	Nov	Dec	J
ED3110	Design of RE Slope	41	0	100%	01-Aug-16 A	17-Sep-16 A				1107		
									· · · · · · · · · · · · · · · · · · · ·			<u></u>
ED3120	Approval of RE Slope by GEO/AECOM	86	76	11.63%	19-Sep-16 A	31-Dec-16	18					
ED3210	C1 Contractor to Completed cooling mains at east Portion (Stage1)	0	0	0%		30-Sep-16	61		C1 Contractor to Co	mpleted cooling mains a	tt east Portion (Stage	1)
ED3220	Removal of Access & Form another Temp. Access for Cooling Main	12	12	0%	30-Sep-16	15-Oct-16	50	l l				
ED3240	Fill Platform from +11.5PD to +13.5mPD	41	0	100%	08-Aug-16 A	10-Sep-16 A	1 1					
ED3250	Add surcharge to Platform at +14.5mPD	18	0	100%	12-Sep-16 A	15-Sep-16 A						
ED3260	Consolidation of fill at the Platform	61	46	25%	16-Sep-16 A	14-Nov-16	-117					
ED3270	Remove surcharge at the edge of Platform (North, Portion S, KD32)	21	21	0%	19-Dec-16*	14-Jan-17	-126				E	
ED3280	Remove surcharge at the Platform (East, Portion T, KD33)	21	21	0%	19-Dec-16*	14-Jan-17	-126				•	
ED3310	C1 Contractor to Complete Footbridge Supports at the South	0	0	0%		02-Nov-16*	-243			 C1 Contractor to 	Complete Footbridge	Supports a
ED3320	Portion Fill Platform from +11.5PD to near PCB (South)	24	24	0.9/	03-Nov-16	30-Nov-16	-197					
ED3320	Add surcharge to Platform at +14.5mPD near PCB (South)	18	18		03-N0V-16 01-Dec-16	21-Dec-16	-197		 	·		.
220000				0,0	01 200 10	21 200 10			1 1 1			-
ED3340	Consolidation of fill at the Platform (South)	61	61	0%	22-Dec-16	20-Feb-17	-238		1 1 1			
ED3410	C2 Contractor to complete abutment at the North (2 nos.)	0	0	0%		02-Nov-16*	0			 C2 Contractor to 	complete abutment a	t the North
ED3420	Fill Slope around C2 abutments	50	50	0%	03-Nov-16	03-Jan-17	10		, 1 1 1			
Canopy a	nd Covered Walkway								I I I			
CC1400	Shop drawing, Approved & Fabrication	150	150	0%	30-Sep-16	01-Apr-17	12					
CC1400 PORTION	Shop drawing, Approved & Fabrication	150	150	0%	30-Sep-16	01-Apr-17	12					
CC1400 PORTION Portion N	Shop drawing, Approved & Fabrication N Structure	150	150	0%	30-Sep-16	01-Apr-17	12					
CC1400 PORTION Portion N Box Culve	Shop drawing, Approved & Fabrication I N Structure ert B	150	150	0%	30-Sep-16	01-Apr-17	12					
CC1400 PORTION Portion N Box Culve Bored Pile	Shop drawing, Approved & Fabrication I N Structure ert B e						12					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill	26	150	100%	01-Aug-16 A	31-Aug-16 A	12					
CC1400 PORTION Portion N Box Culve Bored Pile	Shop drawing, Approved & Fabrication I N Structure ert B e			100%	01-Aug-16 A		12					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill	26	0	100%	01-Aug-16 A	31-Aug-16 A 17-Sep-16 A	25					
CC1400 PORTION Portion N S Box Culve Bored Pile SB0510 SB0540	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test	26 12	0	100% 100% 91.67%	01-Aug-16 A 05-Sep-16 A	31-Aug-16 A 17-Sep-16 A						
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0540 SB0550	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test	26 12 12	0	100% 100% 91.67% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A	31-Aug-16 A 17-Sep-16 A 30-Sep-16	25					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0550 SB0550 SB0560 SB0590	Shop drawing, Approved & Fabrication I N Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles	26 12 12 12 25	0 0 1 25	100% 100% 91.67% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16	31-Aug-16 A 17-Sep-16 A 30-Sep-16 01-Nov-16	25					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0550 SB0550 SB0560 SB0590	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure	26 12 12 12 25	0 0 1 25	100% 100% 91.67% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16	31-Aug-16 A 17-Sep-16 A 30-Sep-16 01-Nov-16	25					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0540 SB0550 SB0550 SB0560 SB0590 Box Culve	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1)	26 12 12 12 25 144	0 0 1 25 144	100% 100% 91.67% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16	31-Aug-16 A 17-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17	25 44 0			◆ Handover from R		
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0550 SB0550 SB0550 SB0590 Box Culve SB0710	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16)	226 12 12 12 25 144	0 0 1 25 144 75	100% 100% 91.67% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16	31-Aug-16 A 31-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17 03-Feb-17	25 44 0					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0540 SB0550 SB0550 SB0590 Box Culve SB0710 SB0715 SB0712 SB0722	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16) Box B - Temporary Works for Construction of Outfall Structure Buildings	226 12 12 12 12 12 14 144	0 0 1 25 144 75 0	100% 100% 91.67% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16	31-Aug-16 A 31-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17 03-Feb-17 01-Nov-16*	25 44 0 44 0					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0540 SB0550 SB0550 SB0550 SB0590 Box Culve SB0710 SB0715 SB0722 Portion N	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16) Box B - Temporary Works for Construction of Outfall Structure	226 12 12 12 12 12 14 144	0 0 1 25 144 75 0	100% 100% 91.67% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16	31-Aug-16 A 31-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17 03-Feb-17 01-Nov-16*	25 44 0 44 0					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0540 SB0550 SB0550 SB0550 SB0590 Box Culve SB0710 SB0715 SB0722 Portion N	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16) Box B - Temporary Works for Construction of Outfall Structure Buildings	226 12 12 12 12 12 14 144	0 0 1 25 144 75 0	100% 100% 91.67% 0% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16 02-Nov-16	31-Aug-16 A 31-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17 03-Feb-17 01-Nov-16*	25 44 0 44 0					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0550 SB0550 SB0560 SB0590 Box Culve SB0710 SB0715 SB0715 SB0722 Portion N 104 DOH	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16) Box B - Temporary Works for Construction of Outfall Structure Buildings Screening Station, at Portion N	26 12 12 12 25 144 75 0 120	0 0 1 25 144 75 0 120	100% 100% 91.67% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16 02-Nov-16	31-Aug-16 A 17-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17 03-Feb-17 01-Nov-16* 28-Mar-17	25 44 0 44 0 59					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0540 SB0550 SB0550 SB0560 SB0590 Box Culve SB0710 SB0715 SB0715 SB0722 Portion N 104 DOH C10405	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16) Box B - Temporary Works for Construction of Outfall Structure Buildings Screening Station, at Portion N Excavation + Blinding	26 12 12 12 25 144 75 0 120	0 0 1 25 144 75 0 120	100% 100% 91.67% 0% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16 02-Nov-16 02-Nov-16 02-Nov-16	31-Aug-16 A 31-Aug-16 A 17-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17 03-Feb-17 01-Nov-16* 28-Mar-17	25 44 0 44 0 59 -24					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0540 SB0550 SB0550 SB0550 SB0590 Box Culve SB0710 SB0715 SB0712 Portion N 104 DOH C10405 C10410	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16) Box B - Temporary Works for Construction of Outfall Structure Buildings Screening Station, at Portion N Excavation + Blinding Structure (Raft Foundation)	226 12 12 12 12 144 75 144 75 0 120	0 0 1 1 25 144 75 0 120 120	100% 100% 91.67% 0% 0% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16 02-Nov-16 02-Nov-16 02-Nov-16 02-Nov-16	31-Aug-16 A 31-Aug-16 A 17-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17 03-Feb-17 01-Nov-16* 28-Mar-17 28-Mar-17 06-Oct-16 05-Nov-16	25 44 0 44 0 59 -24 -24					
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0540 SB0550 SB0550 SB0590 Box Culve SB0710 SB0715 SB0712 Portion N 104 DOH C10405 C10410 C10420 E10410	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16) Box B - Temporary Works for Construction of Outfall Structure Buildings Screening Station, at Portion N Excavation + Blinding Structure (Raft Foundation) Finishing BS for Office Accommodations (KD9)	226 12 12 12 12 12 144 75 144 75 0 120 120	0 0 1 1 25 144 75 0 120 120 120 5 5 25 45 70	100% 100% 91.67% 0% 0% 0% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16 02-Nov-16 02-Nov-16 02-Nov-16 03-Sep-16 07-Oct-16 07-Nov-16	31-Aug-16 A 31-Aug-16 A 17-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17 03-Feb-17 01-Nov-16* 28-Mar-17 01-Nov-16* 28-Mar-17 05-Nov-16 30-Dec-16 02-Feb-17	25 44 0 44 0 59 -24 -24 -24 3 -24			 Handover from R Revision 		
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0550 SB0550 SB0550 Box Culve SB0710 SB0715 SB0715 SB0722 Portion N 104 DOH C10405 C10410 C10420 E10410 Actual	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16) Box B - Temporary Works for Construction of Outfall Structure Buildings Screening Station, at Portion N Excavation + Blinding Structure (Raft Foundation) Finishing BS for Office Accommodations (KD9) Work	26 12 12 25 144 75 0 120 120 120 5 25 45 70	0 0 1 1 25 144 75 0 120 120 120 5 25 45 70	100% 100% 91.67% 0% 0% 0% 0% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16 02-Nov-16 02-Nov-16 02-Nov-16 07-Oct-16 07-Oct-16 07-Nov-16 07-Nov-16	31-Aug-16 A 17-Sep-16 A 30-Sep-16 A 01-Nov-16 29-Apr-17 03-Feb-17 01-Nov-16* 28-Mar-17 05-Nov-16 30-Dec-16 02-Feb-17 PROGRAMME	25 44 0 44 0 59 -24 -24 -24 3 -24	IFS 30-Jul-16	3MRP updated as of s	 Handover from R Revision 30 July 2016 	C (1/11/16)	
CC1400 PORTION Portion N Box Culve Bored Pile SB0510 SB0550 SB0550 SB0550 SB0590 Box Culve SB0710 SB0715 SB0715 SB0712 Portion N 104 DOH C10405 C10410 C10420 E10410	Shop drawing, Approved & Fabrication IN Structure ert B e Additional pre-drill Preliminary piles Loading Test Install H-piles Box B - Bore Pile (14 nos.) ert Structure Box B - Construction (Stage 1) Handover from RC (1/11/16) Box B - Temporary Works for Construction of Outfall Structure Buildings Screening Station, at Portion N Excavation + Blinding Structure (Raft Foundation) Finishing BS for Office Accommodations (KD9)	26 12 12 25 144 75 0 120 120 120 5 25 45 70	0 0 1 1 25 144 75 0 120 120 120 5 25 45 70	100% 100% 91.67% 0% 0% 0% 0% 0% 0% 0%	01-Aug-16 A 05-Sep-16 A 19-Sep-16 A 03-Oct-16 02-Nov-16 02-Nov-16 02-Nov-16 02-Nov-16 07-Oct-16 07-Oct-16 07-Nov-16 07-Nov-16	31-Aug-16 A 31-Aug-16 A 17-Sep-16 A 30-Sep-16 01-Nov-16 29-Apr-17 03-Feb-17 01-Nov-16* 28-Mar-17 01-Nov-16* 28-Mar-17 06-Oct-16 05-Nov-16 30-Dec-16 02-Feb-17 PROGRAMME ARY BUILDING	25 44 0 44 0 59 -24 -24 -24 3 -24	30- Jul-16	3MRP updated as of 3 3MRP updated as of 3	 Handover from R Revision 30 July 2016 31 Aug. 2016 	C (1/11/16)	

y ID	Activity Name	Original	Remaining	% Complete	Start	Finish	Total Float				2016
		Duration	Duration					Sep		Oct	
E10430	Other BS + E & M Installation	130	130	0%	25-Nov-16	09-May-17	96				
Facade Env	velop Structure Installation										
D10410	Shop Drawing Submission and Approval	30	30	0%	15-Oct-16	18-Nov-16	131				1
D10415	Fabrication of F/C System	60	60	0%	19-Nov-16	03-Feb-17	131				
106 C&ED	Detention Area Guard Booth										
A10600	Excavation + Blinding	5	5	0%	30-Sep-16	06-Oct-16	-76				
A10610	Structure (Raft Foundation)	20	20	0%	07-Oct-16	31-Oct-16	-76				
A10640	Finishing	45	45	0%	01-Nov-16	22-Dec-16	8				
E10640	BS for Office Accommodations (KD9)	70	70	0%	01-Nov-16	24-Jan-17	-19				
E10660	Other BS + E & M Installation	130	130	0%	19-Nov-16	02-May-17	26				
Facade Env	velop Structure Installation	· · · · · · · · · · · · · · · · · · ·									
B10610	Shop Drawing Submission and Approval	30	30	0%	29-Nov-16	05-Jan-17	83				
107 C&ED	Mobile X-ray Operation Office, Portion N										
A10700	Excavation + Blinding	5	5	0%	07-Oct-16	13-Oct-16	-61				
A10710	Substructure (Raft Foundation)	25	25		01-Nov-16	29-Nov-16	-76				
A10740	Super Structure	35	35		30-Nov-16	12-Jan-17	-76			{ !	
	orks for Portion N										
	ocation 1.7A										
EU1540	ELV Works & T&C in Location 1.7A	125	125	0%	10-Dec-16	18-May-17	0				
		125	125	0 /8	10-Dec-10	10-1viay-17	0				
Drainage V		10	10	0.04	00.0 40						
AS0150	Initial Survey	12	12		30-Sep-16	15-Oct-16	-151			_	
ED4620	Drainage Works (964m & 56MHs), Stage 1 (Southern)	75	75		17-Oct-16	14-Jan-17	0				1
ED4650	Sewerage (383m & 12MHs), Stage 1 (Southern)	75	75	0%	17-Oct-16	14-Jan-17	0				
	g for Utilities/Telecom Cabling, TCSS & Lighting			,							
EU5470	Duct & Cable Laying for TCSS & Lighting	125	125	0%	15-Nov-16	20-Apr-17	-151				
Portion Stru										1 1 1 1	
Retaining		400	100	0.0/	00.0 40		450				
RW1110	Construction of Retaining Wall RW1 (U-shape, 5 bays)	100	100	0%	30-Sep-16	02-Feb-17	152		-		1
Portion P B	uildings									1 1 1 1	
	Buildings Guard Booth, Portion P										
105 IMMD	Guard Booth, Portion P										
105 IMMD	Guard Booth, Portion P velop Structure Installation	30	30	0%	30-Sep-16	05-Nov-16	116				
105 IMMD	Guard Booth, Portion P	30	30		30-Sep-16 07-Nov-16	05-Nov-16 18-Jan-17	116				
105 IMMD (Facade Env A10560 A10565	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System				-						
105 IMMD (Facade Env A10560 A10565 External Wo	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P				-						
105 IMMD Facade Em A10560 A10565 External Wo Drainage W	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks	60	60	0%	07-Nov-16	18-Jan-17	116				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey			0%	-						
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting	60	60 6	0%	07-Nov-16 30-Sep-16	18-Jan-17 07-Oct-16	-31				
105 IMMD Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15)	60	60	0%	07-Nov-16	18-Jan-17	116				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q	60	60 6	0%	07-Nov-16 30-Sep-16	18-Jan-17 07-Oct-16	-31				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey of for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q	60	60 6	0%	07-Nov-16 30-Sep-16	18-Jan-17 07-Oct-16	-31				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo Duct Layin	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey of or Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q of or Utilities/Telecom Cabling, TCSS & Lighting	60 6 24	60 6 24	0%	07-Nov-16 30-Sep-16 19-Oct-16	18-Jan-17 07-Oct-16 15-Nov-16	-31				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo Duct Layin ED5570	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for Utilities/Telecom	60 6 24 50	60 6	0%	07-Nov-16 30-Sep-16 19-Oct-16 08-Oct-16	18-Jan-17 07-Oct-16	116 31 31				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo Duct Layin ED5570 ED5580	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for Utilities/Telecom Duct & Cable Laying for TCSS & Lighting	60 6 24 50 34	60 6 24 50 34	0% 0% 0% 0%	07-Nov-16 30-Sep-16 19-Oct-16 08-Oct-16 08-Oct-16	18-Jan-17 07-Oct-16 15-Nov-16 06-Dec-16 17-Nov-16	116 -31 -31 -31 -31 -31 -210 -29				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo Duct Layin ED5570	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for Utilities/Telecom	60 6 24 50	60 6 24 50	0% 0% 0% 0%	07-Nov-16 30-Sep-16 19-Oct-16 08-Oct-16	18-Jan-17 07-Oct-16 15-Nov-16	116 31 31				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo Duct Layin ED5570 ED5580	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey of for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting Duct & Cable Laying for Utilities/Telecom Duct & Cable Laying for TCSS & Lighting ELV System Installation for Contract HY/2013/04	60 6 24 50 34	60 6 24 50 34	0% 0% 0% 0%	07-Nov-16 30-Sep-16 19-Oct-16 08-Oct-16 08-Oct-16	18-Jan-17 07-Oct-16 15-Nov-16 06-Dec-16 17-Nov-16	116 -31 -31 -31 -31 -31 -210 -29				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo External Wo ED5570 ED5580 EU1490	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey of for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting Duct & Cable Laying for Utilities/Telecom Duct & Cable Laying for TCSS & Lighting ELV System Installation for Contract HY/2013/04	60 6 24 50 34	60 6 24 50 34	0% 0% 0% 0% 0%	07-Nov-16 30-Sep-16 19-Oct-16 08-Oct-16 08-Oct-16	18-Jan-17 07-Oct-16 15-Nov-16 06-Dec-16 17-Nov-16	116 -31 -31 -31 -31 -31 -210 -29				
105 IMMD Facade Em A10560 A10565 External Wor Drainage W AS0160 Duct Layin EU5490 PORTION O External Wor Duct Layin EU5580 ED5580 EU1490	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting Duct & Cable Laying for Utilities/Telecom Duct & Cable Laying for TCSS & Lighting ELV System Installation for Contract HY/2013/04	60 6 24 50 34 50	60 6 24 50 34 50	0% 0% 0% 0% 0% 0%	07-Nov-16 30-Sep-16 19-Oct-16 08-Oct-16 08-Oct-16 21-Oct-16	 18-Jan-17 07-Oct-16 15-Nov-16 06-Dec-16 17-Nov-16 17-Dec-16 	116 -31 -31 -31 -31 -210 -29 281				
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo ED5570 ED5580 EU1490 Roadworks AS0170 ER4920	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System brks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q brks for Portion Q g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting Duct & Cable Laying for TCSS & Lighting ELV System Installation for Contract HY/2013/04 S Initial Survey Subbase (104 ton)	60 6 24 24 50 34 50	60 6 24 50 34 50 6 75	0% 0% 0% 0% 0% 0%	07-Nov-16 30-Sep-16 19-Oct-16 08-Oct-16 08-Oct-16 21-Oct-16 30-Sep-16 12-Oct-16	 18-Jan-17 07-Oct-16 15-Nov-16 15-Nov-16 17-Nov-16 17-Dec-16 07-Oct-16 10-Jan-17 	116 -31 -31 -31 -31 -31 -31 -31 -31 -31 -31		Date		Revi
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo ED5570 ED5580 EU1490 Roadworks AS0170 ER4920	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for Utilities/Telecom Duct & Cable Laying for Utilities/Telecom Duct & Cable Laying for TCSS & Lighting ELV System Installation for Contract HY/2013/04 S Initial Survey Subbase (104 ton)	60 6 24 24 50 34 50 6 75	60 6 24 50 34 50 6 75 T H	0% 0% 0% 0% 0% 0% 0%	07-Nov-16 30-Sep-16 19-Oct-16 08-Oct-16 08-Oct-16 21-Oct-16 30-Sep-16 12-Oct-16 H ROLLING	 18-Jan-17 07-Oct-16 15-Nov-16 15-Nov-16 17-Nov-16 17-Dec-16 07-Oct-16 10-Jan-17 FROGRAMM 	116 -31 -31 -31 -31 -29 281 -29 281 -29 210		Date 30-Jul-16	SMRP update	
105 IMMD (Facade Em A10560 A10565 External Wo Drainage W AS0160 Duct Layin EU5490 PORTION (External Wo ED5570 ED5580 EU1490 Roadworks AS0170 ER4920	Guard Booth, Portion P velop Structure Installation Shop Drawing Submission and Approval Fabrication of F/C System orks for Portion P Vorks Initial Survey g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for TCSS & Lighting (KD15) Q orks for Portion Q g for Utilities/Telecom Cabling, TCSS & Lighting Duct & Cable Laying for Utilities/Telecom Duct & Cable Laying for Utilities/Telecom Duct & Cable Laying for TCSS & Lighting ELV System Installation for Contract HY/2013/04 S Initial Survey Subbase (104 ton)	60 6 24 24 50 34 50 6 75	60 6 24 50 34 50 6 75 T H	0% 0% 0% 0% 0% 0% 0% 1REE MONT E PLAZAS A	07-Nov-16 30-Sep-16 19-Oct-16 08-Oct-16 08-Oct-16 21-Oct-16 30-Sep-16 12-Oct-16 H ROLLING	18-Jan-17 07-Oct-16 15-Nov-16 17-Nov-16 17-Dec-16 07-Oct-16 07-Oct-16 10-Jan-17	116 -31 -31 -31 -31 -29 281 -29 281 -29 210	CILLIES		3MRP update	Revi d as of 30 July 20 d as of 31 Aug. 20 d as of 30 Sep. 20



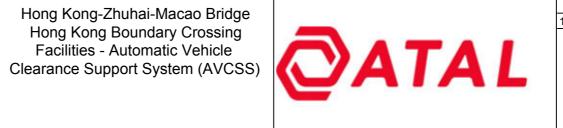
ity ID	Activity Name	Original		% Complete Start	Finish	Total Float		201	6		20
		Duration	Duration				Sep	Oct	Nov	Dec	J
ER4950	Bitumen Pavement (215 ton)	75	75	0% 12-Nov-16	14-Feb-17	210					
Railing											
ER4890	Railing	75	75	0% 14-Dec-16	17-Mar-17	210		// 			·
Road Furn	iture										
ER4900	Road Furniture	75	75	0% 14-Dec-16	17-Mar-17	210					
.andscape	e Works										
A5170	Design and Procurement for Irrigation System	200	110	45% 02-Jul-16	A 17-Jan-17	0		1	1		
	5 5 7										1

Actual Work	THREE MONTH ROLLING PROGRAMME	Date	Revis
Remaining Work		30-Jul-16	3MRP updated as of 30 July 201
	VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES	31-Aug-16	3MRP updated as of 31 Aug. 201
Critical	Page 19 of 19	30-Sep-16	3MRP updated as of 30 Sep. 20 ⁻
 ♦ Milestone 			

ision	Checked	Approved
16	ZJ	
016	ZJ	
016	ZJ	

15	/2013/06		Detail Wo	<u> </u>							_						Page 1 o
y ID	Activity Name	Original Start Duration	Finish	Total Float	2 Q2	015 Q3	Q4	Q1	2016 Q2	Q3 Q4	Q1	2 Q2	017 Q3	Q4	2018 Q1 Q2 Q3	Q4	2019 Q1 (
Hong Kon	g-Zhuhai_Macao Bridge Hong Kong Boundary Crossir	1266 31-Jul-15 A	30-Jan-19	0		V								Q.T		QT	3 0-Jan
🖥 Key Date		901 31-Jul-15 A	30-Jan-18	0		+	_								🔻 30-Jan-18, Key Da	ates	
A1000	Acceptance of Contract	0 31-Jul-15 A					roentanre	of Contr	act, 31-Jul-	15Δ							
A1000	Commencement of Works	0 14-Aug-15*		0		1 1 1 1	1111	1 1 1	Works, 14	1 1 1 1 1							
A1010	Excision of Phase 2 (Section II & III)	365 14-Aug-15	12-Aug-16	0						Excision	of Phase	2 (Section	n &)				
A1120	KD1 (Phase 1 / Section I) (28 Kiosks)	0	24-Jul-17*	0		÷÷		• +					+	hase 1	/ Section I) (28 Kiosks		
A1120	KD2 (Phase 2 / Section II) (2 Kiosks)	0	02-Oct-17*	0									1 I I I I	1.1.1.	hase 2 / Section II) (2		
A1470	KD3 (Phase 2 / Section III) (2 Klosks)	0	30-Jan-18*	0									· · · · · ·	1 1 1	♦ KD3 (Phase 2 / Section 11) (2		2 Kineke)
Interface		430 14-Aug-15	16-Oct-16	128						16-	Oct-16.	nterface /	Activities				
		<u> </u>							Interfeed								
A6860	Interface Management Plan Submission between C6 and C1	212 14-Aug-15	12-Mar-16	154		÷			4 5 5 4	lanagement			+ + + +	4 5 5-			
A6865	Interface Management Plan between C6 and C1 reviewed by Engineer	14 13-Mar-16	26-Mar-16	154						Managemen							
A6870	Detailed Interface Document Submission between C6 and C1	30 27-Mar-16	25-Apr-16	154						ed Interface D				1 1 1			
A6875	Detailed Interface Document between C6 and C1 reviewed by Engineer	14 26-Apr-16	09-May-16	154					1 T 1 1			1 1 1		111	ved by Engineer		
A6880	Interface Management Plan Submission between C6 and C3	262 14-Aug-15	01-May-16	76						ace Managen							
A6885	Interface Management Plan between C6 and C3 reviewed by Engineer	14 02-May-16	15-May-16	76		÷.			4 4 4 4	4 +				4 4 4	/ed by Engineer		
A6890	Detailed Interface Document Submission between C6 and C3	30 16-May-16	14-Jun-16	76					i i i i	etailed Interfa		i i i	i i i i	i i i			
A6895	Detailed Interface Document between C6 and C3 reviewed by Engineer	14 15-Jun-16	28-Jun-16	76											eviewed by Engineer		
A6900	Interface Management Plan Submission between C6 and C8	372 14-Aug-15	19-Aug-16	128							1 1 1			1 I I	en C6 and C8		
A6905	Interface Management Plan between C6 and C8 reviewed by Engineer	14 20-Aug-16	02-Sep-16	128											C8 reviewed by Engir	neer	
A6910	Detailed Interface Document Submission between C6 and C8	30 03-Sep-16	02-Oct-16	128		÷				1				. با بر با بر بر از	etween C6 and C8		
A 6915	Detailed Interface Document between C6 and C8 reviewed by Engineer	14 03-Oct-16	16-Oct-16	128						De De	tailed Inte	1 1 1		1 I I	6 and C8 reviewed by	Engineer	
Site and	Facility Inspection	424 26-Apr-16	23-Jun-17	586									23-Jun-17	, Site a	nd Facility Inspection		
🛑 A4730	Pre Site and Facility Inspection by Contractor at Location 1 - Deg1	7 26-Apr-16*	02-May-16	154					🛛 Pre S	ite and Facilit	y Inspect	ion by Co	ntractor at L	ocation	1 - Deg1		
🛑 A4740	Joint Site and Facility Inspection with Interface Contractor at Location 1 - Deg1	7 03-May-16	09-May-16	154					I Joint	Site and Fac	lity Inspe	ction with	Interface Co	ontracto	or at Location 1 - Deg1		
🔲 A4760	Pre Site and Facility Inspection by Contractor at Location 2 - Deg1	7 25-Jun-16*	01-Jul-16	94					d	Pre Site and	Facility Ir	spection	by Contracto	or at Lo	cation 2 - Deg1		
🔲 A4770	Joint Site and Facility Inspection with Interface Contractor at Location 2 - Deg1	7 02-Jul-16*	08-Jul-16	94					Þ	Joint Site an	d Faċility	Inspectio	n with Interfa	ce Con	tractor at Location 2 -	Deg1	
— A4772	Pre Site and Facility Inspection by Contractor at Location 2 - Deg2	7 14-Aug-16*	20-Aug-16	122						Pre Site	and Fac	ility Inspec	tion by Cont	tractor a	at Location 2 - Deg2		
🔲 A4774	Joint Site and Facility Inspection with Interface Contractor at Location 2 - Deg2	7 21-Aug-16	27-Aug-16	122						Joint Sit	e and Fa	cility Insp	ection with Ir	iterface	Contractor at Locatio	n 2 - Deg2	
a4775	Joint Site and Facility Inspection with Interface Contractor at Location 2 for Server	7 21-Aug-16*	27-Aug-16	122						Joint Sit	e and Fa	cility Insp	ection with Ir	iterface	Contractor at Locatio	n 2 for Ser	ver Install
🔲 A4780	Installation Pre Site and Facility Inspection by Contractor at Location 3 - Deg1	7 03-Sep-16*	00 Sop 16	87							to and Er		action by Co	ntracto	r at Location 3 - Deg1		
	Joint Site and Facility Inspection by Contractor at Location 3 - Deg1	7 03-Sep-16	-					·		++	+	- +	++		+ + +	+	
A4790 A4800	Pre Site and Facility Inspection by Contractor at Location 3 - Deg Pre Site and Facility Inspection by Contractor at Location 3 - Deg2		16-Sep-16	87						JOINT			1 1 1 1		ce Contractor at Locat	-	
	Joint Site and Facility Inspection by Contractor at Location 3 - Deg2	7 31-Jan-17* 7 07-Feb-17	06-Feb-17 13-Feb-17	0								1 1 1	1 1 1 1	1 I I	h by Contractor at Loc		
A4810 A4820	Pre Site and Facility Inspection by Contractor at Location 3 - Deg2	7 03-Sep-16*	09-Sep-16	115										1 1 1	on with Interface Cont r at Location 3a - Deg		
A4820	Joint Site and Facility Inspection by Contractor at Location 3a - Deg1	7 10-Sep-16	16-Sep-16	115	1 1 1 1					1 1 1 1 1				1 1 1	ce Contractor at Locat		a 1
A4840	Pre Site and Facility Inspection by Contractor at Location 3a - Deg P	7 10-3ep-10 7 22-Nov-16*	28-Nov-16	70				+		+-		- +	+ +	i-	ontractor at Location 3	i+	91
A4040	Joint Site and Facility Inspection by Contractor at Location 3a - Deg2	7 22-Nov-16	05-Dec-16	70											Interface Contractor		3a - Ded2
A4851	Joint Site and Facility Inspection with Interface Contractor at Location 3a for Server Installation	7 29-Nov-16*	05-Dec-16	119						þ	1 1 1			5 5 5	Interface Contractor		
— A4860	Pre Site and Facility Inspection by Contractor at Location 4 - Deg1	7 11-Jan-17*	17-Jan-17	20							D Pre	Site and	Facility Insp	ection h	oy Contractor at Locati	on 4 - Dea	1
A4870	Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg1	7 18-Jan-17	24-Jan-17	20							i i i	i i i		i i i	with Interface Contra		i i i i
A4880	Pre Site and Facility Inspection by Contractor at Location 4 - Deg2	7 10-Jun-17*	16-Jun-17	586		+-+-+						- +	· + + +	fkk-	ity Inspection by Contr		<u>+</u>
A4890	Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg2	7 17-Jun-17	23-Jun-17	586										1 I I	cility Inspection with Int		
A4891	Pre Site and Facility Inspection by Contractor at Location 4 - Deg2	7 11-Jan-17*	17-Jan-17	41							Pro	i i i		i i i	by Contractor at Locati		i i i i
						i i l i		<u>; ; ; ;</u>	<u>; ; ; ; ;</u>	<u>; ; ; ; ; ;</u>							
gramme No.: H	ZMB-DWP Actual Level of Effort	Hono	Kong-Zhu	ihai-Ma	icao P	ridae								Date		Checked	Appr
Date: 14-Aug			•			•		_					14-No	v-16	Rev.: 0 Wo	С	LC
	Remaining Work		ig Kong Bo cilities - Au			•				T		-					

- Critical Remaining Work
- Milestone ٠
- summary



Contract No.: HY	//2013/06		Detail W	ork Progra	amme																	Page 2	2 of 1
ctivity ID	Activity Name	Original Start Duration	Finish	Total Float)15				2016)17				2018		20	019
		Duration		Fillal	Q2	Q3	Q4	Q1	Q2		Q3	Q4	Q		Q2	Q3	Q4			Q3		Q1	Q2
A4892	Joint Site and Facility Inspection with Interface Contractor at Location 4a - Deg1	7 18-Jan-17	24-Jan-17	41									0	Jpint S	ite an	d Facility	Inspe	ction with	n Interfac	e Contra	ictor at Loc	cation 4a -	Deg
😑 A4900	Pre Site and Facility Inspection by Contractor at Location 4a - Deg2	7 21-Apr-17*	27-Apr-17	0							<u>.</u>				Pre	Site and	Facili	ty Inspec	tion by C	ontracto	r at Locatio	on 4a - Deo	g2
😑 A4910	Joint Site and Facility Inspection with Interface Contractor at Location 4a - Deg2	7 28-Apr-17	04-May-17	0											Joi	nt Site ai	nd Fac	ility Insp	ection with	n Interfa	ce Contrac	ctor at Loca	ation
😑 A4920	Pre Site and Facility Inspection by Contractor at Location 5 - Deg1	7 15-Jun-16*	21-Jun-16	76						∎ P	re Site	and F	acility	Inspec	tion by	Contra	ctor at	Location	5 - Deg	1			
😑 A4930	Joint Site and Facility Inspection with Interface Contractor at Location 5 - Deg1	7 22-Jun-16	28-Jun-16	76						D J	Join't S	ite and	Facilit	y Inspe	ection	with Inte	rface (Contract	or at Loca	ation 5 -	Deg1		
🔲 A4940	Pre Site and Facility Inspection by Contractor at Location 5 - Deg2	7 02-Nov-16*	08-Nov-16	121								1 P	re Site	e and F	acility	Inspecti	on by	Contract	or at Loca	ation 5 -	Deg2		
🔲 A4950	Joint Site and Facility Inspection with Interface Contractor at Location 5 - Deg2	7 09-Nov-16	15-Nov-16	121								0.	JointS	ite and	Facili	ty Inspe	tion w	ith Interf	ace Cont	ractor a	Location 5	5 - Deg2	
🔲 A4960	Pre Site and Facility Inspection by Contractor at Location 6 - Deg1	7 03-Sep-16*	09-Sep-16	59							1	Pre Sit	eland	Facility	Inspe	ction by	Contr	actor at l	ocation 6	6 - Deg1			
🔲 A4970	Joint Site and Facility Inspection with Interface Contractor at Location 6 - Deg1	7 10-Sep-16	16-Sep-16	59							0	Joint S	Site an	d Facil	lity Ins	pection v	vith Int	erface C	ontractor	at Loca	tion 6 - De	g1	
🔲 A4980	Pre Site and Facility Inspection by Contractor at Location 6 - Deg2	7 23-Oct-16*	29-Oct-16	131								🛚 🛛 Pr	e Site	and Fa	acility	Inspectio	h by C	ontracto	r at Loca	tion 6 - I	Deg2		
🔲 A4990	Joint Site and Facility Inspection with Interface Contractor at Location 6 - Deg2	7 30-Oct-16	05-Nov-16	131								D Jo	oint Sit	te and	Facilit	v Inspect	ion wit	h Interfa	ce Contra	actor at	Location 6	- Deg2	
A5000	Pre Site and Facility Inspection by Contractor at Location 7 - Deg1	7 26-Apr-16*	02-May-16	126					0 P	re Si	te and	Facility	y Inspe	ection b	y Çor	tractor a	t Loca	tion 7 - I	Deg1				
A5010	Joint Site and Facility Inspection with Interface Contractor at Location 7 - Deg1	7 03-May-16	09-May-16	126					·		ii	ii i -							Location	7 - Deg	1		i i
A5020	Pre Site and Facility Inspection by Contractor at Location 8 - Deg1	7 03-Oct-16*	09-Oct-16	128							1 1	: : :	1 1		1 1	: : :	1 1 1		at Locatic				
A5030	Joint Site and Facility Inspection with Interface Contractor at Location 8 - Deg1	7 10-Oct-16	16-Oct-16	128										1 1	1 1	1 I I	1 1 1			1 1	cation 8 - I	Deg1	
A5040	Pre Site and Facility Inspection by Contractor at Location 8 - Deg2	7 02-May-17*	08-May-17	0											1 1-		1 1 1					ion 8 - Dec	a2
A5050	Joint Site and Facility Inspection with Interface Contractor at Location 8 - Deg2	7 09-May-17	15-May-17	0											i i .		i i i		ii	i i .		actor at Loc	,
A5060	Pre Site and Facility Inspection by Contractor at Location 9 - Deg1	7 01-Jan-17*	07-Jan-17	64									P	re Site							on 9 - Deg		
A5070	Joint Site and Facility Inspection with Interface Contractor at Location 9 - Deg1	7 08-Jan-17	14-Jan-17	64										1 1	1 1					1 1		ation 9 - De	berd 1
A5080	Pre Site and Facility Inspection by Contractor at Location 9 - Deg2	7 21-May-17*	27-May-17	0											1 1	1 I I	1 1 1			1 1		ation 9 - D	1 1
A5090	Joint Site and Facility Inspection by Contractor at Escation 9 - Deg2	7 28-May-17	03-Jun-17	0											: :		1 1 1					ractor at L	1 7
	Pre Site and Facility Inspection by Contractor at Location 10 - Deg1	7 20-May-17 7 22-Nov-16*	28-Nov-16	30								n d		ito ond	i i .		1 1 1		ctor at Lo				-004
A5100												ii ÷ -	· - j j		-jj ·	r ri	-iii		iii		i		
A5110	Joint Site and Facility Inspection with Interface Contractor at Location 10 - Deg1	7 29-Nov-16	05-Dec-16	30									1.1	1 1	1 1		1 1 1			1 1	: : : :	110 - Deg1	
A5120	Pre Site and Facility Inspection by Contractor at Location 10 - Deg2	7 31-Jan-17*	06-Feb-17	40										1 1	1 1		1 1 1			1 1	ation 10 - I		
A5130	Joint Site and Facility Inspection with Interface Contractor at Location 10 - Deg2	7 07-Feb-17	13-Feb-17	40									1 1	1 1	: :					1 1		ocation 10	<u>ט</u> - נ
A5140	Pre Site and Facility Inspection by Contractor at Location 11 - Deg1	7 03-Sep-16*	09-Sep-16	70							1						1 1 1		ocation				
A5150	Joint Site and Facility Inspection with Interface Contractor at Location 11 - Deg1	7 10-Sep-16	16-Sep-16	70																	tion 11 - D	÷g1	1
a A5160	Pre Site and Facility Inspection by Contractor at Location 11 - Deg2	7 22-Nov-16*	28-Nov-16	140								: : :	1.1	1 1	1 1		1 1 1		ctor at Lo	1 1	i i i		
A5170	Joint Site and Facility Inspection with Interface Contractor at Location 11 - Deg2	7 29-Nov-16	05-Dec-16	140																1 1		11 - Deg2	2
— A5180	Pre Site and Facility Inspection by Contractor at Location 12 - Deg1	7 03-Sep-16*	09-Sep-16	0							1 1	: : :							_ocation				
A5190	Joint Site and Facility Inspection with Interface Contractor at Location 12 - Deg1	7 10-Sep-16	16-Sep-16	0									- i - i -	1	1 I I		i i i				tion 12 - D	eg1	
A5200	Pre Site and Facility Inspection by Contractor at Location 12 - Deg2	7 22-Nov-16*	28-Nov-16	33															ctor at Lo				(
A 5210	Joint Site and Facility Inspection with Interface Contractor at Location 12 - Deg2	7 29-Nov-16	05-Dec-16	33								: : :	1 1	1 1	1 1	1 1 1	1 1 1			1.1	: : : :	12 - Deg2	2
A5220	Pre Site and Facility Inspection by Contractor at Location 13 - Deg1	7 22-Nov-16*	28-Nov-16	0									i i	i i	i i -		i i i		ctor at Lo	- i - i			
😑 A5230	Joint Site and Facility Inspection with Interface Contractor at Location 13 - Deg1	7 29-Nov-16	05-Dec-16	0									Joint	Site ar	nd Fac	ility Insp	ection	with Inte	rface Co	ntractor	at Location	13 - Deg1	1
🔲 A5240	Pre Site and Facility Inspection by Contractor at Location 13 - Deg2	7 31-Jan-17*	06-Feb-17	0										Pre S	Site an	d Facility	Inspe	ction by	Contracto	or at Loc	ation 13 - I	Deg2	
— A5250	Joint Site and Facility Inspection with Interface Contractor at Location 13 - Deg2	7 07-Feb-17	13-Feb-17	0										Joint	Site a	nd Facil	ity Insp	ection w	ithInterf	ice Con	ractor at L	ocation 13	3 - D
🔲 A5260	Pre Site and Facility Inspection by Contractor at Location 14 - Deg1	7 01-Apr-17*	07-Apr-17	68										D	Pre S	ite and F	acility	Inspectio	on by Cor	tractor	at Location	14 - Deg1	1
— A5270	Joint Site and Facility Inspection with Interface Contractor at Location 14 - Deg1	7 08-Apr-17	14-Apr-17	68										0	Joint	Site and	Facili	y Inspec	tion with I	nterface	Contracto	or at Locati	ion 1
🛑 A5300	Pre Site and Facility Inspection by Contractor at Location 15 - Deg1	7 03-Sep-16*	09-Sep-16	206							10	Pre Sit	eand	Facility	Inspe	ction by	Contr	actor at l	ocation	15 - Deg	1		
— A5310	Joint Site and Facility Inspection with Interface Contractor at Location 15 - Deg1	7 10-Sep-16	16-Sep-16	206							0	Joint S	Site an	d Facil	lity Ins	pection v	vith Int	erface C	ontractor	at Loca	tion 15 - D	eg1	
🛑 A5320	Pre Site and Facility Inspection by Contractor at Location 15 - Deg2	7 22-Nov-16*	28-Nov-16	140								Ū	PreS	ite and	Facili	ty Inspe	tion b	y Contra	ctor at Lo	cation 1	5 - Deg2		
😑 A5330	Joint Site and Facility Inspection with Interface Contractor at Location 15 - Deg2	7 29-Nov-16	05-Dec-16	140								D	Joint	Site ar	nd Fac	ility Insp	ection	with Inte	rface Co	ntractor	at Location	n 15 - Deg2	j 2
🔲 A5340	Pre Site and Facility Inspection by Contractor at Location 16 - Deg1	7 03-Sep-16*	09-Sep-16	227							D	Pre Sit	eand	Facility	, Inspe	ction by	Contr	actor at l	ocation	16 - Deg	1		
🔲 A5350	Joint Site and Facility Inspection with Interface Contractor at Location 16 - Deg1	7 10-Sep-16	16-Sep-16	227							: : <mark>n</mark>	Idint S	Site an	d Facil	itv Ins	bection v	vith Int	erface C	ontractor	at Loca	tion 16 - D	eg1	

- Actual Level of Effort Actual Work Remaining Work Critical Remaining Work
- Milestonesummary



Date	Revision	Checked	Approved
Nov-16	Rev.: 0	WC	LC

A5360 Pre A5370 Joir A5375 Pre A5378 Joir A5378 Joir A5378 Joir A5378 Joir A5380 Pre A5390 Joir A5395 Pre A5396 Joir A5400 Pre A5410 Joir A5420 Pre A5430 Joir	ivity Name Site and Facility Inspection by Contractor at Location 16 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 16 - Deg2 Site and Facility Inspection by Contractor at Location 17 - Deg1 The Site and Facility Inspection with Interface Contractor at Location 17 - Deg1 The Site and Facility Inspection by Contractor at Location 17 - Deg1 The Site and Facility Inspection by Contractor at Location 17 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 17 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 17 - Deg2 The Site and Facility Inspection by Contractor at Location 18 - Deg1 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 The Site and Facility Inspection by Contractor at Location 18 - Deg1 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 The Site and Facility Inspection with Interface Contractor at L	7 7 7 7 7 7 7 7 7 7 7	Start 22-Nov-16* 29-Nov-16 17-Nov-16* 24-Nov-16* 31-Jan-17* 07-Feb-17 24-May-17* 31-May-17	Finish 28-Nov-16 05-Dec-16 23-Nov-16 30-Nov-16 06-Feb-17 13-Feb-17 30-May-17	Total Float 161 161 145 145 77	20 Q2	015 Q3	3 Q	4 Q	21	2010 Q2	6 Q3		Q1 Pre Site a	Q2 and Fac	cility Insp acility In	pection		Q1 ontract	Q2 or at Loo		16 - Deg2	Q1	2019 Q2
 A5370 Joir A5375 Pre A5378 Joir A5380 Pre A5390 Joir A5395 Pre A5396 Joir A5400 Pre A5410 Joir A5420 Pre A5430 Joir 	Int Site and Facility Inspection with Interface Contractor at Location 16 - Deg2 e Site and Facility Inspection by Contractor at Location 17 - Deg1 int Site and Facility Inspection with Interface Contractor at Location 17 - Deg1 e Site and Facility Inspection by Contractor at Location 17 - Deg2 int Site and Facility Inspection with Interface Contractor at Location 17 - Deg2 e Site and Facility Inspection with Interface Contractor at Location 17 - Deg2 e Site and Facility Inspection by Contractor at Location 18 - Deg1 int Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 e Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 e Site and Facility Inspection by Contractor at Location 18 - Deg2 int Site and Facility Inspection by Contractor at Location 18 - Deg2 int Site and Facility Inspection with Interface Contractor at Location 18 - Deg2 int Site and Facility Inspection with Interface Contractor at Location 18 - Deg2	7 7 7 7 7 7 7 7 7 7 7 7 7	29-Nov-16 17-Nov-16* 24-Nov-16* 31-Jan-17* 07-Feb-17 24-May-17*	05-Dec-16 23-Nov-16 30-Nov-16 06-Feb-17 13-Feb-17	161 161 145 145	Q2	Q3	3 Q4	4 Q	21	Q2	Q3	D F		and Fac	cility Insp acility In	pection	n by Co		or at Loo	ation	16 - Deg2		Qź
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A5390 Joir A5395 Pre A5396 Joir A5396 Joir A5400 Pre A5410 Joir A5420 Pre A5430 Joir	nt Site and Facility Inspection with Interface Contractor at Location 17 - Deg2 e Site and Facility Inspection by Contractor at Location 18 - Deg1 nt Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 e Site and Facility Inspection by Contractor at Location 18 - Deg2 nt Site and Facility Inspection with Interface Contractor at Location 18 - Deg2	7 7 7 7 7	07-Feb-17 24-May-17*	13-Feb-17	77								q .	oint Site	and Fa	acility In	spectic	on with	Interfa	ice Cont	tractor	at Location	17 - Deg	.g1
A5395 Pre A5396 Joir A5400 Pre A5410 Joir A5410 Joir A5420 Pre A5430 Joir	e Site and Facility Inspection by Contractor at Location 18 - Deg1 nt Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 e Site and Facility Inspection by Contractor at Location 18 - Deg2 nt Site and Facility Inspection with Interface Contractor at Location 18 - Deg2	7 7 7	24-May-17*											🛛 Pre	e Site a	and Faci	ility Ins	pection	ı by C	ontracto	rat Ļo	cation 17 -	Deg2	
A5396 Joir A5400 Pre A5410 Joir A5410 Joir A5420 Pre A5430 Joir	nt Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 e Site and Facility Inspection by Contractor at Location 18 - Deg2 nt Site and Facility Inspection with Interface Contractor at Location 18 - Deg2	7	-	20 May 17	77		11							🛛 Jo	int Site	and Fa	acility li	nspecti	on with	Interfa	ce Cor	ntractor at L	ocation 1	17 - D
A5400 Pre A5410 Joir A5420 Pre A5430 Joir	e Site and Facility Inspection by Contractor at Location 18 - Deg2 nt Site and Facility Inspection with Interface Contractor at Location 18 - Deg2	7	31-May-17	30-111ay-17	7										l I	Pre Sit	te and	Facility	/ Inspe	ction by	Contra	actor at Loc	ation 18	- Deg
A5410 Joir A5420 Pre A5430 Joir	nt Site and Facility Inspection with Interface Contractor at Location 18 - Deg2			06-Jun-17	7		1 1 - 1								0	Joint S	Site ar	id Faci	lity Ins	bection v	vith lint	erface Con	tractorat	it Loca
A5420 Pre A5430 Joir			31-May-17*	06-Jun-17	7											Pre S	ite and	d Facilit	y Insp	ection by	/ Cont	ractor at Lo	cation 18	3 - De
A5430 Joir	Cite and Equility Inspection by Contractor at Leastics 40. Dead	7	07-Jun-17	13-Jun-17	7										1	Joint	Site a	hd Fac	ility Ins	pection	with In	terface Cor	ntractor a	atLoc
A5430 Joir	e Site and Facility Inspection by Contractor at Location 19 - Deg1	7	31-Jan-17*	06-Feb-17	0									Pre	e Site a	and Faci	ility Ins	spectior	ı by C	ontracto	r at Lo	cation 19 -	Deq1	
	nt Site and Facility Inspection with Interface Contractor at Location 19 - Deg1		07-Feb-17	13-Feb-17	0										1 1 1		1 1 1	<u>(</u>)		1 1 1	1.1	ntractor at L		19 - D
	e Site and Facility Inspection by Contractor at Location 19 - Deg2		31-Jan-17*	06-Feb-17	35										+	+						cation 19 -	·	
	nt Site and Facility Inspection with Interface Contractor at Location 19 - Deg2		07-Feb-17	13-Feb-17	35										: : :		1 1 1	£ 3 3	1.1	1 1 1	1.1	ntractor at L		19 ₋ Г
	e Site and Facility Inspection by Contractor at Inbound Vehicle Clearance Plaza		31-Jan-17*	06-Feb-17	0										1 1 1		1 1 1	1 1 1	1 1	1 1 1	1 1	oound Vehic	1 1 1	
	nt Site and Facility Inspection with Interface Contractor at Inbound Vehicle		07-Feb-17	13-Feb-17	0										1 1 1		1 1 1	f 1 1	11	1 1 1	1 1		1 1 1	11
Cle	earance Plaza				0										: : :							ntractor at l		
	e Site and Facility Inspection by Contractor at Outbound Vehicle Clearance Plaza		03-Mar-17*	09-Mar-17	1										i					. j j j.		Outbound '		- 4 4.
	nt Site and Facility Inspection with Interface Contractor at Outbound Vehicle earance Plaza		10-Mar-17	16-Mar-17	1									٥							rface (Contractor a	at Outbou	und V
Access Dates		410	10-May-16	24-Jun-17	586											🔻 24-J	Jun-17	, Acces	s Date	Ş				
A1070 Loc	cation 1(PCB (001) Basement)-Deg1 (270d)	0	10-May-16*		154							ation 1(PCB (00	1) Basen	nent)-E	Deg1 (2	70d),	10-May	/-16*					
A1081 Loc	cation 1(PCB (001) ELV Room (Grid Line E3))-Deg1 (270d)	0	10-May-16*		154		11				♦ Loca	ation 1(PCB (00	1) ELV R	koom (Grid Line	ie E3))	-Deg1	(270d	, 10-Ma	ıv-16'*			
	cation 2(PCB (001) First Floor Main Server Room)-Deg1 (330d)		09-Jul-16*		94						i i i		ion 2(PC		i i i		1 1 1			i i i		-Jul-16*		
	cation 2(PCB (001) First Floor Main Server Room)-Deg2 (380d)		28-Aug-16*		122		÷								1		لا د بالا د با				- 61 - 6 -	l), 28-Aug-1	6*	
	cation 2(PCB (001) First Floor Main Server Room) - For Server Installation		28-Aug-16*		122										1 1 1		1 1 1	1 I I		i 1 1	1 1	Installation	1 I I	
	cation 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) - Deg1 (330d)		09-Jul-16*		94												1 1 1		1 1	1 1 1		(330d), 09		,
	cation 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line		09-Jul-16*		94						i i i	- i - i -	i i Ni	i i i í	i i i	- i i i	i i i	i i N	- i - i -	i 171	Ĩ	Grid Line BD	i i i	ן ¦ מ'1 (מ
BD	5)) - Dèg1 (330d)										·													
BD	cation 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line (5)) - Deg2 (380d)		28-Aug-16*		133									`	ļ. ļ. ļ.					ļ. ļ. ļ.		om (Grid Lir		-'De
	cation 3(Inbd Cargo Exam Bldg (037) MDF Room)-Deg1 (400d)		17-Sep-16*		87							- i - i -	i i i -		: : • :		: ~ ` :	i i i	- i - i -	1 11 15		0d), 17-Sep		
	cation 3(Inbd Cargo Exam Bldg (037) ELV Room)-Deg1 (400d)		17-Sep-16*		87												1 7 1		1 1	111		d), 17-Sep-	1 1 1	
	cation 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg1 (400d)		17-Sep-16*		115							•	Locatio	L É L L			1 1 1			1 1 1)-Deg1 (40	1 1 1	1.1
	cation 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg2 (500d)		14-Feb-17*		0															1 1 1	- i - i -	Control Roo		
128	cation 3(Inbd Cargo Exam Bldg (037) Inspector Offices 8,129,130,131,128,129,140,141)-Deg1 (400d)		17-Sep-16*		115			ļ				•	Locatio		1]				29,130,131		
128	cation 3(Inbd Cargo Exam Bldg (037) Inspector Offices 8,129,130,131,128,129,140,141)-Deg2 (500d)		14-Feb-17*		0										: : :							Offices 128),131
	cation 3a(Inbd Cargo Exam Bldg ROCARS Room)-Deg1 (-)		17-Sep-16*		115							•			1 1 7				1 1			17-Sep-16*	1 1 1	
	cation 3a(Inbd Cargo Exam Bldg ROCARS Room)-Deg2 (480d)		06-Dec-16*		70										1 1 1					1 1 1	1.1	g2 (480d),		16* ¦
	cation 3a(Inbd Cargo Exam Bldg Main Server Room)-Deg1 (-)		17-Sep-16*		115							•			1 1 7		1 1 1				10 11), 17-Sep-1		
	cation 3a(Inbd Cargo Exam Bldg Main Server Room)-Deg2 (480d)	0	06-Dec-16*		119									Location	3a(Inb	od Cargo	o Exar	n Bldg	Main S	erver R	oom)-	Deg2 (4800	l), 06-De	ec-16
🔲 A1142 Loc	cation 3a(Inbd Cargo Exam Bldg Main Server Room) - For Server installation	0	06-Dec-16*		119								•	Location	3a(Inb	od Cargo	o Exar	n Bldg	Main S	erver R	oom)	- For Serve	r installat	tion,
😑 A1150 Loc	cation 4(Outbd Cargo Exam Bldg (023))-Deg1 (530d)	0	25-Jan-17*		20									♦ Loca	ation 4((Outbd 0	Cargo	Exam	Bldg ()23))-De	eg1 (5	30d), 25-Ja	n-17*	
🔲 A1160 Loc	cation 4(Outbd Cargo Exam Bldg (023))-Deg2 (680d)	0	24-Jun-17*		586											♦ Loca	ation 4	(Outbd	Carg	Exam	Bldg (0	023))-Deg2	(680d), 2	24-Ji
😑 A1161 Loc	cation 4a(Outbd Cargo Exam Bldg (023))-Deg1 (-)	0	25-Jan-17*		41									♦ Loca	ation 4a	a(Outbd	l Carg	o Exan	n Bldg	(023))-E	Deg1 (-), 25-Jan-1	7*	

Data Date: 14-Aug-15

- Actual Work Remaining Work
- Critical Remaining Work
- Milestone
- summary



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ame	Original Duration	Start	Finish	Total Float		015				2016				2017	2018		2019
		05 Marc 17*			Q2	Q3	Q4	Q1	1	Q2	Q3	Q4	Q1	Q2 Q3 Q4	Q1 Q2 Q3		Q1 Q
4a(Outbd Cargo Exam Bldg (023))-Deg2 (630d)		05-May-17*		0 76										_ # #	Cargo Exam Bldg (023))-D), 05-May-
5(Common Utility Enclosure & Staff Subway)-Deg1 (320d)		29-Jun-16* 16-Nov-16*													way)-Deg1 (320d), 29-Jun		1/2*
5(Common Utility Enclosure & Staff Subway)-Deg2 (-)				121							1 1 1				e & Staff Subway)-Deg2 (-	ſ <u>ŀ ŀ</u> ŀ	
6(Common Utility Enclosure & Staff Subway)-Deg1 (400d)		17-Sep-16*		59							i i i	iiii	1		taff Subway)-Deg1 (400d),		
6(Common Utility Enclosure & Staff Subway)-Deg2 (-)	-	06-Nov-16*		131								: : :			& Staff Subway)-Deg2 (-)		0
7(Common Utility Enclosure & Staff Subway)-Deg1 (270d)		10-May-16*		126							i . îi	i i)-Deg1 (270d), 10-May-16*		
8(Inbd Private Car Annex (025))-Deg1 (430d)		17-Oct-16*		128							•	Loca	tion 8(II		5))-Deg1 (430d), 17-Oct-1		
8(Inbd Private Car Annex (025))-Deg2 (580d)		16-May-17*		0											ivate Car Annex (025))-De		
8(Inbd Private Car Annex (025) Canopy)-Deg1 (430d)		17-Oct-16*		128							•	Loca	tion 8(II		5) Canopy)-Deg1 (430d), 1	i i i i	
8(Inbd Private Car Annex (025) Canopy)-Deg2 (580d)		16-May-17*		625											ivate Car Anhex (025) Can		
9(Outbd Private Car Annex (032))-Deg1 (520d)	0	15-Jan-17*		64					ļ., ļ.,				♦ Loc	_ # # L L	Annex (032))-Deg1 (520d)		
9(Outbd Private Car Annex (032))-Deg2 (660d)	0	04-Jun-17*		0											l Private Çar Annex (032))-		
9(Outbd Private Car Annex (032) Canopy)-Deg1 (520d)	0	15-Jan-17*		64									♦ Loc	ation 9(Outbd Private Car	Annex (032) Canopy)-Deg	1 (520d), 1	5-Jan-17
9(Outbd Private Car Annex (032) Canopy)-Deg2 (660d)	0	04-Jun-17*		606										Location 9(Outbo Location 9)	l Private Car Annex (032) (Canopy)-De	eg2 (660¢
10(Shuttle Bus Kiosks (006))-Deg1 (480d)	0	06-Dec-16*		30								•	Locatio	n 10(Shuttle Bus Kiosks (0	06))-Deg1 (480d), 06-Dec	-16*	
10(Shuttle Bus Kiosks (006))-Deg2 (550d)	0	14-Feb-17*		40									♦L	ocation 10(Shuttle Bus Kic	osks (006))-Deg2 (550d), 1	4-Feb-17*	
10(Shuttle Bus Kiosks (006) Canopy)-Deg1 (480d)	0	06-Dec-16*		70								•	Locatio	n 10 (Shuttle Bus Kiosks (0	06) Canopy)-Deg1 (480d),	06-Dec-16	3*
10(Shuttle Bus Kiosks (006) Canopy)-Deg2 (550d)	0	14-Feb-17*		716									♦L	ocation 10(Shuttle Bus Kid	osks (006) Canopy)-Deg2 (550d), 14-I	Feb-17*
11(Outbd Coach Kiosks (009))-Deg1 (400d)	0	17-Sep-16*		190							♦ Lo	catior	n 11(Qu	tbd Coach Kiosks (009))-D	Deg1 (400d), 17-Sep-16*		
11(Outbd Coach Kiosks (009))-Deg2 (480d)	0	06-Dec-16*		140								•	Locatio	n 11(Outbd Coach Kiosks ((009))-Deg2 (480d), 06-De	c-16*	
11(Outbd Coach Kiosks (009) Canopy)-Deg1 (400d)	0	17-Sep-16*		190							♦ Lo	catior	n 11(Ou	tbd Coach Kiosks (009) C	anopy)-Deg1 (400d), 17-Se	ep-16*	
11(Outbd Coach Kiosks (009) Canopy)-Deg2 (480d)	0	06-Dec-16*		786								•	Locatio	n 11 (Outbd Coach Kiosks ((009) Canopy)-Deg2 (480d), 06-Dec-	16*
11(Inbd Coach Kiosks (010))-Deg1 (400d)	0	17-Sep-16*		70							♦ Lo	: : :		d Coach Kiosks (010))-De			
11(Inbd Coach Kiosks (010))-Deg2 (480d)	0	06-Dec-16*		198		11									10))-Deg2 (480d), 06-Dec-	16*	
11(Inbd Coach Kiosks (010) Canopy)-Deg1 (400d)		17-Sep-16*		220							♦ La		i i		nopy)-Deg1 (400d), 17-Sep	i i i i	
11(Inbd Coach Kiosks (010) Canopy)-Deg2 (480d)		06-Dec-16*		786		11						: : :			10) Canopy)-Deg2 (480d)		6*
12(Inbd Private Car Kiosks(027))-Deg1 (400d)		17-Sep-16*		24									!! -	- + + +)-Deg1 (400d), 17-Sep-16	4 4 1	
12(Inbd Private Car Kiosks(027))-Deg2 (480d)		06-Dec-16*		33								: : :			ks(027))-Deg2 (480d), 06-		
12(Inbd Private Car Kiosks(027) Canopy)-Deg1 (400d)		17-Sep-16*		24											Canopy)-Deg1 (400d), 17		
12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (400d)		06-Dec-16*		786									1 1		ks(027) Canopy)-Deg2 (48		ob 16*
12(Inbd GV Kiosks (028))-Deg1 (400d)		17-Sep-16*		700											- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	100), 00-De	- IO
		•		70								+		d GV Kiosks (028))-Deg1		 LLLL * ' ' '	
12(Inbd GV Kiosks (028))-Deg2 (480d)		06-Dec-16*		78)-Deg2 (480d), 06-Dec-16		
12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d)		17-Sep-16*		0								: : :			y)-Deg1 (400d), 17-Sep-16		
12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d)		06-Dec-16*		786											Canopy)-Deg2 (480d), 06	-Dec-16*	
12(Outbd GV Kiosks (029))-Deg1 (400d)		17-Sep-16*		48							♦ Lo	: : :		itbd GV Kiosks (029))-Deg			
12(Outbd GV Kiosks (029))-Deg2 (480d)		06-Dec-16*		33											9))-Deg2 (480d), 06-Dec-1	L L I J	
12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d)		17-Sep-16*		48							◆ Lo	i i i	i i		opy)-Deg1 (400d), 17-Sep-		
12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d)	0	06-Dec-16*		786											9) Canopy)-Deg2 (480d), 0		
13(Outbd Private Car Kiosks (030))-Deg1 (480d)		06-Dec-16*		0									Locatio	n 13(Outbd Private Car Ki	osks (030))-Deg1 (480d), 0	6-Dec-16*	
13(Outbd Private Car Kiosks (030))-Deg2 (550d)	0	14-Feb-17		0											Car Kiosks (030))-Deg2 (5		
13(Outbd Private Car Kiosks (030) Canopy)-Deg1 (480d)	0	06-Dec-16*		0			· · · · ·						Locatio	n 13(Outbd Private Car Ki	osks (030) Canopy)-Deg1 (480d), 06-	Dec-16*
13(Outbd Private Car Kiosks (030) Canopy)-Deg2 (550d)	0	14-Feb-17*		716									♦L	ocation 13(Outbd Private	Car Kiosks (030) Canopy)-l	Deg2 (5500	d), 14-Fe
14(Future-Outbd/Inbd Private Car Kiosks)-Deg1 (610d)	0	15-Apr-17*		68										◆ Location 14(Future+C	outbd/Inbd Private Car Kios	ks)-Deg1 (6	610d), 15
15(Inbd Traffic Control Kiosk (100))-Deg1 (400d)	0	17-Sep-16*		206							♦ Lo	catior	n 15(Int	d Traffic Control Kiosk (10	00))-Deg1 (400d), 17-Sep-	16*	
15(Inbd Traffic Control Kiosk (100))-Deg2 (480d)	0	06-Dec-16*		140								•	Locatio	n 15(Inbd Traffic Control K	iosk (100))-Deg2 (480d), 0	6-Dec-16*	
14(Future-Outbd/Inbo 15(Inbd Traffic Contro	d Private Car Kiosks)-Deg1 (610d) ol Kiosk (100))-Deg1 (400d) ol Kiosk (100))-Deg2 (480d)	d Private Car Kiosks)-Deg1 (610d) 0 ol Kiosk (100))-Deg1 (400d) 0 ol Kiosk (100))-Deg2 (480d) 0	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16*	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16*	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 DI Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 DI Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 DI Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 DI Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 Dl Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 Dl Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140 ↓ Location 15(1ht ↓ Location 15(1ht)	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 DI Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 DI Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140 → Location 15(Inbd Traffic Control Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 ol Kiosk (100))-Deg2 (480d) 0 06-Dec-16* 140	d Private Car Kiosks)-Deg1 (610d) 0 15-Apr-17* 68 ol Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206

- Actual Work
- Remaining Work
- Critical Remaining Work Milestone
- summary



ontract No.: HY	/2013/00			Detail Wo	JIN I TOYIC							1										i uų	ge 5 c
vity ID	Activity Name		Start	Finish	Total	2	2015				20	016				2017				2018			2019
					.L	Q2	C	23	Q4	Q1	Q2	Q3	Q4	Q1		_	_	_	_			Q1	
A1390	Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d)				227													6 1	- LTÌ				
		-																	1 1 1				
A1410	Location 17(Inbd Private Car Exam Bldg(033))-Deg1 (-)	-			145								•										
A1420	Location 17(Inbd Private Car Exam Bldg(033))-Deg2 (550d)	-			77									•			1 I I I	1 1 1	1 1 1	1 1 1	- i i i		1 1 1
🔲 A1430	Location 18(Outbd Private Car Exam Bldg(024))-Deg1 (-)	0	14-Jun-17*		0		11									Locat	tion 18(C	Outbd Pri	vate Ca	ır Exam	Bldg(024))	-Deg1 (-	-), 14-
🔲 A1440	Location 18(Outbd Private Car Exam Bldg(024))-Deg2 (670d)	0	14-Jun-17*		7											Local	tion 18(C	butbd Pri	vate Ca	ır Exam	Bldg(024))	-Deg2 (6	670d),
😑 A1450	Location 19(DOH Cargo Clearance Bldg(043))-Deg1 (-)	0	14-Feb-17*		0										Location	19(DOI	H Cargo	Clearan	¢e Bldg((043))-[Deģ1 (-), 14	-Feb-17	7*
🔲 A1460	Location 19(DOH Cargo Clearance Bldg(043))-Deg2 (550d)	0	14-Feb-17*		35									•	Location	19(DOI	H Cargo	Clearan	ce Bldg((043))-[Deg2 (550d), 14-Fel	b-17*
😑 A1461	Autor Latache (Lutati ratic Cution Kang (119) Logi (100) 0 0 / space 1 / space																						
😑 A1462	Upper Use the Victor Analysis (Vistor) Analysis (Vistor) Image: Vistor Analysis (Vistor) Analysis (Vistor) Image: Vistor Analysis (Vistor) Analysis (Vistor) Image: Vistor Analysis (Vistor)																						
🔲 A1463	Accord Control (Note) Product (Note) Cong (4000), (100)																						
				ice Pla																			
A1465	Attach Control 400 mm 2																						
💼 A1466		0	13-Aug-16*		145							•	Undergro	und Du	icting bet	ween Cl	JE and Ir	nbd P. Ca	ar Anne	x (025)	and Shuttle	; Bus Kio	osks (0
🔲 A1467	Under Proview																						
🔲 A1468	Underground Ducting between CUE and Outbd PCA(032)	0	13-Aug-16*		219								Undergro	und Du	icting bet	ween Cl	UE and C	Outbd PC	JA (032)), 13-Au	ıg-16*		
🛑 A1478	Inbound Vehicle Clearance Plaza (Assume same as Location 3)	0	14-Feb-17*		0										Inbound	Vehicle	Clearanc	ce Plaza	(Assum	ie same	as Locatio	יז 3), 1¦4-	Feb-1
🔲 A1488	Outbound Vehicle Clearance Plaza (Assume same as Location 4 degree 1 + 51 day:	0	17-Mar-17*		1										 Outb 	ound Vel	hicle Clea	arance P	laza (A	ssiume s	ame as Lo	ation 4 d	degree
Interface	es Provisions	31	14-Feb-17	17-Mar-17	36										T 17-M	lar+17, In	iterfaces	Provisio	ns				
	Inbound VID foundation and mounting structure (assume same as Access date of	0	14-Feb-17*		0									•	Inbound	VID fou	ndation a	and mou	inting str	ructure	(assume sa	me as Ai	vccess
🛑 A7010	Inbound VTS foundation and mounting poles (assume same as Access date of	0	14-Feb-17*		16									•	Inbound	VTS fou	undation	and mou	unting p	oles (as	sume same	as Acce	ess dat
💼 A7020		0	14-Feb-17*		24		·							•	Inbound	TLS fou	Indation	and mou	inting pr	oles (as	sume same	as Acce	ss dat
🛑 A7030		0	17-Mar-17		1										 Outb 	ound VIE) foundat	tion and	mountir	ng struc	ture (assun	ie same	as Ac
	Description 0 14 Jun 17 0 Social Workster Privace Car Earn Badge(201) Opt (1) 0 14 Jun 17 0 Social Workster Privace Car Earn Badge(201) Opt (1) 0 14 Feb 17 0 Social Workster Privace Car Earn Badge(201) Opt (1) 0 14 Feb 17 0 Social Workster Privace Car Earn Badge(201) Opt (1) 0 14 Feb 17 0 Social Workster Privace Car Earn Badge(201) Opt (1) 0 14 Feb 17 0 Social Workster Privace Car Earn Badge(201) Opt (2) Social S																						
	Checken big (0.43) and LOU Constrained big (0.43) and the Value (0.43) and																						
ng WA4 Site	e Erection & Servicing	92	14-Aug-15	14-Nov-15	1174				14-	Nov-15	, WA4 S	site Ere	ction & Se	rvicing									
🛑 A1740	Possession of Site	0	14-Aug-15*		1230			Poss	ession	of Site,	14-Aug-	15*											
🔲 A1750	Method Statement & Drawing	42	14-Aug-15	24-Sep-15	1224			i N	Method	Statem	ent & Dr	awing											
🔲 A1760	Place Order to prepare materials	31	14-Aug-15	13-Sep-15	1230			🗖 Pl	lace Or	der to p	repare n	naterial	s										
🔲 A1770	Review, revise and approve method statement	14	25-Sep-15*	08-Oct-15	1209			i 🗖	Review	v, revise	and app	prove n	ethod sta	itement									
🔲 A1780	Equipment mobilization and construction material delivered to the site	1	25-Oct-15*	25-Oct-15	1193		11	111	l: Équip	omenit n	obilizati	on and	construct	on mat	erial deli	vered to	the site						
🔲 A1790	Set up the alignment and level of the u-channel	1	14-Sep-15	14-Sep-15	1234		***	I S	et up th	e alignr	nent and	level c	f the u-ch	annel		+							
	Trial pit excavation		-	-				Т	rial pit e	excavati	on l												
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																Sunacel	wy wackni	ve					
A4580		1	UZ-INOV-15°	02-INOV-15	1185				, set		anynmer	il atio		= u-chai	i i i i i i i i i i i i i i i i i i i				<u> </u>				
-	-15 Actual Work		Hon	g Kong Bo	oundary	Cros	sing						_							sion			
								SS)	6	_	1	F		4	L								



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ity ID		Activity Name	Original Duration	Start	Finish	Total Float		015		01		2016				2017	20	04	01		2018			201
	- 44500	Installation of foncing post along the site houndary		02 Nov 15*	04-Nov-15		Q2	Q3	Q4				Q3 Q4				23	Q4	Q1	Q2	Q3	Q4	Q1	_
_	A4590	Installation of fencing post along the site boundary Excavation for underground drainage pipe		02-Nov-15* 04-Nov-15*	04-Nov-15	1183 1183				Installation Excavation	1.1.1													
_	A4000	Evenly spread the asphalt scrap material by backhoe		05-Nov-15*	07-Nov-15	1180		····		Evenly spr		· - ¦ ¦	- + +											
_	A4610	Cast concrete for the u-channel and underground drainage pipe		05-Nov-15*	07-Nov-15	1182				Cast concr	1.1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					ning							
_	A4620	Remove the u-channel framework		05-Nov-15 06-Nov-15*	06-Nov-15	1181			- i i i	Remove th	i i	i i i		i i i	ground at	anag	e pipe							
						1180								: : :	ite heund									
_	A4640	Installation of chain-link fencing along the site boundary		06-Nov-15*	07-Nov-15					Installation				ng ine s		ary								
_	A4650	Installation of access doors		07-Nov-15*	07-Nov-15	1180																		
_	A4660	Excavation for drainage ditch		06-Nov-15*	09-Nov-15	1010				Excavation														
_	A4670	Cast concrete for the drainage ditch		10-Nov-15*	10-Nov-15	1177				Cast conci	- i - i													
_	A4680	Compact the asphalt scrap material		09-Nov-15*	10-Nov-15	1177				Compact t		11 I I	ap materia											
	A4690	Land surveying		11-Nov-15*	11-Nov-15	1174				Landsurv	, , , , , , , , , , , , , , , , , , ,													
_	A4700	Inspection of chain-link fencing and access doors		12-Nov-15*	12-Nov-15	1174				Inspection			encing and	acces	doors	+								
_	A4710	Testing of drains		13-Nov-15*	13-Nov-15	1174				Testing of	1.1	1 1 1												
_	A4720	Completion of the works		14-Nov-15		1174				Completio	on of th	i i i		i i i						; ; ;				
1	Detailed I	Design Specification	365	14-Aug-15	12-Aug-16	0							12-Aug-	16, Det	ailed Desi	gn Spe	ecificatio	n i						
	A1808	Preliminary System Proposal Submission	28	14-Aug-15	10-Sep-15	0			Prelin	ninary Syst	tem Pr	roposal	Submissior	h						; ; ;				
	A1809	Engineer's agreement with preliminary system proposal	45	11-Sep-15	25-Oct-15	0			E	ngineer's a	agreer	ment wit	h prelimina	ary syste	m propos	al								
	A1810	Draft Detailed Design Specification (DDS) Submission	48	26-Oct-15	12-Dec-15	0				Draft D	Detaile	d Desigr	n Specificat	tion (DE	S) Subm	ission								
	A1814	Draft Hardware Function Design Specification for Computer system and Network system (HFD)	48	26-Oct-15	12-Dec-15	0			-	Draft H	Hardwa	are Fun	tion Desig	n Spec	fication fo	r Com	puter sy	stem ar	nd Netw	vork s	ystem (H	FD)		
	A1815	Draft Software Function Design Specification for Computer system and Network system (SFD)	48	26-Oct-15	12-Dec-15	0				Draft S	Softwa	ire Func	ion Design	Specif	cation for	Comp	uter sys	tem an	d Netwo	ork sys	stem (SF	D)		
	A1820	Engineer's Review and Approval for Draft Detailed Design Specification (DDS)	60	13-Dec-15*	10-Feb-16	0				E	Engine	er's Rev	ew and Ap	proval	or Draft D	Detaile	d Desigr	h Specif	fication ((DDS))			
-	A1823	Engineer's Review and Approval for Draft Hardware FDS for Computer system and Network system (HFD)	60	13-Dec-15*	10-Feb-16	0				E	Engine	er's Rev	ew and Ap	proval	or Draft H	lardwa	are FDS	for Co	mputer	syster	m and N	etwork sy	stem (H	FD
9	A1824	Engineer's Review and Approval for Draft Software FDS for Computer system and Network system (SFD)	60	13-Dec-15*	10-Feb-16	0							ew and Ap										em (SF	D)
	A1829	Interface Requirements for CED (LBS, CED IT Server, Metro-Ethernet) and IMMD (AVCS)		01-Feb-16*	29-Feb-16	0							uirements							≱t) and	IMMD	(AVCS)		
_	A1830	Final DDS Submission (AVCSS,VTS,VIDS)(Phase 1/Section I)		01-Mar-16	30-Mar-16	0							Submissio			IDS)(F	hase 1/	Section	11)					
_	A1831	Development of System Security Plan		11-Feb-16	30-Mar-16	0					1 1		ent of Syste											
	A1840	Engineer's Review and Approval for Final DDS Submission including System Security Plan (AVCSS)(Phase 1/Section I)		31-Mar-16	29-Apr-16	0							r's Review							ding S	ystem S	curity Pla	n (AVC	3S
	A1850	Final DDS Submission (AVCSS)(Phase 2/Section II&III)	60	30-Apr-16	28-Jun-16	0						- I I I	n al DDS S			iîî i	1 I I	1 I I						
	A1860	Engineer's Review and Approval for DDS Submission (AVCSS)(Phase 2/Section II&III)	45	29-Jun-16*	12-Aug-16	0							Enginee	r's Revi	ew and Ap	prova	l for DD	S Subn	nişsion ((AVCS	S)(Pha	e 2/Section	n II&III)	
•	Contructi	ion Design and Management	60	07-May-16	05-Jul-16	52						0	5-Jul-16, C	Contruct	ion Desigr	h and I	Manage	ment						
_	A6920	Construction Health and Safety Plan Submission	30	07-May-16*	05-Jun-16	52						📥 Con	struction H	lealth a	d Safety	Plan \$	ubmissio	on		; ; ;				
_	A6930	Construction Health and Safety Plan reviewed by Engineer		06-Jun-16	05-Jul-16	52							onstruction						Enginee	rr				
_		lanufacture Mock-up items		30-Apr-16	20-Jul-16	51		<u></u>			·····	والا والا و والو و	20-Jul-16,		3 2			3						
_	A4749			30-Apr-16	06-Jul-16	51									1 1 1 1									
_	A4749	Preparation of Kiosk equipment Mock-up Installation of Kiosk equipment Mock-up		07-Jul-16	20-Jul-16	51							reparation Installation							; ; ;				
_						51											1.1							
	Supply/M	lanufacture prototypes		30-Apr-16	28-Jun-16	U							3-Jun-16, S							; ; ;				
	A2900	Manufacture LED Display Prototype (VID, ODB and XDB)		30-Apr-16	28-Jun-16	0							anufacture	+ +		++			J XDB)					
	A2910	Manufacture All-In-One Panel Prototype (AIOP)		30-Apr-16	28-Jun-16	0						M	anufacture	All-In-C	he Pahel	Proto	ype (Al	OP)						
	Software	Design, Coding and Testing	407	11-Apr-16	22-May-17	0									V	22-N	ay-17, S	Softwar	e Desig	jn, Cor	ding and	Testing		
	NI- 11																	Date	F	Revisio	on	Checked		Арр
-	nme No.: HZ			-	g Kong-Zhu			-									14-No		Rev.:		W		LC	
a Da	ate: 14-Aug-				ng Kong Bo			•				-	_	-	-								.	
		Remaining Work		Fa	cilities - Au	tomatic	Vehic	le		\Box	2	A	T	A										
		Critical Remaining Work		Cleara	nce Suppo	rt Syste	em (A۱	/CSS	5) 🛛			4												
		♦ Milestone				-											1							

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					1.000	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
E Coding		270	11-Apr-16	05-Jan-17	0					V			🔻 05-Ja	an-17, C	Coding
💼 A5460	CCS, SURCON, SYSCON, CDBS Development Stage 1	70	11-Apr-16*	19-Jun-16	0						CCS,	SURCON	I, SYSCO	ЭN, CDI	BS De
🔲 A5500	VTS Development Stage 1	70	11-Apr-16*	19-Jun-16	0							Developme	ent Stage	a1	
🛑 A5510	VIDS Development Stage 1	64	11-Apr-16*	13-Jun-16	15)evelopm	ent Stage	a 1	
🔲 A5540	CCS, SURCON, SYSCON, CDBS Development Stage 2		20-Jul-16	05-Jan-17	0								CCS,	SURCO	ON, S
🔲 A5580	VTS Development Stage 2	170	20-Jul-16	05-Jan-17	0								📕 VTSI	Develop	oment
🔲 A5590	VIDS Development Stage 2	162	28-Jul-16	05-Jan-17	0						-		VIDS	Develo	
	System Inetgration		30-Apr-16	22-May-17	0								· · ·		
A5520	Test Plan Documentation Submission		30-Apr-16	22-Dec-16	0								i i i	lạn Đoợ	i i
A5530	Engineer's Review and Approval for Test Plan Documentation Submission		23-Dec-16	05-Jan-17	0								Engin		
A5600	Software System Integration Test		06-Jan-17	19-Feb-17	0								S	Software	
— A5630	CCS/SYSCON/SURCON/CDBS/VTS/VIDS Software Enhancement		20-Feb-17	10-Apr-17	0										S/SYS
a A5640	Software User Acceptance Test (UAT)		11-Apr-17	22-May-17	0			·						+	Softw
Prototype	& Software Simulation Tests	133	30-Apr-16	09-Sep-16	0						ľ	09-Sep-	-16, Prote	otype &	، Softw
a1910	Prototype Test Document		30-Apr-16	29-May-16	6						Prototyp				
a2130	Engineer's Approval for Testing Document	15	30-May-16	13-Jun-16	6						Engine	1 1 1	i i i		- i i
💼 A2920	CCWS with CDBS, SURCON and SYSCON (Software Simulation/ Software Integration Test)	30	20-Jun-16	19-Jul-16	0							WS with (
A2930	Vehicle Tracking System (VTS) (Software Simulation/ Software Integration Test)	30	20-Jun-16	19-Jul-16	0				· · · · ·		📕 Ver	ni¢le Track	king Syste	em (VT	S) (Sc
a A2950	LED Displays (VID, ODB and XDB)	29	29-Jun-16*	27-Jul-16	0						📕 LE	D Display	∕\$ (VID, C	DDB ah	d XDE
🔲 A2960	All-In-One Panel (AIOP)	29	29-Jun-16*	27-Jul-16	0						📕 All	-In-One P	anel (Alc	ЭP)	
a3020	Prototype Testing Report Submission	30	28-Jul-16	26-Aug-16	0							Prototype			- i i
🛑 A4350	Engineer's Approval for Prototype Testing Report	14	27-Aug-16	09-Sep-16	0						•	Enginee	1 1 1		
Procurem	ent - Phase 1 / Section I	242	30-Apr-16	27-Dec-16	0								🕈 27-De	¢-16, Pr	rocure
🔲 A3070	Procurement of Equipment for Phase 1/Section I	242	30-Apr-16	27-Dec-16	0								Procur	rement	of Equ
🔲 A3080	Procurement of Cable and Accessories for Phase 1 /Section I	122	30-Apr-16	29-Aug-16	0							Procuren	ment of C	able ar	nd Acc
🔲 A3990	Procurement of All Servers and Workstations	242	30-Apr-16	27-Dec-16	0								Procur	rement	of All S
Supply/Ma	anufacture products for FAT	62	10-Sep-16	10-Nov-16	0						•	10)-Nov-16	, Supply	y/Man
A2980	Supply/Manufacture LED Display (ODB, VID and XDB) for FAT	54	10-Sep-16	02-Nov-16	0							Su	ipply/Man	hufactur	e LED
🔲 A2990	Supply/Manufacture All-In-One Panel (AIOP) for FAT	62	10-Sep-16	10-Nov-16	0		⊹-⊹		++			Sı	upply/Mar	nufactu	re All-
A3000	Supply/Manufacture off-the-shelf equipment for FAT	50	10-Sep-16	29-Oct-16	0							📕 Su	pply/Man	ufacture	e off-tl
Factory Ac	cceptance Test (FAT)	94	10-Sep-16	12-Dec-16	0						T		12-Dec-	-16, Fa	ctory /
A2120	FAT Procedure Document	36	10-Sep-16	15-Oct-16	0							FAT	Procedu	ure Docu	ument
A2121	Engineer's Approval for FAT Procedure Document		16-Oct-16	29-Oct-16	0								gineer's A		
A3050	FAT for Licence Plate Recognition System (LPRS)		30-Oct-16	31-Oct-16	0		· · · · · · · · · · ·						T for Lice		
A3060	FAT for PA/Intercom		01-Nov-16	02-Nov-16	0							- i - i - i	T for PA/	i i i	- i i
A3090	FAT for ODB		03-Nov-16	04-Nov-16	0								AT for OD		
A3100	FAT for XDB		03-Nov-16	04-Nov-16	0								T for XD	i i i	
A3110	FAT for VID	2	03-Nov-16	04-Nov-16	0							I FA	T for VID)	
A3120	FAT for Video Management System (VMS)		05-Nov-16	06-Nov-16	0		*** <mark>*</mark> ***		+				AT for Vid		nagen
A3130	FAT for Vehicle Tracking System (VTS)		07-Nov-16	08-Nov-16	0							1 1 1	AT for Vel	1 1 1	1 1
A3140	FAT for Communication Network (CMN)	2	09-Nov-16	10-Nov-16	0								AT for Co		
A3150	FAT for All-In-One Panel (AIOP)	2	11-Nov-16	12-Nov-16	0							I F/	AT for All-	-In-One	e Pane
a3160	FAT for AVCSS System Test	2	13-Nov-16	14-Nov-16	0							I E	AT for AV	/CSS S	ystem
A4360	FAT Report Submission	14	15-Nov-16	28-Nov-16	0		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	+				FAT Repo		
gramme No.: HZ 1 Date: 14-Aug-1			Hor Fa	y Kong-Zhu ng Kong Bo cilities - Au nce Suppo	oundary tomatic	Cross Vehic	sing le				4'	T	Δ	1	<u> </u>

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ntract No.: HY/		Originari	Ctort	Liniah	Tatal	-	015			00	10				204-					010			e 8 of
ty ID	Activity Name	Original Duration	Start	Finish	Total Float	Q2	015 Q3	Q4	Q1	Q2	16 Q3	Q4	Q1	Q	2017		Q4	Q1	2 Q2	2018 Q3	3 Q4	Q1	2019 Q
A4370	Engineer's Approval for FAT Report Submission	14	29-Nov-16	12-Dec-16	0	Q2		Q7		QZ	0,0					of for FAT							
	anufacture Equipment		13-Dec-16	10-Feb-17	0								1 1 1			upply/Mai	1 I I						
A6830	Supply/Manufacture LED (ODB, VID and XDB) Display for installation	45	13-Dec-16	26-Jan-17	0								1 1 1	11	11	cture LEC				R) Disn	lay for ins	allation	
A6840	Supply/Manufacture AIOP for installation		13-Dec-16	10-Feb-17	0								1 1 1		1 1	facture Al	1 1					anaton	
	and Bench Acceptance Test for Phase 1/ Section I		30-Aug-16	21-Feb-17	0										·					Test f	or Phase	1/ Section	
A6740	Material On-Site for Phase 1/Section I		28-Dec-16	02-Jan-17	0								1 1 1	1 1	1 1	for Phase		: : :					
A6740	Material Bench Acceptance Test for Phase 1/Section I		28-Dec-16 03-Jan-17	02-Jan-17 07-Jan-17	0								T I I			cceptance			1/50	otion			
A6750	Cable On-Site for Phase 1/Section I		30-Aug-16	12-Sep-16	0							Cable (						renas	se inse	CUOTI			
A6960	AIOP On-Site for Phase 1/Section I		11-Feb-17	12-Sep-10 16-Feb-17	0									i i	- i - i	for Phas	o 1/Shot	lon I					
A6970	AIOP Bench Acceptance Test for Phase 1/Section I		17-Feb-17	21-Feb-17	0		÷			•					· -¦ +	Acceptan			asa 1/S				•
A6980	LED (ODB, VID and XDB) On-Site for Phase 1/Section I		27-Jan-17	31-Jan-17	0										1 1	D and XD							
A6990	LED (ODB, VID and XDB) On Site for Thase 1/Section 1 LED (ODB, VID and XDB) Bench Acceptance Test for Phase 1/Section I		01-Feb-17	05-Feb-17	0												1 1					1/Section	
	on - Phase 1 / Section I		13-Sep-16	29-Jun-17	20										i îi	29-Jun-17	1 I I				1 1 1 1	1/OCCION	
_			•								•			10	1	1 1 1 1					çuoi		
	1(PCB (001) Basement)		11-Oct-16	14-Nov-16	0		÷.									(PCB (00							
	Cable Laying and termination at Location 1 and Location 2		11-Oct-16	14-Nov-16	0							i i i	i i i		i i	nination a	i i i	i i i	i i	i i			
	1(PCB (001) ELV Room (Grid Line E3))		11-Oct-16	14-Nov-16	0											(PCB (00		: : :			))		
	Cable Laying and termination at Location 1 and Location 2		11-Oct-16	14-Nov-16	0											nination a					(Crid Lin	- (±2)\	
	2(PCB (001) Ground Floor ELV Room (Grid Line E3))		11-Oct-16 11-Oct-16	14-Nov-16	0							1 1 1				2(PCB (00		: : :			Gria Lin	e ⊫3))	
	Cable Laying and termination at Location 1 and Location 2		11-Oct-16	30-Mar-17	0		÷÷									nination a	그 그 옷 그 그는 그 것	( <u>}</u> )					
A2041	2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD)		11-Oct-16	14-Nov-16	0								-i -i -i	i i	i i	i i i i	1 1	1 1 1	- i i	i i		ort Health	
	Cable Laying and termination at Location 1 and Location 2 Cable Testing		15-Nov-16	07-Jan-17	0							1 1 1			1 1	nination a		ii i al					
A2042	Intercom and PA system Installation		08-Jan-17	13-Mar-17	0									ble Test	1 1	nd PA sys	tom linet		n				
A2043	Intercom and PA system initialiation		14-Mar-17	30-Mar-17	0									- i i	i i	and PAsys	- i i i	iii					
	2(PCB (001) First Floor Main Server Room)		14-10al-17 11-Oct-16	03-Apr-17	0		÷									17, Locatio			I) First	Floor M	Jain Sorv	ar Poom)	·
- Cocation A2001	Cable Laying and termination at Location 1 and Location 2		11-Oct-16	14-Nov-16	0									i i	i i	nination a	i i i	1 1 1	i i i	i i			
A2001	Cable Testing		15-Nov-16	27-Dec-16	0									le Testi	1 1								
A2002	AVCSS Network and Server Installation		28-Dec-16	14-Feb-17	0										ĭ,	ork and S	eriver' In	stallati	ion				
A2003	AVCSS Network and Server Tuning		15-Feb-17	03-Apr-17	0											vetwork a		: : :					
	3(Inbd Cargo Exam Bidg (037) Inspector Offices 128,129,130,131,128,12		10-Jan-17	22-May-17	0		+-+-						-		· -!	눈 는 는		( <u>-</u> )		Fram	Bldg (03	) Inspecto	or Of
A3241	Cable Laying and termination in Location 3 and Location 3a		10-Jan-17	13-Feb-17	0									i i	i i	and term	i i .	i i i		i i	1 1 1 1	) (110)-000	
A3242	AVCSS SURCON WS and 55" LCD Installation		14-Feb-17	13-Mar-17	0											RCON W							
A3243	VTS WS Installation		14-Feb-17	13-Mar-17	0									i i	i i	nstallation	i i i		-				
A3245	SURCON, WS Tuning		14-Mar-17	22-May-17	0											RCON, W							
	3(Inbd Cargo Exam Bldg (037) ELV Room)		13-Dec-16	09-Jan-17	0		÷÷			·		· · · · · ·	• 09			tion 3(Inb		7	Bilda ((	037) E	LV Room		
A3210	Cable Laying and termination between Location 3 and CUE		13-Dec-16	09-Jan-17	0							1 1 1	1 1 1	1 1	1 1	d terminat		1 1 1		1 1	1 1 1 1		
	3(Inbd Cargo Exam Bldg (037) Platform Control Room)		10-Jan-17	22-May-17	0									1 1	-			: : :				) Platform	n Co
A2071	Cable Laying and termination in Location 3 and Location 3a		10-Jan-17	13-Feb-17	0										1 1	and term		1 1 1		1 1	1 1 1 1		
A2072	AVCSS SYSCON WS and 55" TV Wall Installation		14-Feb-17	27-Feb-17	0											CONWS		: : :					
A2074	AVCSS SYSCON WS Tuning		28-Feb-17	22-May-17	0		† †								AVC	SS SYSC	ON WS	Tunir	ng				
	3(Inbd Cargo Exam Bldg (037) MDF Room)		13-Dec-16	09-Jan-17	0							•	• 09	Jan-17	i i	tion 3(Inb	i i .	i i i	-	037) M	IDF Room	ı)	
🔲 A3190	Cable Laying and termination between Location 3 and CUE	28	13-Dec-16	09-Jan-17	0											d terminat							
Location	3a(Inbd Cargo Exam Bldg (037) ROCARS Room)	133	10-Jan-17	22-May-17	0								-		1 1					1 1		7) ROCA	RSF
👝 A2091	Cable Laying and termination in Location 3 and Location 3a	35	10-Jan-17	13-Feb-17	0									Cable I	Laying	and term	ination ir	Loca	tion 3 a	and Lo	cation 3a		
a A2092	AVCSS SYSCON, SURCON and Intercom Installation	49	14-Feb-17	03-Apr-17	0									i Av	/css	SYSCON,	SURCO	N and	I Interco	om Inst	allation		
pgramme No.: HZ ta Date: 14-Aug-			Hor Fa	g Kong-Zhu ng Kong Bo cilities - Au nce Suppo	oundary tomatic	Cros Vehi	sing cle		2	)/	1	Г	4	L		14-Nov	ate /-16	Rev.	Revision : 0		Checker C		pprov

D	Activity Name	Original Start	Finish	ork Progra	20	)15			20	016				2017				2018	3			e 9 201
		Duration		Float	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		3 (	Q4	Q1	Q2	Q3	Q4	Q1	
🔲 A2093	VTS WS Installation	49 14-Feb-17	03-Apr-17	0									📕 УТ	swsi	stallatio	on						-
🛑 A2094	VID WS Installation	49 14-Feb-17	03-Apr-17	0									📫 Vic	) WS Ir	stallatio	n						
<b>A2096</b>	SURCON, SYSCON, WS Tuning	49 04-Apr-17	22-May-17	0										SUR	ON, SY	YSCON,	WSTu	ning				
Location	3a(Inbd Cargo Exam Bldg Main Server Room)	133 10-Jan-17	22-May-17	0								-		22-M	y-17, L	ocation	3a(Inbd	Cargo E	xam B	ldg Main	Server	r Ŗ
🔲 A3330	Cable Laying and termination in Location 3 and Location 3a	35 10-Jan-17	13-Feb-17	0				+					+ !	-1++-		4 + 1		on 3 and	-	+ +		!-
<b>A</b> 3340	AVCSS Server Installation	30 04-Apr-17	03-May-17	0									. 💻 .	AVCSS	Server	Installati	on					
A3350	VTS Server Installation	30 04-Apr-17	03-May-17	0								: : :	i 🖬 🖓	VTS Se	verins	tallation						
A3360	Servers Tuning	19 04-May-17	22-May-17	0										Serve								
	4(Outbd Cargo Exam Bldg (023) MDF Room)	21 14-Feb-17	06-Mar-17	0								-		1 1 1		· • · · ·	Cardo	Éxam Bl	dq (02	3) MDF I	Room)	
		21 14-Feb-17	06-Mar-17	0				+				F F - 4 -	+ i	++				en CUE a	-	+ + +		
	4 and 4a(Outbd Cargo Exam Bidg (023) ROCARS Room)	77 07-Mar-17	22-May-17	0										1 1- 1-				a(Outbd				3)
A3370	Cable Laying and termination in Location 4 and 4a	35 07-Mar-17	10-Apr-17	0								1 1 1		1 1 1	То на н			ocation 4	i T		19 (040	- /
A3380	AVCSS SYSCON, SURCON and Intercom Installation	14 05-Mav-17	18-May-17	0									i i			i i i	i i i	and Inter	i i	i i i		
	VTS WS Installation	14 05-May-17	18-May-17	0										VTSV						Stallation		
	SYSCON, SURCON, WS Tuning	4 19-May-17		0				+						-i		JRCON,		ning		+ +		
A3400		,	22-May-17	0										1 1 1					0.04-6	Culture		
_	5(Common Utility Enclosure & Staff Subway)	131 13-Sep-16	21-Jan-17	68								1 I I		1 1 1	. i i i			nclosure	& stan	Subway	2	
A3430	Cable Laying between Location 5 and Location 7	28 13-Sep-16	10-Oct-16	0		11				1 I I	Cable	1 1 1		1 1 1								
<b>a</b> A3440	Cable Laying between Location 5 and Location 6	28 15-Nov-16	12-Dec-16	0									1 - 1 -			ion 5 an		on 6				
<b>—</b> A3480	ODB Switch Installation at EL Room 2-7	14 08-Jan-17	21-Jan-17	68								÷ i		-i÷÷-		at EL Ro			-	+		
	6(Common Utility Enclosure & Staff Subway)	42 15-Nov-16	26-Dec-16	94							1 1 1	1 1 1		1 1 1				losure &	Staff S	ubway)		
🔲 A3450	Cable Laying between Location 5 and Location 6	28 15-Nov-16	12-Dec-16	0		111										ion 5 an						-
🔲 A3490	ODB Switch Installation at EL Room 8-9,11-12	14 13-Dec-16	26-Dec-16	94							1 1 1					EL Room						
Location	7(Common Utility Enclosure & Staff Subway)	28 13-Sep-16	10-Oct-16	0							<b>10-</b> 0	ct-16, L	ocation	7(Com	mon Ut	tility Encl	osure 8	Staff Su	bway)			
🛑 A3470	Cable Laying between Location 5 and Location 7	28 13-Sep-16	10-Oct-16	0							Cable	a Laying	g þetwe	en Loc	tion 5 a	and Loca	tion 7					
Location	12(Inbd Private Car Kiosks,GV Kiosks (027,028,029))	195 17-Sep-16	31-Mar-17	0						٦			31-	Mar-17	Locatio	on 12(In	bd Priva	ate Car K	iosks,C	V Kiosks	(027,0	02
🔚 Inbd Pri	ivate Car Kiosks(027) - 9 nos (Phase 1)	134 11-Oct-16	22-Feb-17	0									22-Feb	d-17, In	d Priva	te Car k	(iosks(0	27) - 9 n	os (Ph	ase 1)		
📄 A245	2 Cable Containment in Kiosks	14 11-Oct-16	24-Oct-16	0							📕 Cat	le Con	tainmer	nt in Kio	sks							
🔲 A245	53 Cable Laying and termination	10 25-Oct-16	03-Nov-16	0							📕 Ca	ble Lay	ing and	termin	tion							
🔲 A245	54 Cable Splicing, Testing and Labeling	65 04-Nov-16	07-Jan-17	0							: 📻	Cab	ole Splic	ing, Tes	ting and	d Labelin	g					
🔲 A246	60 AVCSS/DOH/MOM Kiosk Equipment Installation (9 nos)	45 08-Jan-17	21-Feb-17	0				+	4				AVCSS	S/DOH/I	10M Ki	osk Equi	pment I	nstallatio	n' (9' no	s)	+ -	!
🔲 A247	70 ODB & XDB installation (9 nos)	16 06-Feb-17	21-Feb-17	0									ODB &	XDB in	stallatio	n (9 nos						
	30 Inbd Private Car Kiosk Installation Complete	0 22-Feb-17		0		11						1 1 1	1 1	1 1 1		i î i i	î i i	mplete, 2	2-Feb	17		
	oods Vehicle Kiosks(028) - 5 nos (Phase 1)	195 17-Sep-16	31-Mar-17	0						•				1 1 1				osks(028			1	
	2 Cable Containment in Kiosks	14 17-Sep-16	30-Sep-16	0							Cable	Contai		1 1 1	1 1 1							
	33 Cable Laying and termination	10 01-Oct-16	10-Oct-16	0				+				+	+ i	++						+ +		
	4 Cable Splicing, Testing and Labeling	134 11-Oct-16	21-Feb-17	0		11						: : :				and La	helina					
	0 AVCSS/DOH/MOM Kiosk Equipment Installation (5 nos)	37 22-Feb-17	30-Mar-17	0								1 1 1	1 1	1 1 1			1 1 1	ent Install	ation (	5 005)		
	50 AIOP Installation (5 nos)	37 22-Feb-17	30-Mar-17	0										)P Insta			Adibilit					
	0 ODB & XDB installation (5 nos)	37 22-Feb-17 37 22-Feb-17	30-Mar-17	0								1 1 1	1 1	1 1 1		ation (5	nos)					
	00 Inbd Goods Vehicle Kiosks Installation Complete	0 31-Mar-17	JU-IVIdí - 17	0									+ i	++			·i + i- ·	tion Com	niloto (	21_Mat 1	7	
	Goods Vehicle Kiosks (029) - 5 nos (Phase 1)	147 04-Nov-16	31-Mar-17	0														Kiosks(02				
	2 Cable Containment in Kiosks		17-Nov-16	0										1 1 1		Suous \		10515(02	3)-3	uus (Fild	se 1)	
		14 04-Nov-16		0							1 1 1	1 1 1		ent in k								
	73 Cable Laying and termination	10 18-Nov-16	27-Nov-16	0								1 1 1	- T	nd term								
	<ul><li>74 Cable Splicing, Testing and Labeling</li><li>80 AVCSS/DOH/MOM Kiosk Equipment Installation (5 nos)</li></ul>	41 28-Nov-16 37 08-Jan-17	07-Jan-17 13-Feb-17	0				++				F F	+	++-		d Labelin		hetallation	) (5 pc	(c)		
A258		JI UO-JAN-1/	13-FED-1/	U		: :	: : :		1 1 1	: : :	: : :	:=;	44022	'nμήν		isri⊏dnib	, nent II	nstallation	r¦(ə¦no	(5)	1 1	
amme No.: HZ	ZMB-DWP Actual Level of Effort	Hone	g Kong-Zhu	ihai-Ma	acao Ri	idae										ate		evision		hecked	_	٩рр
Date: 14-Aug-1			a Kona Dr			inge									14-Nov	v-16	Rev.:	0	WC		LC	
	Remaining Work		ng Kong Bo cilities - Au nce Suppo	Jui lual y		any Io																
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D	Activity Name	Original Start Duration	Finish	Total Float	Q2	015 Q3	Q4	Q1	Q2	2016 Q3	Q4	Q1	Q2	2017 Q3	Q4 C	21 (		3 Q4	Q1	2019 21
	2590 AIOP Installation (5 nos)	37 22-Feb-17	30-Mar-17	0			Q4				04			P Installation				5 Q4		++-
	2600 ODB & XDB installation (5 nos)	37 06-Feb-17	14-Mar-17	16									1 1 1	& XDB install		c)				
	4400 Outbd Goods Vehicle Kiosks Installation Complete	0 31-Mar-17		0								i i i	i i i	d Goods Ver	i i i i	i i i	tion Com	lata 31-M	ar 17	
	on 13(Outbd Private Car Kiosks (030)) - 9 nos (Phase 1)	115 06-Dec-16	31-Mar-17	0								1 1 1	1 1 1	/lar-17, Loca	1 1 1 1					va (Phe
A358		14 06-Dec-16	19-Dec-16	0		÷						F I	+	iment in Kios				JSKS (UJU))	- 3 1103	3 (1 /1a
		10 20-Dec-16	29-Dec-16	0							1 1 1	1 1 1	1 1 1	and termina	<u> </u>					
A358		46 30-Dec-16	13-Feb-17	0								1 1 1	1 1 1	olicing, Testin		olina				
				0									1 1 1			-	4			
A359		45 14-Feb-17	30-Mar-17	0									1 1 1	SS/DOH/MO			tinstallati	on (9 nos):		
A360		45 14-Feb-17	30-Mar-17	0									+	8 & XDB insta						
🔲 A441	· · · · · · · · · · · · · · · · · · ·	0 31-Mar-17		0										od Private Ca						
	on 14(Future-Outbd/Inbd Private Car Kiosks) - 6+6 nos	28 15-Apr-17	12-May-17	68									1 1 1	12-May-17, L	1 I I I I	<u>`</u>			Car Kios	usks) -
A244	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	28 15-Apr-17	12-May-17	68										Cable Laying						
Locatio	on 15(Inbd Traffic Control Kiosk (100))	42 11-Apr-17	22-May-17	0										22-May-17,	Location 1	5(Inbd T	raffic Cor	trol Kiosk (	100))	
🔲 A365	51 Cable Laying and termination	14 11-Apr-17	24-Apr-17	0	· · · · ·		 						Ca	able Laying a	nd termina	ition		· · · · · ·		
🔲 A365	52 AVCSS SYSCON, SURCON Installation	7 25-Apr-17	01-May-17	0									A	VÇS\$ SYSC	ON, SURC	ON Inst	allation			
🔲 A366	60 VTS WS and 55" LCD Installation	7 25-Apr-17	01-May-17	0									V	TS WS and	55" LCD In	stallation	n			
🛑 A367	70 SYSCON, SURCON, WS Tuning	21 02-May-17	22-May-17	0										SYSCON, S	URCON, V	NS Tuni	ng			
Locatio	on 16(Outbd Traffic Control Kiosk (101))	21 02-May-17	22-May-17	0										22-May-17,	Location 10	6(Outbd	Traffic C	ontrol Kiosk	(101))	)
🔲 A370	01 Cable Laying and termination	14 02-May-17	15-May-17	0										Cable Laying	and termi	nation				
🔲 A370	AVCSS SYSCON, SURCON Installation	7 16-May-17	22-May-17	0										AVC'SS SYS	CON, SUF	RCON In	stallation			
🔲 A371	10 VTS WS and 55" LCD Installation	7 16-May-17	22-May-17	0										VTS WS an	d 55" LCD	Installat	ion			
	on 17(Inbd Private Car Exam Bldg(033) Operational Office)	28 25-Apr-17	22-May-17	0									1 1 1	22-May-17,	1 1 1 1			r Exam Bld	q(033)	) Opera
A375		7 25-Apr-17	01-May-17	0									i i i	able Laying						
A376		7 02-May-17	08-May-17	0									1 1 1	WCSS SUR			Installatio	n		
A377		14 09-May-17	22-May-17	0									+	SURCON'T						
	on 18 (Outbd Private Car Exam Bldg(024) Operational Office)	16 14-Jun-17	29-Jun-17	0									1 1 1	🕶 29-Jun-1		n 18 (Or	thd Priva	e Car Eva	n Blda(	(024)
A378		7 14-Jun-17	20-Jun-17	0									1 1 1	Cable La		1 1 1			II Diag(	(024)
A379		9 21-Jun-17	29-Jun-17	0										AVCSS				llation		
		98 14-Feb-17		0										22-May-17,	1 1 1 1				4~(042)	
	on 19 (DOH Cargo Clearance Bidg(043))	14 14-Feb-17	22-May-17	0									+	- + +				! + + !-	+	<i>))</i>
A211			27-Feb-17	0										aying and te			Location	19 and CO		
A211	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	21 28-Feb-17	20-Mar-17	0								1 1 1	1 1 1	e Laying in Lo	1 I I I					
A211		14 21-Mar-17	03-Apr-17	0									<u>i i</u> i	nd Intercom	i i _i _i	- i i i				
A212		49 04-Apr-17	22-May-17	0									1 1 1	PA and Inter	1 1 1 1					
	ehicle Clearance Plaza - 8 nos VID, 7 nos VTS, 4 nos TLS	80 14-Feb-17	04-May-17	0			· · · · · · · · · · · ·						+	4-May-17, Ir	4			+ +	, 7 nos	3 VTS
🔲 A405	50 Inbound VID cabling from pillar box to VID field equipment	16 14-Feb-17	01-Mar-17	0										d VID cabling						
🔲 A405	52 Inbound VTS cabling from pillar box to VTS field equipment	8 02-Mar-17	09-Mar-17	0									Inbour	nd VTS cablir	ig from pilla	ar box to	VTS fiel	l equipmen	t	
🔲 A405	54 Inbound TLS cabling from pillar box to TLS field equipment	8 10-Mar-17	17-Mar-17	0									Inbou	nd TLS cabli	ng from pill	lar box to	o TLS fiel	d equipmer	ıt	
🔲 A406		32 02-Mar-17	02-Apr-17	0									Inbo	und VID field	equipmen	it installa	ition (8 VI	D)		
🔲 A406	52 Inbound VTS field equipment installation (4 RFID + 3 Cameras)	16 10-Mar-17	25-Mar-17	0									Inbou	und VTS field	equipmen	it installa	ition (4 R	ID + 3 Cai	nėras)	
🔲 A406	64 Inbound TLS field equipment installation (4 TLS)	8 26-Mar-17	02-Apr-17	0									Inbo	und TLS field	lequipmer	nt installa	ation (4 T	\$)		
🔲 A406	66 Inbound VID, VTS and TLS field equipment tuning	32 03-Apr-17	04-May-17	0									💻 İr	nbound VID,	VTS and T	LS field	equipme	nt tuning		
- Outbd	Vehicle Clearance Plaza - 8 nos VID, 6 nos VTS, 4 nos TLS	66 18-Mar-17	22-May-17	0										22-May-17,	Outbd Veh	icle Clea	arance Pla	iza - 8 nos	VID, 6 i	nos V
A411	0 Outbound VID cabling from pillar box to VID field equipment	16 18-Mar-17	02-Apr-17	0									Outb	ound VID ca	bling from	pillar bo	x to VID f	eld equipm	ent	
A412	20 Outbound VTS cabling from pillar box to VTS field equipment	8 03-Apr-17	10-Apr-17	0									Out	bound VT\$	abling fron	n pillar b	ox to VT	field equip	ment	
A413		5 11-Apr-17	15-Apr-17	11		··· · ·i-							+	- + + 11	4 +			s field equip	+	

- Actual Level of Effort Actual Work Remaining Work Critical Remaining Work Milestone
- summary



Date	Revision	Checked	Approved
Nov-16	Rev.: 0	WC	LC

Contract No.: HY		Original Chart	Detail Wo	· · · · · · ·		145				2010			0047	7			2040		Page 11 c
ivity ID	Activity Name	Original Start Duration	Finish	Total Float	Q2	)15	Q3 Q4		Q2	2016 2 Q3	Q4	Q1 (	2017 22	Q3	Q4 (	1 Q2	2018 Q3	Q4	2019 Q1 (
🔲 🔲 A4140	Outbound VID field equipment installation (8 VID)	32 03-Apr-17	04-May-17	0	Q2		G4	Q1	022						D field equip				
A4150	Outbound VTS field equipment installation (3 RFID + 3 Cameras)	16 11-Apr-17	26-Apr-17	0									1 1	1 1 1				RFID + 3 C	Cameras)
A4170	Outbound TLS field equipment installation (4 TLS)	8 27-Apr-17	04-May-17	0									- i - i	i i i	S field equi				
A4180	Outbound VID, VTS and TLS field equipment tuning	18 05-May-17	22-May-17	0									1 1	1 I I	ID, VTS ar		i i i <b>`</b> i		
	ound Ducting between Inbd Cargo Exam Bldg (037) and CUE	35 08-Jan-17	11-Feb-17	0								<b>11-Fe</b>	+	+				+	3ldd (037) a
A3810		35 08-Jan-17	11-Feb-17	0								Cable	i i	i i i					
	ound Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clea	26 12-Feb-17	09-Mar-17	0									1 1 1	1 I I					n Bldg (037
A3830		26 12-Feb-17	09-Mar-17	0										1 1 1	ermination				
	ound Ducting between CUE and Outbd Car Exam Bldg (023)	24 10-Mar-17	02-Apr-17	0									1.1.1					E and Outb	d Car Evar
A3850	Cable Laying and termination (note: Access Date by C03)	24 10-Mar-17	02-Apr-17	0		÷···		+++++++++++++						·	terminatio			+++	
	ound Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle (	24 10-Mai-17	26-Apr-17	0									1 1	F F I				utbd Cargo	- Evam Bld
		24 03-Apr-17	26-Apr-17	0									1 1						
A3870		24 03-Apr-17 26 27-Apr-17	20-Apr-17 22-May-17	0									i i	i i i			i i i i	ate by CO	outbd Veh
	ound Ducting between CUE and Outbd Vehicle Clearance Plaza	26 27-Apr-17		0									1 1	1 1 1	1 1 T 1		T ! ! !		1 1 1 1
A3890		· · ·	22-May-17	0								+	+	+			4 H II-	s Date by C	4 + 11
	Test and Commissioning (Phase 1 / Section I)	128 15-Jan-17	22-May-17	0														ng (Phase	
🔲 A2150	Testing & Commissioning Documents Submission (8 weeks before Testings carried out)	30 15-Jan-17*	13-Feb-17	84								🗖 Testin					nission (8	weeks bef	ore Testing
🔲 A2151	Engineer Approval for T&C Document	14 14-Feb-17	27-Feb-17	84										i i i	or T&C Do				
😑 A2152	Joint Site Inspection for Permanent Power/Tele-communication for Initial on-site testing	14 17-Mar-17*	30-Mar-17	0														communic	ation for In
🔲 A2153	Initial on-site Testing & Commissioning	53 31-Mar-17	22-May-17	0									lnitia	al on-site	e Testing &	Commissio	onihg		
蜡 Site Acce	ptance Test (Phase 1 / Section I)	94 17-Apr-17	19-Jul-17	0										19-Jul	17, Site Ac	ceptance	Test (Pha	se 1 / Secti	on I)
A6601	Interface Readiness CED(LBS, CED IT, Metro-Ethernet) and IMMD (AVS)	36 17-Apr-17*	22-May-17	0														etro-Etherr	
A6602	SAT for AVCSS	28 23-May-17	19-Jun-17	0									S	AT for A	VCSS				
<b>—</b> A6603	SAT for Location 18 (AVCSS SURCON and 55" LCD)	5 30-Jun-17	04-Jul-17	0										SAT for	Location 1	B (AVC\$S	SURCON	l and 55" L	CD)
A6630	SAT Test Document Submission	30 20-Jun-17	19-Jul-17	0											est Docum				
A6640	Software Manual Documentations Submission	30 20-Jun-17	19-Jul-17	0		÷								Softwa	ne Manual	Document	tations Su	Ibmission	
Security	Risk Assessment and Audit	58 23-May-17	19-Jul-17	0									1 1	1 1 1	17, Securi				
A6800	SRAA (Assessment)	9 23-May-17	31-May-17	0										1 1 1	essment)				
A6810	Fix per SRAA Assessment	40 01-Jun-17	10-Jul-17	0									1 1	i î i	SRAA Ass	essment			
A6820	SRAA Audit	9 11-Jul-17	19-Jul-17	0										SRAA					
	ity Period Test (Phase 1 / Section I)	37 13-Jun-17	19-Jul-17	0		t ti								19-Jul				nase 1 / Se	
A5610	Joint Site Inspection for utilities, telecom connection and metro ethernet for OPT	7 13-Jun-17*	19-Jun-17	0														connection	
A5620	Operability Period Test (OPT) Phase 1	15 20-Jun-17	04-Jul-17	0									1 1	1 1 1	lity Period		i		
A3620		15 20-Jul-17	19-Jul-17	0									i i	i i i	bility Period				
	Operability Period Test (OPT) Phase 2 on (Phase 1 /Section I)	5 20-Jul-17	24-Jul-17	0											-17, Comp				
A2230				-									+					+	ation I)
	AVCSS - Certificate of Completion (Phase 1/Section I)	5 20-Jul-17	24-Jul-17	0													1. 1. 1. 1	hase 1/Se	
🔲 A2231	Certificate of Completion Approval by Engineer	0	24-Jul-17	0									1 1	1 I I	cate of Cor		i i i î		1 I I I I
_	and Document (Phase 1 /Section I)	140 21-Feb-17	10-Jul-17	14										111				nase 1 /Sec	uon I)
😑 A2180	Training Materials & Documentation Submission	30 21-Feb-17*	22-Mar-17	14								Tr 🔲	1 T	1 1 1	& Docume				
🔲 A2190	Operation and Maintenance Training	110 23-Mar-17	10-Jul-17	14										Operati	on and Ma	ntenance	Training		
n Operation	n (Phase 1 /Section I)	0 25-Jul-17	25-Jul-17	0									▼	25-Ju	-17, Opera	tion (Phas	e 1 /Secti	on I)	
A2240	Site Operation (Phase 1/Section I)	0 25-Jul-17		0									•	Site O	peration (F	hase 1/Se	ction I), 2	5-Jul-17	
Engineer	ing Support for Phase 1 / Section I	190 25-Jul-17	30-Jan-18	0									▼		<u> </u>	30-Jan-18	8, Engine	ering Supp	ort for Pha
					1 1 1														

Actual Work Remaining Work 

Critical Remaining Work

 Milestone summary



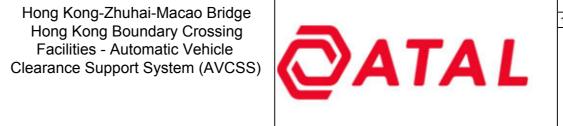
htract No.: HY		Original	Otant	Detail Wo	· · · · · ·						10		Page 12
y ID	Activity Name	Original Duration	Start	Finish	Total Float	2015			01	20		01	
A4420	Engineering Support for Phase 1/Section I	100	25-Jul-17	30-Jan-18	0	Q2	Q3 (	24	Q1	Q2	Q3	Q4	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1
			13-Aug-16	11-Nov-16	0						_	11	1-Nov-16, Procurement - Phase 2 / Section II
	ement - Phase 2 / Section II				0								
A3980	Procurement of Lane Field Equipment for Phase 2/Section II		13-Aug-16	11-Nov-16	0								rocurement of Lane Field Equipment for Phase 2/Section II
Delivery	and Bench Acceptance Test for Phase 2/Section II		12-Nov-16	09-Dec-16	74								209-Dec-16, Delivery and Bench Acceptance Test for Phase 2/Section II
<b>A6760</b>	Material On-site for Phase 2/Section II		12-Nov-16	25-Nov-16	74							i i i	Material On-site for Phase 2/Section II
🛑 A6770	Bench Acceptance Test for Phase 2/Section II		26-Nov-16	09-Dec-16	74								Bench Acceptance Test for Phase 2/Section II
🛓 Instatllat	tion - Phase 2 / Section II	171	30-Dec-16	19-Jun-17	0								V 19-Jun-17, Instatllation - Phase 2./ Section II
Location	on 8(Inbd Pricate Car Annex (025)) (Phase 2)	156	30-Dec-16	04-Jun-17	0								Viena (025)) (Phạse
🔲 A4090	0 Site Preparation	10	30-Dec-16	08-Jan-17	54								I Site Preparation
🔲 A4091	1 Cable Containment in Kiosks	8	09-Jan-17	16-Jan-17	54								Cable Containment in Kiosks
🔲 A4093	3 Cable Laying and termination	8	17-Jan-17	24-Jan-17	54								Cable Laying and termination
🔲 A4094	4 Cable Splicing, Testing and Labeling	30	25-Jan-17	23-Feb-17	71								Cable Splicing, Testing and Labeling
🔲 A4096	6 Mobilization of kiosk equipment	10	24-Feb-17	05-Mar-17	71								Mobilization of kiosk equipment
🔲 A4100	0 AVCSS/DOH/MOM Kiosk Equipment Installation (1 no)	19	16-May-17	03-Jun-17	0								AVCSS/DOH/MOM Kiosk Equipment Installation (1 no)
🔲 A4430	0 Inbd Private Car Annex Installation Complete	0	04-Jun-17		0								Inbd Private Car Annex Installation Complete, 04-Jun-17
Location	on 9(Outbd Private Car Annex (032)) (Phase 2)	145	25-Jan-17	19-Jun-17	0								19-Jun-17, Location 9(Outbd Private Car Annex (032)) (Pha
🔲 A4151	1 Site Preparation	10	25-Jan-17	03-Feb-17	54								Site Preparation
🔲 A4152	2 Cable Containment in Kiosks	8	04-Feb-17	11-Feb-17	54								Cable Containment in Kiosks
🔲 A4153	3 Cable Laying and termination	8	12-Feb-17	19-Feb-17	54								Cable Laying and termination
🔲 A4154	4 Cable Splicing, Testing and Labeling	30	20-Feb-17	21-Mar-17	54								🔲 Cable Splicing, Testing and Labeling
🔲 A4156	6 Mobilization of kiosk equipment	20	22-Mar-17	10-Apr-17	54								Mobilization of kiosk equipment
🔲 A4160	0 AVCSS/DOH/MOM Kiosk Equipment Installation (1 no)	15	04-Jun-17	18-Jun-17	0								AVCSS/DOH/MOM Kipsk Equipment Installation (1 no)
🔲 A4440	0 Outbd Private Car Annex Installation Complete	0	19-Jun-17		0								<ul> <li>Outbd Private Car Annex Installation Complete, 19-Jun-17</li> </ul>
Test and	d Commissioning (Phase 2 / Section II)	145	06-May-17	27-Sep-17	0								27-Sep-17, Test and Commissioning (Phase 27 Sep-17, Test and Commissioning (Phase 27 Sep-17, Test and Commissioning (Phase 27 Sep-17))
a A2290	Testing & Commissioning Documents Submission	30	06-May-17*	04-Jun-17	0								Teșting & Commișsioning Documents Submission
<b>a</b> A2291	Engineer Approval for T&C Document	14	05-Jun-17	18-Jun-17	0								Engineer Approval for T&C Document
a A2292	Initial on-site Testing & Commissioning	31	19-Jun-17	19-Jul-17	0								🛑 Initial on-site Testing & Commissioning
<b>A2300</b>	Site Acceptance Tests (SAT)	40	20-Jul-17	28-Aug-17	0								Site Acceptance Tests (\$AT)
<b>a</b> A2310	Operability Period Test (OPT)	30	29-Aug-17	27-Sep-17	0								Operability Period Test (OPT)
Complet	tion (Phase 2 / Section II)	5	28-Sep-17	02-Oct-17	0								🛡 02-Oct-17, Completion (Phase 2 / Section II)
A2320	AVCSS - Certificate of Completion (Phase 2/Section II)	5	28-Sep-17	02-Oct-17	0								AVCSS - Certificate of Completion (Phase 2/Secti
A4320	Certificate of Completion Approval by Engineer	0		02-Oct-17	0								<ul> <li>Certificate of Completion Approval by Engineer,</li> </ul>
	ering Support for Phase 2 / Section II	120	03-Oct-17	30-Jan-18	0								▼ 30-Jan-18, Engineering Support for P
A4450	Engineering Support for Phase 2/Section II		03-Oct-17	30-Jan-18	0								Engineering Support for Phase 2/Sect
			13-Aug-16	11-Nov-16	0							11	1-Nov-16, Procurement for Phase 2/ Section III
	ement for Phase2 / Section III				0								
A4000	Procurement of Lane Field Equipment for Phase 2/Section III		13-Aug-16	11-Nov-16	0								rocurement of Larie Field Equipment for Phase 2/Section III
Delivery	and Bench Acceptance Test for Phase2 / Section III		12-Nov-16	25-Nov-16	0								25-Nov-16, Delivery and Bench Acceptance Test for Phase2 / Section III
🔲 A6780	Material On-site for Phase 2/Section III		12-Nov-16	18-Nov-16	0								Vlaterial Oh-site for Phase 2/Section III
🛑 A6790	Bench Acceptance Test for Phase 2/Section III		19-Nov-16	25-Nov-16	0							I E	Bench Acceptance Test for Phase 2/Section III
占 Installati	ion - Phase 2 / Section III	223	26-Nov-16	07-Jul-17	0								▼ 07-Jul-17, Installation - Phase 2/ Section III
Location	n 10,11,12,13 (Vehicle Clearance Kiosks)	223	26-Nov-16	07-Jul-17	0							-	▼ 07-Jul-17, Location 10,11,12,13 (Vehicle Clearance Kiosks
Shutt	tle Bus Kiosks (006) - 4 nos (Phase 2)	70	14-Feb-17	25-Apr-17	0								▼ 25-Apr 17, Shuttle Bus Kiosks (006) - 4 nos (Phase 2)
A26	622 Cable Containment	20	14-Feb-17	05-Mar-17	0								Cable Containment

Programme No.: HZMB-DWP Data Date: 14-Aug-15 Actual Level of Effort Actual Work Critical Remaining Work Milestone summary Actual Level of Effort Actual Work Critical Remaining Work Summary

Date	Revision	Checked	Approved
Nov-16	Rev.: 0	WC	LC

ID	No.: HY/2013/06 Activity Name	Original Start	Detail W	Total		015			20	)16			2017			20	18	r aų	ige 13 20
U	Activity Name	Duration	FILISI	Float	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1 Q2		Q4	Q1	Q2		24 (	Q1
	A2623 Cable Laying and termination	20 06-Mar-17	25-Mar-17	0	Q2_		Q.T		Q42				le Laying			Q42		× (	<u> </u>
	A2630 AVCSS/DOH/MOM Kiosk Equipment Installation (4 nos)	30 26-Mar-17	24-Apr-17	0												uipment In	stallation (4	nos)	
	A4460 Shuttle Bus Kiosks Installation Complete	0 25-Apr-17	· ·	0													e, 25-Apr-17		
E.	Outbd Coach Kiosks (009) - 4 nos (Phase 2)	58 26-Mar-17	23-May-17	0													9) - 4 nos (F		•
	A2662 Cable Containment	15 26-Mar-17	09-Apr-17	0								+	able Conta						
	A2663 Cable Laying and termination	15 10-Apr-17	24-Apr-17	0									able Lavi		rmination				
	A2670 AVCSS/DOH/MOM Kiosk Equipment Installation (4 nos)	28 25-Apr-17	22-May-17	0										- Te - Fe			Installation	(4 nos)	
	A4470 Outbd Coach Kiosks Installation Complete	0 23-May-17		0									: : : :				nplete, 23-M		
	Inbd Private Car Kiosks (027) - 12 nos (Phase 2)	208 26-Nov-16	22-Jun-17	0							<b>—</b>						ks (027) - 12	- 1 I I	hase
	A2742 Cable Containment	40 26-Nov-16	04-Jan-17	0								Cable Cont	i+						
	<ul> <li>A2743 Cable Laying and termination</li> </ul>	40 05-Jan-17	13-Feb-17	0								Cable L		l terminat	ion				
	A2744 Cable Splicing, Testing and Labeling	8 14-Feb-17	21-Feb-17	0								Cable				a			
	A2750 AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)	84 22-Feb-17	16-May-17	0										- i i i	- i i i		Installation (	12 nos)	
	<ul> <li>A2760 Kiosk Equipment Configuration (12 nos)</li> </ul>	36 17-May-17	21-Jun-17	0												juration (1		12 1100)	
	A4490 Inbd Private Car Kiosks Installation Complete	0 22-Jun-17	21-5011-17	0													n Complete,	22- lun-	17
	Outbd Private Car Kiosks (030) - 12 nos (Phase 2)	198 06-Dec-16	22-Jun-17	0													sks (030) -		
	A2782 Cable Containment	40 06-Dec-16	14-Jan-17	0								Cable Cor					SK\$ (000) -	12,1103 (1	inpo
	A2783 Cable Laying and termination	40 15-Jan-17	23-Feb-17	0										d termina	tion				
	A2784 Cable Splicing, Testing and Labeling	35 24-Feb-17	30-Mar-17	0									ble Splicin			oling			
	A2790 AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)	83 31-Mar-17	21-Jun-17	0						+							ent Installatio	on'(12 n'	(20)
	A4500 Outbd Private Car Kiosks Installation Complete	0 22-Jun-17	21-3011-17	0													ion Complet		: :
	Inbd Goods Vehicle Kiosks (028) - 3 nos (Phase 2)	85 21-Mar-17	14-Jun-17	1													osks (028) - :		
	A2822 Cable Containment	15 21-Mar-17	04-Apr-17	0									ble:Conta	- i i i	u Goous		σκο (ψ2φ) - ·		ilase
	A2823 Cable Laying and termination	10 05-Apr-17	14-Apr-17	0									able Layir	1.1.1.1	mination				
	A2825 Kiosk Equipment Configuration (3 nos)	38 15-Apr-17	22-May-17	0												ation (3 nd	) )	+	
	A2830 AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)	22 23-May-17	13-Jun-17	0													ent Installatio	n (3 noe	
	A4510 Inbd Goods Vehicle Kiosks Installation Complete	0 14-Jun-17	13-341-17	1													ion Complet	- i i i i	<u>с</u> т. –
	Outbd Goods Vehicle Kiosks (029) - 3 nos (Phase 2)	133 24-Feb-17	07-Jul-17														Kiosks (029)		: :
	A2862 Cable Containment	15 24-Feb-17	10-Mar-17	0									Contain				110365 (023)	) - 3 1103	
	A2863 Cable Laying and termination	10 11-Mar-17	20-Mar-17	0									le Laying		inbtion '			+	;
	A2865 Cable Splicing, Testing and Labeling	86 21-Mar-17	14-Jun-17	0												nd Labelir			
	A2870 AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)	22 15-Jun-17	06-Jul-17	0										i i ī	1 1 1		nent Installa	tion (3 n	
	A4520 Outbd Goods Vehicle Kiosks Installation Complete	0 07-Jul-17	00-301-17	0													allation Com	- 1 1 1	: : :
	Inbd Coach Kiosks (010) - 4 nos (Phase 2)	73 25-Apr-17	07-Jul-17	0									: : : :	1 1 1	1 1 1		10) - 4 nos (	11 <u>1</u> 1	1 1
	A2702 Cable Containment	15 25-Apr-17	07-301-17 09-May-17	0									Cable Co				10) - 4 1103 (		·/
	A2703 Cable Laying and termination	15 10-May-17	24-May-17	0									Cable L	1 1 1		tion			
	A2705 Kiosk Equipment Configuration (4 nos)	28 25-May-17	24-May-17 21-Jun-17	0												juration (4	noc)		
	A2710 AVCSS/DOH/MOM Kiosk Equipment Installation (2 nos)	15 22-Jun-17	06-Jul-17	0										i i i			nent Installa	tion (2 n	
	A2720 AVCSS/DOH/MOM Kiosk Equipment Installation (2 nos)	15 22-Jun-17	06-Jul-17	0												1 1 1 1 1	nent Installa	1 1 1	
	A4480 Inbd Coach Kiosks Installation Complete	0 07-Jul-17	00-00-17	0											+ -		omplete, 07	+	03)
	Jnderground Ducting between CUE and Shuttle Bus Kiosk (006)	40 05-Jan-17	13-Feb-17	0								13-Feb					12 1 1 1		Kinck
		40 05-Jan-17	13-Feb-17	0								Cable L							
	Jnderground Ducting between PCB(001) and Inbd Coach Kiosks		04-Jan-17	0								04-Jan-17,						d Coach	h Kior
	A3930 Cable Laying and termination (note: Access Date by C03)	40 26-Nov-16	04-Jan-17 04-Jan-17	0								Cable Layir			17 1 1	1 1 1 1	1° 1 1 1		
Tes	st and Commissioning (Phase 2 / Section III)	203 07-Jul-17	25-Jan-18	0				- +									est and Con	nmissioni	ing (
					li i	i i		1 1 1		i i i	i i i		<u> </u>						
omm	e No.: HZMB-DWP Actual Level of F	Effort Hone	g Kong-Zh	uhai_Ma	icao Ri	ridae								Date		Revision	Ched WC	ked L	Ap

- Actual Work Remaining Work
- Critical Remaining Work
- Milestone summary



С	ontract No.: HY/2	2013/06	Detail Work Programme														
Activ	vity ID	Activity Name	Original		Finish	Total	20	)15			20	016			20	017	
			Duration			Float	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Τ
	😑 A2370	Testing & Commissioning Documents Submission (8 weeks before Testings carried out)	30	30-Aug-17*	28-Sep-17	0										-	
	🔲 A2371	Engineer Approval for T&C Document	14	29-Sep-17	12-Oct-17	0											ļ
	😑 A2373	Initial on-site Testing & Commissioning	98	07-Jul-17	12-Oct-17	0											ė
	🔲 A2380	Site Acceptance Test (SAT)	75	13-Oct-17	26-Dec-17	0											
	🔲 A2390	Operation Acceptance Test (OPT)	30	27-Dec-17	25-Jan-18	0							+		+             	+	-
	n Completie	on (Phase 2 / Section III)	5	26-Jan-18	30-Jan-18	0											
	😑 A2400	AVCSS - Certificate of Completion (Phase 2/Section III)	5	26-Jan-18	30-Jan-18	0											
	😑 A4330	Certificate of Completion Approval by Enginner	0		30-Jan-18	0											1
	Operation	n (Phase 2 / Section III)	0	31-Jan-18	31-Jan-18	365											
	🔲 A2420	Site Operation (Phase 2/Section II & III)	0	31-Jan-18		365											-
	ng Defect Lia	ability Period (DLP)	365	31-Jan-18	30-Jan-19	0											
	🔲 A2430	DLP	365	31-Jan-18	30-Jan-19	0											
	n Documen	t Submission (Phase 2 / Section III)	45	31-Jan-18	16-Mar-18	320											
	🔲 A4340	As-built Drawings and O&M Manual	45	31-Jan-18	16-Mar-18	320											

Actual Level of Effort Actual Work Remaining Work Critical Remaining Work Milestone



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		-	18						)19		12
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Initial	on-site T	Testing &	Co	mmis	sionir	ng					ł
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		tificate o			1 1						r,
	▼ 31-	Jan-18, (	Ope	rațio	h (Ph	ase	2/8	ecti	on¦II	I)	
	🔶 Site	Operati	on (	Phas	e 2/S	Section	on¦ll	& II	), 3	1-¦Ja	a'n-
								30-	Ja'n-	19,	Þ
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		16-Mar-	18,	Doc	umen	t Su	bmis	sion	(Pł	naise	e 2
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Nov-16	Rev	.: U		WC			LC	;			

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Report No.: 0165/15/ED/0591

Appendix D

**Event / Action Plan** 

## Appendix D –

# Event / Action Plan for Air Quality and Noise Monitoring

Event		Ac	tion	
Lvent	ET	IEC	ER	Contractor
Action Level				
1. Exceedance for one sample	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform IEC and ER;</li> <li>Repeat measureme nt to confirm finding;</li> <li>Increase monitoring frequency to daily.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method.</li> </ol>	1. Notify Contractor.	<ol> <li>Rectify any unacceptable practice;</li> <li>Amend working methods if appropriate.</li> </ol>

Event / Action Plan for Air Quality

Event		Ac	tion	
	ET	IEC	ER	Contractor
2. Exceedance for two or more consecutive samples	<ol> <li>Identify source;</li> <li>Inform IEC and ER;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Repeat measurement s to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Discuss with IEC and Contractor on remedial actions required;</li> <li>If exceedanc e continues, arrange meeting with IEC and ER;</li> <li>If exceedanc e stops, cease additional monitoring.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Supervise Implementatio n of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures properly implemented.</li> </ol>	<ol> <li>Submit proposals for remedial to ER within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol>

Event		Ac	tion	
	ET	IEC	ER	Contractor
Limit Level	·	·	·	
1. Exceedance for one sample	<ol> <li>Identify source, investigate the causes of exceedance a nd propose remedial measures;</li> <li>Inform ER, Contractor and EPD;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Supervise implementatio n of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures properly implemented.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol>

Event	Action										
Event	ET	IEC	ER	Contractor							
2. Exceedance for two or more consecutive samples	<ol> <li>Notify IEC, ER, Contractor and EPD;</li> <li>Identify source;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>Arrange meeting with IEC and ER to discuss the remedial actions to be taken;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results;</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Ensure remedial measures properly implemented;</li> <li>If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Resubmit proposals if problem still not under control;</li> <li>Stop the relevant portion of works as determined by the ER until the exceedances abated.</li> </ol>							

Event / Action P	Plan for Construction	Noise Monitoring

Event		Act	ion	
	ET	IEC	ER	Contractor
Action Level	<ol> <li>Notify IEC and Contractor;</li> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Report the results of investigation to the IEC,ER and Contractor;</li> <li>Discuss with th e Contractor and formulate remedial measures;</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> </ol>	<ol> <li>Review the analysed results submitted by the ET;</li> <li>Review the proposed remedial measures by the Contractor and advise the ER accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Require Contractor to propose remedial measures for the analysed noise problem;</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	<ol> <li>Submit noise mitigation proposals to IEC;</li> <li>Implement noise mitigation proposals.</li> </ol>

Event		Act	tion	
210111	ET	IEC	ER	Contractor
Limit Level	<ol> <li>Inform IEC, ER, EPD and Contractor;</li> <li>Identify source;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency;</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>Inform IEC, ER and EPD the causes and actions taken for the exceedances;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results;</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Require Contractor to propose remedial measures for the analysed noise problem;</li> <li>Ensure remedial measures properly implemented;</li> <li>If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Resubmit proposals if problem still not under control;</li> <li>Stop the relevant portion of works as determined by the ER until the exceedance is abated.</li> </ol>

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Appendix E

Waste Flow Table



Contract No. HY/2013/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

## Monthly Summary of Waste Flow Table for 2016 (year)

Name of Person completing the Record: Marko Chan

	Actual Qu	antities of Ine	ert C&D Mater	ials Generate	d Monthly	Actual Quantities of Non-inert C&D Wastes Generated Monthly						
Month	Total Quantity Generated	Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Metals	Paper/ cardboard packaging	Plastics Chemical Waste		Others, e.g. general refuse		
	(1. (2.2.2	(see Note 1)	<i>(</i> ) (222 - 3)	-	<i>(</i> ) (222 - 3)	(in '000 Kg)	(in '000 Kg)	(see Note 2) (in '000 Kg)	(in '000 Kg)			
	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	τ ο,	· •	<b>、 、</b>		(in '000m ³ )		
Jan	0.000	0	0	0	0.000	0	0.992	0	0	0.073		
Feb	0.000	0	0	0	0.000	0	0	0	0	0.093		
Mar	0.087	0	0	0	0.087	0	0.392	0	0	0.200		
Apr	0.184	0	0	0	0.184	0	0.411	0	0	0.224		
May	0.203	0	0	0	0.203	0	0	0	0	0.293		
Jun	0.244	0	0	0	0.244	0	0.413	0	0	0.322		
Jul	2.429	0	0	0	2.429	0	0.419 ⁽³⁾	0	0	0.312		
Aug	0.057	0	0	0	0.057	0	0.340 ⁽⁴⁾	0	0	0.288		
Sept	0.000	0	0	0	0.000	0	0	0	0	0.327		
Oct												
Nov												
Dec												
Total	3.204	0.000	0.000	0.000	3.204	0.000	2.967	0.000	0.000	2.132		

Notes:

- (1) Broken concrete for recycling into aggregates.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.
- (3) 0.419 (in '000 Kg) of paper/cardboard packaging was updated compared to previous monthly report.
- (4) 0.340 (in '000 Kg) of paper/cardboard packaging was updated compared to previous monthly report.

Month	Total Quantity of Excavated Marine Sediment Generated	Reused in this contract	Reused in other Projects	Disposed of at CMP	
	in '000m ³	in '000m ³	in '000m ³	in '000m ³	
Jan	1.950	0	0	1.950	
Feb	2.328	0	0	2.328	
Mar	2.464	0	0	2.464	
Apr	5.602	0	0	5.602	
Мау	0	0	0	0	
Jun	4.584	0	0	4.584	
Jul	10.728	0	0	10.728	
Aug	1.544	0	0	1.544	
Sep	6.816	0	0	6.816	
Oct					
Nov					
Dec					
Total	36.016	0.000	0.000	36.016	

# Monthly Summary of Excavated Marine Sediment for 2016 (year)





Year:2016

### Project name 工程項目名稱:HKBCF-AVCSS HY/2013/06

Location 工程地點:Artifical Island of HKIAP

	Inert C	&D Waste	disposal <u>曈</u> 忄	生廢物(in to	nnes) (see I	Note 1)	dispo 非墮性	n-inert C&D Waste disposal / 非墮性廢物 (in tonnes) Waste to be recycled and returned / 可再循環利用或回收的廢物							 Total Quantity Generated / 總生產量			
Month	Reused in the Work Package (e.g. backfilling) / 再用於工程 (如回塡)		Reused Proje 再用於非	ects /	rubble, fill material		Others, (e.g. general refuse, broken formwork etc) / 其他 (如垃圾, 廢板枋等)				Plastic / 塑膠		Paper/cardboard packaging / 廢紙/包裝紙類				Chemical Waste / 化學廢物	
	(k	o)	(0	c)	(0	(k	(6	e)	(in to	nnes)	(in to	nnes)	(in to	nnes)	(in l	itre)	(a)= (b-	+c+d+e)
	Est./ 估計數量)	Act./ (實際數量)	Est./ 估計數量)	Act./ (實際數量)	Est./ 估計數量)	Act./ (實際數量)	Est./ 估計數量)	Act./ (實際數量)	Est./ 估計數量)	Act./ (實際數量)	Est./ 估計數量)	Act./ (實際數量)	Est./ 估計數量)	Act./ (實際數量)	Est./ 估計數量)	Act./ (實際數量)	Est./ 估計數量)	Act./ (實際數量)
January																		
February																		
March																		
April																		
May																		
June																		
July																		
August																		
September	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.002	0.002	N/A	N/A	0.002	0.002
October																		
November																		
December																		
Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000	0.002	0.002

Notes: (1) The quantitles of C&D Materials, in tonne, was calculated by multiply the estimated volume, in m3, with the density of the soil, which is 1.5 gcm-³.

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Report No.: 0165/15/ED/0591

Appendix F

**Environmental Licenses and Permits** 

# Appendix F - Environmental Permit / Licences Summary for Contract No. HY/2013/03

Iteres		Dama't Na	<b>W</b> 7	Annlingting Dete	James Data	Valid	Date	<u>States</u>	Remark
Item	Permit/Licence Registration	Permit No.	Work Area	Application Date	Issue Date	From	То	Status	
1	Environmental Permit Pursuant to Environmental Impact Assessment Ordinance	EP-353/2009/K	HKBCF	24-Mar-16	11-Apr-16	11-Apr-16	Nil	Valid	
2	Notification Pursuant to Section 3(1) of The Air Pollution Control (Construction Dust) Regulation	Ref No. 387703	Main Site Area	15-Apr-15	15-Apr-15	15-Apr-15	Nil	Valid	
3	Notification Pursuant to Section 3(1) of The Air Pollution Control (Construction Dust) Regulation	Ref No. 387735	Works Area WA3	15-Apr-15	15-Apr-15	15-Apr-15	Nil	Valid	
4	Billing A/C for Construction Waste Disposal Pursuant to Section 6 & 9 of the Waste Disposal (Charges for Disposal of Construction waste) Regulation	A/C No. 7022228	Main Site Area, WA3 & 4	15-Apr-15	06-May-15	06-May-15	Nil	Valid	
5	Registration as Waste Producer Pursuant to Waste Disposal (Chemical Waste) (General) Regulation	5213-951-C1186-28	Main Site Area	28-Apr-15	01-Jun-15	01-Jun-15	Nil	Valid	
6	Registration as Waste Producer Pursuant to Waste Disposal (Chemical Waste) (General) Regulation	5213-974-C3597-03	Works Area WA4	28-Apr-15	01-Jun-15	01-Jun-15	Nil	Valid	
7	Water Discharge License Pursuant to Water Pollution Control Ordinance (Cap 358)	WT00022180-2015	Works Area WA3	29-Apr-15	04-Aug-15	03-Aug-15	31-Aug-20	Valid	
8	Water Discharge License Pursuant to Water Pollution Control Ordinance (Cap 358)	WT00022391-2015	Main Site Area	06-May-15	04-Sep-15	04-Sep-15	30-Sep-20	Valid	
9	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0607-16	Main Site Area	02-Jun-16	16-Jun-16	19-Jun-16	18-Sep-16	Superseded	
10	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	PP-RS0020-16	Portion A, G & H	13-Jul-16	27-Jul-16	28-Jul-16	24-Jan-17	Superseded	
11	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0933-16	Main Site Area	18-Aug-16	01-Sep-16	05-Sep-16	31-Dec-16	Valid	
12	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0960-16	Main Site Area	06-Sep-16	15-Sep-16	19-Sep-16	18-Dec-16	Valid	
13	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	PP-RS0028-16	Portion A, G, H & N	15-Sep-16	29-Sep-16	03-Oct-16	02-Apr-17	Valid from 03-Oct-16	

# (update: 03/10/2016)

14	Permit issued Under the Dumping at Sea Ordinance	EP/MD/17-088	East of Sha Chau (CMP Vd)	16-Aug-16	26-Aug-16	01-Sep-16	30-Sep-16	Valid until 30-Sep-16
15	Permit issued Under the Dumping at Sea Ordinance	EP/MD/17-105	East of Sha Chau (CMP Vd)	15-Sep-16	27-Sep-16	01-Oct-16	31-Oct-16	Valid from 01-Oct-16

# Environmental Permit / Licences Summary for Contract No. HY/2013/06 within the HY/2013/03 site works area

Itam	Denneit/Lienee Denistration	Downeit No.	Work Area	Application Date	Issue Date	Valid Date		Status	Remark
Item	Permit/Licence Registration	Permit No.				From	То	Status	
1	Environmental Permit	EP-353/2009/K	HKBCF	24-Mar-16	11-Apr-16	11-Apr-16	Nil	Valid	
1	Pursuant to Environmental Impact Assessment Ordinance	EI -333/2007/K							
	Billing A/C for Construction Waste Disposal								
2	Pursuant to Section 6 & 9 of the Waste Disposal (Charges for	A/C No. 7023015	Main Site Area	07-Aug-15	20-Aug-15	20-Aug-15	Nil	Valid	
	Disposal of Construction waste) Regulation								

# (update: 03/10/2016)

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Report No.: 0165/15/ED/0591

Appendix G

Implementation Schedule for Environmental Mitigation Measures (EMIS)

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
Air Quality	iter.		measures	
S5.5.6.1	A1	1) The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	All construction sites	V
S5.5.6.2	A2	<ul> <li>2) Proper watering of exposed spoil should be undertaken throughout the construction phase:</li> <li>Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;</li> <li>Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;</li> <li>A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones.</li> <li>The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;</li> <li>Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores;</li> </ul>	All construction sites	V
\$5.5.6.2	A2	<ul> <li>When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period;</li> <li>The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials,</li> <li>Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously;</li> <li>Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;</li> <li>Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided from the first floor level up to the highest level of the scaffolding;</li> <li>Any skip hoist for material transport should be totally enclosed by impervious sheeting;</li> <li>Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the</li> </ul>	All construction sites	V
S5.5.6.2	A2	<ul> <li>top</li> <li>Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed;</li> <li>Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally</li> </ul>	All construction sites	N/A

### Appendix G – Implementation Schedule of Environmental Mitigation Measures (EMIS)

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		<ul> <li>enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and</li> <li>Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site r part of the construction site where the exposed earth lies</li> </ul>		
S5.5.6.3	A3	<ol> <li>The Contractor should undertake proper watering on all exposed spoil (with at least 8 times per day) throughout the construction phase.</li> </ol>	All construction sites	V
S5.5.6.4	A4	4) Engineer to incorporate the controlled measures into the Particular Specification (PS) for the civil work. The PS should also draw the contractor's attention to the relevant latest Practice Notes issued by EPD.	All construction sites	V
S5.5.6.4	A5	5) Implement regular dust monitoring under EM&A programme during the construction stage.	Selected Represent- ative dust monitoring station	V
S5.5.7.1	A6	<ul> <li>The following mitigation measures should be adopted to prevent fugitive dust emissions for concrete batching plant;</li> <li>Loading, unloading, handling, transfer or storage of any dusty materials should be carried out in totally enclosed system;</li> <li>All dust-laden air or waste gas generated by the process operations should be properly extracted and vented to fabric filtering system to meet the emission limits for TSP;</li> <li>Vents for all silos and cement/pulverised fuel ash (PFA) weighing scale should be fitted with fabric filtering system;</li> <li>The materials which may generate airborne dusty emissions should be wetted by water spray system;</li> <li>All conveyor transfer points should be totally enclosed;</li> <li>All access and route roads within the premises should be paved and wetted; and</li> <li>Vehicle cleaning facilities should be provided and used by all concrete trucks before leaving the premises to wash off any dust on the wheels and/or body</li> </ul>	Selected Represent- ative dust monitoring station	N/A
\$5.5.2.7	A7	<ul> <li>The following mitigation measures should be adopted to prevent fugitive dust emissions at barging point:</li> <li>All road surface within the barging facilities will be paved;</li> <li>Dust enclosures will be provided for the loading ramp;</li> <li>Vehicles will be required to pass through designated wheels wash facilities; and</li> <li>Continuous water spray at the loading points</li> </ul>	All construction sites	V
Construction			A 11	V
S6.4.10	N1	<ol> <li>Use of good site practices to limit noise emissions by considering the following:</li> <li>only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme;</li> <li>machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;</li> <li>plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;</li> <li>silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works;</li> </ol>	All construction sites	v

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		<ul> <li>mobile plant should be sited as far away from NSRs as possible and practicable;</li> <li>material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.</li> </ul>		
S6.4.11	N2	2) Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period.	All construction sites	V
S6.4.12	N3	3) Install movable noise barriers (typically density@14kg/m acoustic mat or full enclosure close to noisy plants including compressor, generators, saw.	For plant items listed in Appendix 6D of the EIA report at all construction sites	N/A
S6.4.13	N4	<ul> <li>4) Select "Quiet plants" which comply with the BS 5228 Part</li> <li>1 or TM standards.</li> </ul>	For plant items listed in Appendix 6D of the EIA report at all construction site	V
S6.4.14	N5	5) Sequencing operation of construction plants where practicable	All construction sites where practicable	V
S5.1	N6	6) Implement a noise monitoring under EM&A programme.	Selected representat- ive noise monitoring station	V
Sediment			I	L
S7.3	S1	1) The requirements as recommended in ETWB TC 34/2002 Management of Dredged/Excavated Sediment shall be included in the Particular Specification as appropriate.	All construction sites	V
		Construction Waste)		
S8.3.8	WM1	<ul> <li><u>Construction and Demolition Material</u> The following mitigation measures should be implemented in handling the waste:</li> <li>Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement;</li> <li>Carry out on-site sorting;</li> <li>Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate;</li> <li>Implement a trip-ticket system for each works contract to ensure that the disposal of C&amp;D materials are properly documented and verified; and</li> <li>Implement an enhanced Waste Management Plan similar to E7WBTC (Works) No. 19/2005 - "Environmental Management on Construction Sites" to encourage on-site sorting of C&amp;D materials and to minimize their generation during the course of construction.</li> <li>In addition, disposal of the C&amp;D materials onto any sensitive locations such as agricultural lands, etc. should be avoided. The Contractor shall propose the final</li> </ul>	All construction sites	V

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		disposal sites to the Project Proponent and get its		
\$8.3.9- \$8.3.11	WM2	<ul> <li>approval before implementation</li> <li><u>C&amp;D</u> Waste</li> <li>Standard formwork or pre-fabrication should be used as far as practicable in order to minimise the arising of C&amp;D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage.</li> <li>The Contractor should recycle as much of the C&amp;D materials as possible on-site. Public fill and C&amp;D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such</li> </ul>	All construction sites	V
\$8.2.12- \$8.3.15	WM3	<ul> <li>segregation and storage.</li> <li><u>Chemical Waste</u></li> <li>Chemical waste that is produced, as defined by Schedule <ol> <li>of the Waste Disposal (Chemical Waste) (General)</li> <li>Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.</li> <li>Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD; and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation.</li> <li>The storage area for chemical wastes should be clearly labeled and used solely for the storage of chemical waste; enclosed on at least 3 sides; have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20 % of the total volume of waste stored in that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated.</li> <li>Disposal of chemical waste should be via a licensed waste collector; be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers chemical waste collection service and can supply the necessary storage containers; or be to a reuser of the waste, under approval from the EPD.</li> </ol></li></ul>	All construction sites	V
S8.3.16	WM4	<ul> <li>Sewage</li> <li>Adequate numbers of portable toilets should be provided for the workers. The portable toilets should be maintained in a state which will not deter the workers from utilizing these portable toilets. Night soil should be collected by licensed collectors regularly.</li> </ul>	All construction sites	V
S8.3.17	WM5	<ul> <li>General Refuse</li> <li>General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes.</li> <li>A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by</li> </ul>	All construction sites	V

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		law.		
		Aluminium cans are often recovered from the waste		
		stream by individual collectors if they are segregated and		
		made easily accessible. Separate labelled bins for their		
		deposit should be provided if feasible.		
		· Office wastes can be reduced through the recycling of		
		paper if volumes are large enough to warrant collection.		
		Participation in a local collection scheme should be		
		considered by the Contractor.		
		Training should be provided to workers about the		
		concepts of site cleanliness and appropriate waste		
		management procedure, including reduction, reuse and		
		recycling of wastes.		
		uction Phase)		
S9.11.1.7	W2	Land Works	Land-based	V
		General construction activities on land should also be	works area	
		governed by standard good working practice. Specific measures to be written into the works contracts should		
		include:		
		wastewater from temporary site facilities should be		
		controlled to prevent direct discharge to surface or marine		
		waters;		
		sewage effluent and discharges from on-site kitchen		
		facilities shall be directed to Government sewer in		
		accordance with the requirements of the WPCO or		
		collected for disposal offsite. The use of soakaways shall		
		be avoided;		
		storm drainage shall be directed to storm drains via		
		adequately designed sand/silt removal facilities such as		
		sand traps, silt traps and sediment basins. Channels,		
		earth bunds or sand bag barriers should be provided on		
		site to properly direct stormwater to such silt removal		
		facilities. Catchpits and perimeter channels should be		
		constructed in advance of site formation works and		
		earthworks;		
		• silt removal facilities, channels and manholes shall be		
		maintained and any deposited silt and grit shall be		
		removed regularly, including specifically at the onset of		
		<ul><li>and after each rainstorm;</li><li>temporary access roads should be surfaced with crushed</li></ul>		
		stone or gravel;		
		<ul> <li>rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via</li> </ul>		
		silt removal facilities;		
		• measures should be taken to prevent the washout of		
		construction materials, soil, silt or debris into any drainage		
		system;		
		open stockpiles of construction materials (e.g. aggregates		
		and sand) on site should be covered with tarpaulin or		
		similar fabric during rainstorms;		
		manholes (including any newly constructed ones) should		
		always be adequately covered and temporarily sealed so		
		as to prevent silt, construction materials or debris from		
		getting into the drainage system, and to prevent storm		
		run-off from getting into foul sewers;		
		<ul> <li>discharges of surface run-off into foul sewers must always</li> </ul>		
		be prevented in order not to unduly overload the foul		
		sewerage system;		
S9.11.1.7	W2	all vehicles and plant should be cleaned before they leave	Land-based	V
		the construction site to ensure that no earth, mud or	works area	
		debris is deposited by them on roads. A wheel washing		
		bay should be provided at every site exit;		
		· wheel wash overflow shall be directed to silt removal		
		facilities before being discharged to the storm drain;		
		• the section of construction road between the wheel		

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		washing bay and the public road should be surfaced with		
		crushed stone or coarse gravel; • wastewater generated from concreting, plastering,		
		Internal decoration, cleaning work and other similar		
		activities, shall be screened to remove large objects;		
		• vehicle and plant servicing areas, vehicle wash bays and		
		lubrication facilities shall be located under roofed areas.		
		The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with		
		the requirements of the WPCO or collected for off site disposal;		
		<ul> <li>the contractors shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately;</li> </ul>		
		<ul> <li>waste oil should be collected and stored for recycling or</li> </ul>		
		disposal, in accordance with the Waste Disposal Ordinance;		
		• all fuel tanks and chemical storage areas should be		
		provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a		
		capacity equal to 110% of the storage capacity of the		
		largest tank; and		
		• surface run-off from bunded areas should pass through		
		oil/grease traps prior to discharge to the stormwater		
Ecology (Co	onstruction	system.		
S10.7	E4	Watering to reduce dust generation; prevention of siltation	Land-based	V
		of freshwater habitats; Site runoff should be desilted, to	works areas	
		reduce the potential for suspended sediments, organics		
		and other contaminants to enter streams and standing freshwater		
S10.7	E5	Good site practices, including strictly following the	Land-based	V
01011	20	permitted works hours, using quieter machines where	works areas	•
		practicable, and avoiding excessive lightings during night		
0.40 7	50	time		
S10.7	E8	Control vessel speed     Chinese training	Marine Traffic	V
		<ul> <li>Skipper training</li> <li>Predefined and regular routes for working vessels; avoid</li> </ul>	Tranic	
		Brother Islands.		
Fisheries				
S11.7	F4	Maritime Oil Spill Response Plan (MOSRP);	HKBCF	V
		Contingency plan.		
		Detailed Design Phase)		
S14.3.3.1	LV1	General design measures include: • Roadside planting and planting along the edge of the	HKBCF	V
		HKBCF Island is proposed;		
		Transplanting of mature trees in good health and amenity		
		value where appropriate and reinstatement of areas		
		disturbed during construction by compensatory hydro-		
		seeding and planting;		
		<ul> <li>Protection measures for the trees to be retained during construction activities;</li> </ul>		
		Optimizing the sizes and spacing of the bridge columns;		
		· Fine-tuning the location of the bridge columns to avoid		
		visually-sensitive locations;		
		• Providing planting area around peripheral of HKBCF for		
		tree planting screening effect;		
		<ul> <li>Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline;</li> </ul>		
		• For HKBCF, providing aesthetic architectural design on		
		the related buildings (e.g. similar materials for PCB		
		building facade to Airport buildings, roof planting and		
		subtle materials for other facilities buildings and so on),		
		and the related infrastructure (e.g. parapet planting and		l

EIA Ref.	EM&A Log	Recommended Mitigation Measures	Location of the	Implementation Status
	Ref.		measures	
		transparent cover for elevated footbridges) to provide harmonious atmosphere of the HKBCF; and • Fine-tuning the sizes of the structural members to		
		minimize the bulkiness of buildings and adjustment of		
		building arrangement to minimise disturbance to		
		surrounding vegetation in the HKBCF.		
Landscape	& Visual ((	Construction Phase)		
			HKBCE	NI/A
S14.3.3.3	LV2	<ul> <li>Mitigate both Landscape and Visual Impacts</li> <li>G1. Grass-hydroseed bare soil surface and stock pile areas.</li> <li>G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge footbridge to screen bridge and traffic.</li> <li>G3. Not applicable as this is for HKLR.</li> <li>G4. For HKBCF, providing aesthetic architectural design on the related buildings (e.g. similar materials for PCB building facade to Airport buildings, roof planting and subtle materials for other facilities buildings and so on), and the related infrastructure (e.g. parapet planting and transparent cover for elevated footbridges) to provide harmonious atmosphere of the HKBCF</li> <li>G5. Vegetation reinstatement and upgrading to disturbed areas</li> <li>G6. Maximizing new tree shrub and other vegetation planting to compensate tree felled and vegetation removed</li> <li>G7. Providing planting area around peripheral of HKBCF for tree planting screening effect;</li> <li>G8. Plant salt-tolerant native and shrubs etc along the planter strip at affected seawall.</li> <li>G9. Reserve of loose natural granite rocks for re-use, Provide new coastline to adopt "natural-look" by means of using armour rocks in the form of natural rock materials and planting strip area accommodating</li> </ul>	HKBCF	N/A
S14.3.3.3	LV3	screen buffer to enhance "natural-look" of the new coastline. Mitigate Visual Impacts	HKBCF	N/A
		<ul> <li>W1. Minimize time for construction activities during construction period.</li> <li>V2. Provide screen hoarding at the portion of the project site / works areas / storage areas near VSRs who have close low-level views to the Project during HKBCF construction.</li> </ul>		
EM&A				
\$15.2.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual	All construction sites	V
S15.5 – S15.6	EM2	<ol> <li>An Environmental Team needs to be employed as per the EM&amp;A Manual.</li> <li>Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures.</li> <li>An environmental impact monitoring needs to be implementing by the Environmental Team to ensure all the requirements given in the EM&amp;A Manual are fully complied with.</li> </ol>	All construction sites	V

Legend: V = implemented;

N/A = not applicable

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Report No.: 0165/15/ED/0591

Appendix H

Statistics on Environmental Complaints, Notification of Summons and Successful Prosecutions

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Report No.: 0165/15/ED/0591

Appendix H –

Statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

#### For Contract No. HY/2013/03

		<b>Cumulative Statistics</b>	
Reporting Period	Complaints	Notifications of	Successful
		Summons	Prosecutions
This reporting period	1	0	0
From commencement	2	0	0
date of construction to			
end of reporting month			

#### For Contract No. HY/2013/06 within Contract No. HY/2013/03 works area

		<b>Cumulative Statistics</b>	
Reporting Period	Complaints	Notifications of	Successful
		Summons	Prosecutions
This reporting period	0	0	0
From commencement date of construction to end of reporting month	0	0	0

Room 723 & 725, 7/F, Block B, Profit Industrial Building, 1-15 Kwai Fung Crescent, Kwai Fong, Hong Kong.

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Report No.: 0165/15/ED/0591

Appendix I

**Environmental Site Inspection Schedule** 

Room 723 & 725, 7/F, Block B, Profit Industrial Building, 1-15 Kwai Fung Crescent, Kwai Fong, Hong Kong.

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Report No.: 0165/15/ED/0591

### Contract No. HY/2013/03

### HZMB HKBCF – Vehicle Clearance Plazas and Ancillary Buildings and Facilities Weekly Environmental Site Inspection Schedule

#### Environmental Site Inspection Schedule for September 2016

			Sep-2016			
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 Environmental Site Inspection	2	3
4	5	6	7	8 Environmental Site Inspection	9	10
11	12	13	14	15 Environmental Site Inspection	<mark>16</mark> Public Holiday	17
18	19	20	21	22 Environmental Site Inspection	23	24
25	26	27	28 Environmental Site Inspection	29	30	

#### Tentative Environmental Site Inspection Schedule for October 2016

		•	Oct-2016			
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 Public Holiday
2	3	4	5	6 Environmental Site Inspection	7	8
9	10 Public Holiday	11	12	13 Environmental Site Inspection	14	15
16	17	18	19	20	21 Environmental Site Inspection	22
23	24	25	26	27 Environmental Site Inspection	28	29
30	31					

Room 723 & 725, 7/F, Block B, Profit Industrial Building, 1-15 Kwai Fung Crescent, Kwai Fong, Hong Kong.

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Report No.: 0165/15/ED/0591

### Contract No. HY/2013/06 (within Contract No. HY/2013/03 works area) HZMB HKBCF – Automatic Vehicle Clearance Support System Weekly Environmental Site Inspection Schedule

#### **Environmental Site Inspection Schedule for September 2016**

Sep-2016									
Sun	Mon	Tue	Wed	Thu	Fri	Sat			
				1	2	3			
4	5	6	7	8	9	10			
11	12	13	14	15 Environmental Site Inspection	16 Public Holiday	17			
18	19	20	21	22 Environmental Site Inspection	23	24			
25	26	27	28 Environmental Site Inspection	29	30				

#### Tentative Environmental Site Inspection Schedule for October 2016

Oct-2016										
Sun	Mon	Tue	Wed	Thu	Fri	Sat				
						1 Public Holiday				
2	3	4	5	6 Environmental Site Inspection	7	8				
9	10 Public Holiday	11	12	13 Environmental Site Inspection	14	15				
16	17	18	19	20	21 Environmental Site Inspection	22				
23	24	25	26	27 Environmental Site Inspection	28	29				
30	31									