

Ref.: HYDHZMBEEM00_0_5163L.17

14 March 2017

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 Monthly Environmental Monitoring & Audit Report for February 2017

Reference is made to the Environmental Team's submission of Monthly Environmental Monitoring & Audit Report for February 2017 (Rev. 1) certified by the ET Leader (ET's ref.: "MCL/ED/0153/2017/C" dated 14 March 2017) and provided to us via e-mail on 14 March 2017.

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.

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

Raymond Dai Independent Environmental Checker

c.c.

HyD HyD

MCL

CHEC

Mr. Vico Cheung Mr. Ken Woo Mr. Arthur Cheng Mr. Johnason Ko (By Fax: 3188 6614) (By Fax: 3188 6614) (By Fax: 2450 8032) (By Fax: 2887 3014)

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 14 March 2017 Our Ref. MCL/ED/0153/2017/C

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 – Vehicle Clearance Plazas and Ancillary Buildings and Facilities (Contract No. HY/2013/03)

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 February 2017 (Rev.1) for your verification.

Should you require further information, please do not hesitate to contact our Miss Jamie Tam at 3565 4157 or the undersigned at 3565 4115.

Yours faithfully, for and on behalf of MATERIALAB CONSULTANTS LIMITED

Arthur Cheng Environmental Team Leader

AC/jt

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

A Member of the Fugro Group

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Report No.: 0165/15/ED/0728

MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT (Rev. 1)

February 2017

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/0728

Jamie Tam Prepared by:

Reviewed by: Bong Yu

Certified by:

Arthur Cheng **Environmental Team Leader**

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Report No.: 0165/15/ED/0728

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Report No.: 0165/15/ED/0728

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.

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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 18th Monthly EM&A Report for the Contract which summaries findings of the EM&A programme during the reporting period from 01 February 2017 to 28 February 2017 (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 01 February 2017 to 28 February 2017) (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/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 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: 02, 09, 16 and 24 February 2017.

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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 were no complaints received in relation to the environmental impact during the reporting period.

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

- 1. Building at Portion A1, B, G, N, J, STP & Pumping Stations;
- 2. Piling at Box Culvert B & Sign Gantry;
- 3. CUE Construction at Portion B, C & J;
- 4. Drainage & Sewerage Work, Water Main & Cable Duct at Portion B, H1, H2, J, P, G & A1;
- 5. Radiation Screen Wall at Portion B, E, P, N, M, C;
- 6. Sign Gantry Footing at Portion B;
- 7. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert C at Portion G;
- 8. Bridge Works at A1 to A9;
- 9. Site Foundation Works at Portion K;
- 10. Cover Walkway at Portion H1 & H2;
- 11. Box Culvert B at Portion N which will be in contact with water; Shuttle kiosk & Subway at Portion E;
- 12. 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

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- 1. Installation of conceal conduit at Building 009, 027, 028, 029; and
- 2. Installation of surface conduit and cabling works at Building 037.

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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 eighteenth 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 February 2017 to 28 February 2017 (reporting period) under Contract No. HY/2013/03 (from 01 February 2017 to 28 February 2017 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 Con	tact Persons	and	Telephone	Numbers	of	Key	Personnel	(for	Contract	No.
HY/2013/03)			-			-		-		

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	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

- 1. Building at Portion A1, B, G, N, J, STP & Pumping Stations;
- 2. Piling at Box Culvert B & Sign Gantry;
- 3. CUE Construction at Portion B, C & J;
- 4. Drainage & Sewerage Work, Water Main & Cable Duct at Portion B, H1, H2, J, P, G & A1;
- 5. Radiation Screen Wall at Portion B, E P, N,M,C;
- 6. Sign Gantry Footing at Portion B;
- 7. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert C at Portion G;

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- 8. Bridge Works at A1 to A9;
- 9. Site Foundation Works at Portion K;
- 10. Cover Walkway at Portion H1 & H2;
- 11. Box Culvert D at Portion A1; Shuttle kiosk & Subway at Portion E; and
- 12. 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. Installation of conceal conduit at Building 009, 027, 028, 029.
- 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 were 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 were 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 exceedances 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

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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 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 exceedance was 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 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.
- 6.1.2 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 February 2017. The summary of marine sediment disposed up to end February 2017 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
Oct 2016	1.096	2.376	5.286	8.758
Nov 2016	0.000	0.000	0.000	0.000
Dec 2016	1.568	4.960	2.538	9.066
Cat L in Dec 2016	0.000	2.792	3.570	6.362
Sub-Total	18.520	46.144	35.452	100.116
Jan 2017	0.000	0.656	6.552	7.208
Feb 2017	0.088	0.264	1.380	1.732
Total	18.608	47.064	43.384	109.056

Note: All sediments are in Type II disposal method except Cat L (in Type I)

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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 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) were conducted on 02, 09, 16 and 24 February 2017 by the representatives of Engineer, Contractor, ET and IEC (IEC for 24 February 2017).
- 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

26 Jan 2017

- 1. CHEC was reminded to improve housekeeping at CUE works area and STP works area. Subsequently, housekeeping was improved at CUE works area and STP works area. The observation was closed on 02 February 2017.
- 2. CHEC was reminded to remove chemical container at STP works area. Subsequently, chemical container was removed at STP works area. The observation was closed on 02 February 2017.
- 3. CHEC was reminded to remove stagnant water at drip tray for generator at STP works area. Subsequently, stagnant water at drip tray for generator was removed at STP works area. The observation was closed on 02 February 2017.
- 4. CHEC was reminded to remove stagnant water at Building 037. Subsequently, stagnant water at Building 037 was removed. The observation was closed on 02 February 2017.

<u>02 Feb 2017</u>

- 1. CHEC was reminded to clean the general refuse at CUE works area and Building 037. Subsequently, the general refuse at CUE works area and Building 037 was removed. The observation was closed on 09 February 2017.
- 2. CHEC was reminded to clean the food waste at Building 037 and 040. Subsequently, the food waste at Building 037 and 040 was removed. The observation was closed on 09 February 2017.

09 Feb 2017

- 1. CHEC was reminded to remove stagnant water at CUE works area. Subsequently, stagnant water at CUE works area was removed. The observation was closed on 16 February 2017.
- 2. CHEC was reminded to clean the general refuse at CUE works area. Subsequently, the general refuse at CUE works area was removed. The observation was closed on 16 February 2017.

<u>16 Feb 2017</u>

- 1. CHEC was reminded to remove stagnant water accumulated at Building 037. Subsequently, stagnant water at Building 037 was removed. The observation was closed on 24 February 2017.
- 2. CHEC was reminded to increase watering at hard roads at CUE works area. Subsequently, watering was increased at hard roads at CUE works area. The observation was closed on 24 February 2017.

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24 Feb 2017

- 1. CHEC was reminded to provide drip tray for chemical containers. Follow-up actions for outstanding observation will be checked in the upcoming site inspections and reported in the coming reporting period.
- 2. CHEC was reminded to provide maintenance for a generator in A8 Bridge which emitted smoke. Follow-up actions for outstanding observation will be checked in the upcoming site inspections and reported in the coming reporting period.
- 3. CHEC was reminded to remove stagnant water onsite. Follow-up actions for outstanding observation will be checked in the upcoming site inspections and reported in the coming reporting period.
- 4. CHEC was reminded to remove general refuse accumulated at Box Culvert B. 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

02 Feb 2017 1. Nil findings.

09 Feb 2017 1. Nil findings.

<u>16 Feb 2017</u> 1. Nil findings.

<u>24 Feb 2017</u> 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 0.264 (in'000m³) of excavated marine sediment (from Contract No. HY/2013/03), 0.000 (in'000m³) of Inert C & D Wastes and 0.585 (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 (in tonnes) 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.

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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**. The Contractor of Contract No. HY/2013/06 was advised to register as a chemical waste producer when chemical waste is expected to generate for the foreseeable future from the operations (For Registration as Waste Producer Pursuant to Waste Disposal (Chemical Waste) (General) Regulation).

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 February 2017 would be provided to ER, ETL, IEC/ENPO for checking within the month of March 2017.
- 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.

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7.6 Summary of Complaints, Notification of Summons and Successful Prosecution

- 7.6.1 There were no complaints received in relation to the environmental impact during the reporting period. The details of cumulative statistics of Environmental Complaints are provided in **Appendix H**.
- 7.6.2 There was no notification for summons or prosecutions received in relation to the environmental impact during this reporting period.
- 7.6.3 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 March 2017:

For Contract No. HY/2013/03

- 1. Building at Portion A1, B, G, N, J, STP & Pumping Stations;
- 2. Piling at Box Culvert B & Sign Gantry;
- 3. CUE Construction at Portion B, C & J;
- 4. Drainage & Sewerage Work, Water Main & Cable Duct at Portion B, H1, H2, J, P, G & A1;
- 5. Radiation Screen Wall at Portion B, E, P, N, M, C;
- 6. Sign Gantry Footing at Portion B;
- 7. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert C at Portion G;
- 8. Bridge Works at A1 to A9;
- 9. Site Foundation Works at Portion K;
- 10. Cover Walkway at Portion H1 & H2;
- 11. Box Culvert B at Portion N which will be in contact with water; Shuttle kiosk & Subway at Portion E; and
- 12. 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. Installation of conceal conduit at Building 009, 027, 028, 029; and
- 2. Installation of surface conduit and cabling works at Building 037.

8.2 Environmental Site Inspection Schedule for the Coming Month

8.2.1 The tentative schedule for weekly site inspections for March 2017 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 02, 09, 16 and 24 February 2017. Recommendations on remedial actions were given to the Contractor for the deficiencies identified during the site inspections.
- 9.8 There were no complaints received in relation to the environmental impact during the reporting period.
- There were no notifications of summons or prosecutions received during the reporting period. 9.9

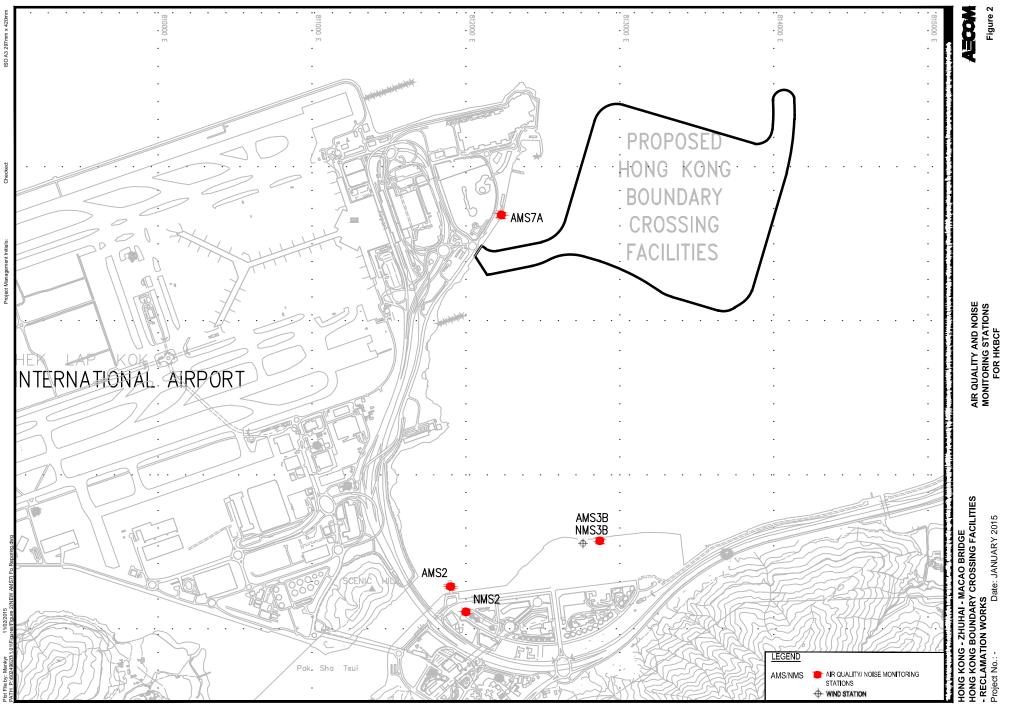
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Figure 1

Air Quality Monitoring Stations



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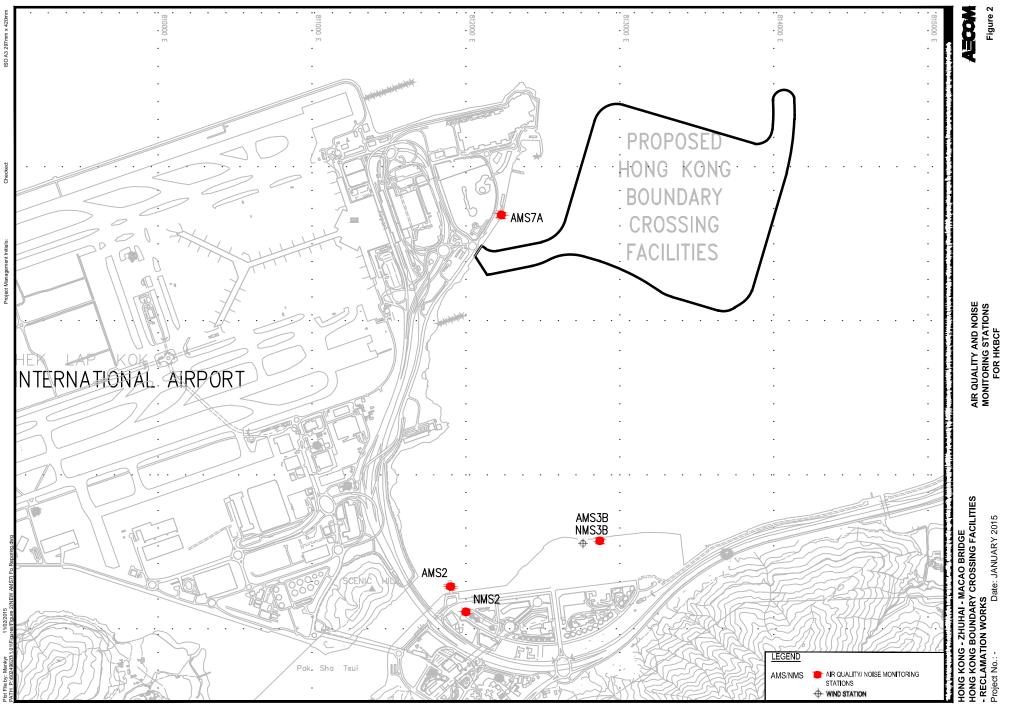
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Figure 2

Noise Monitoring Stations



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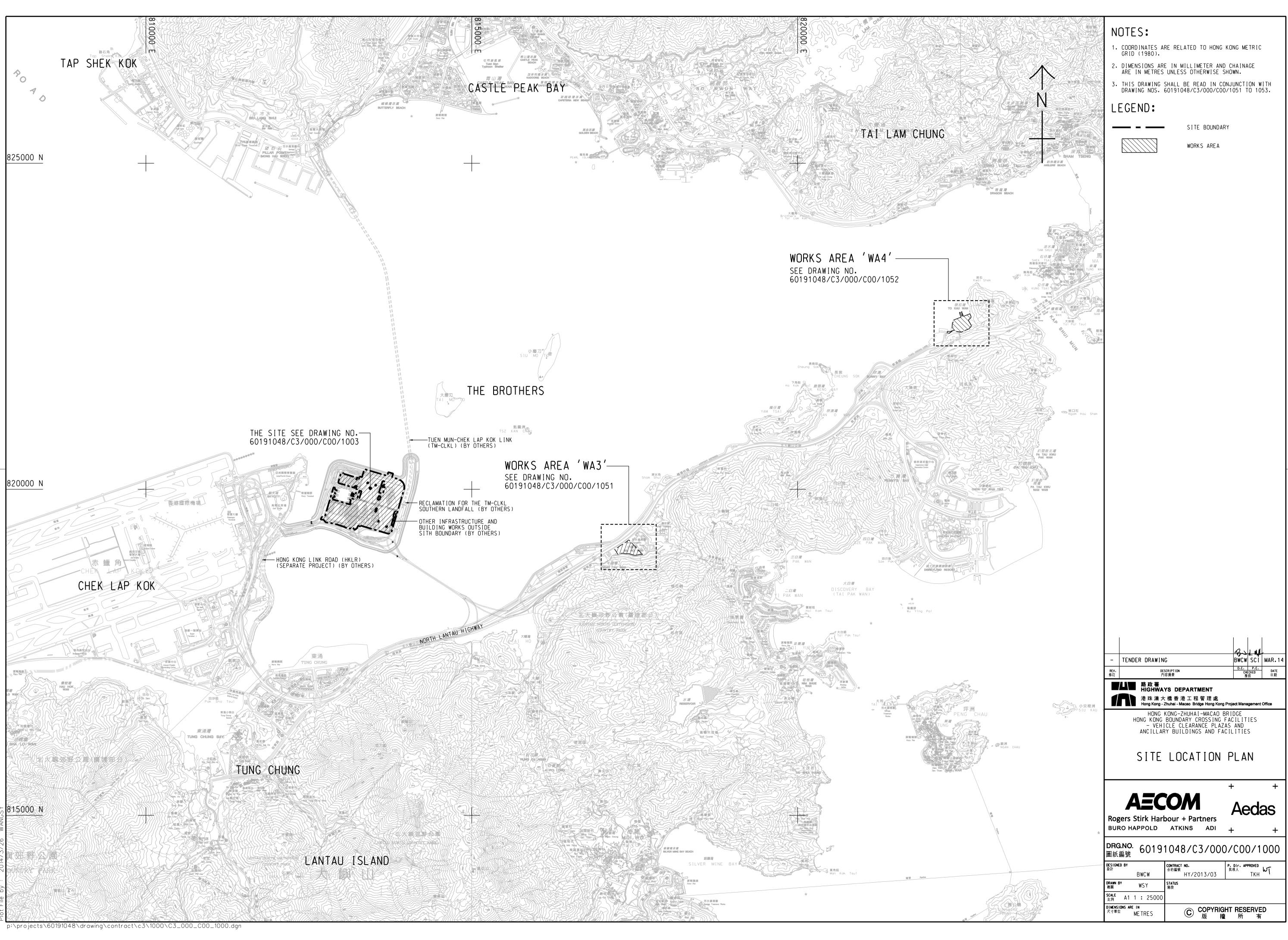
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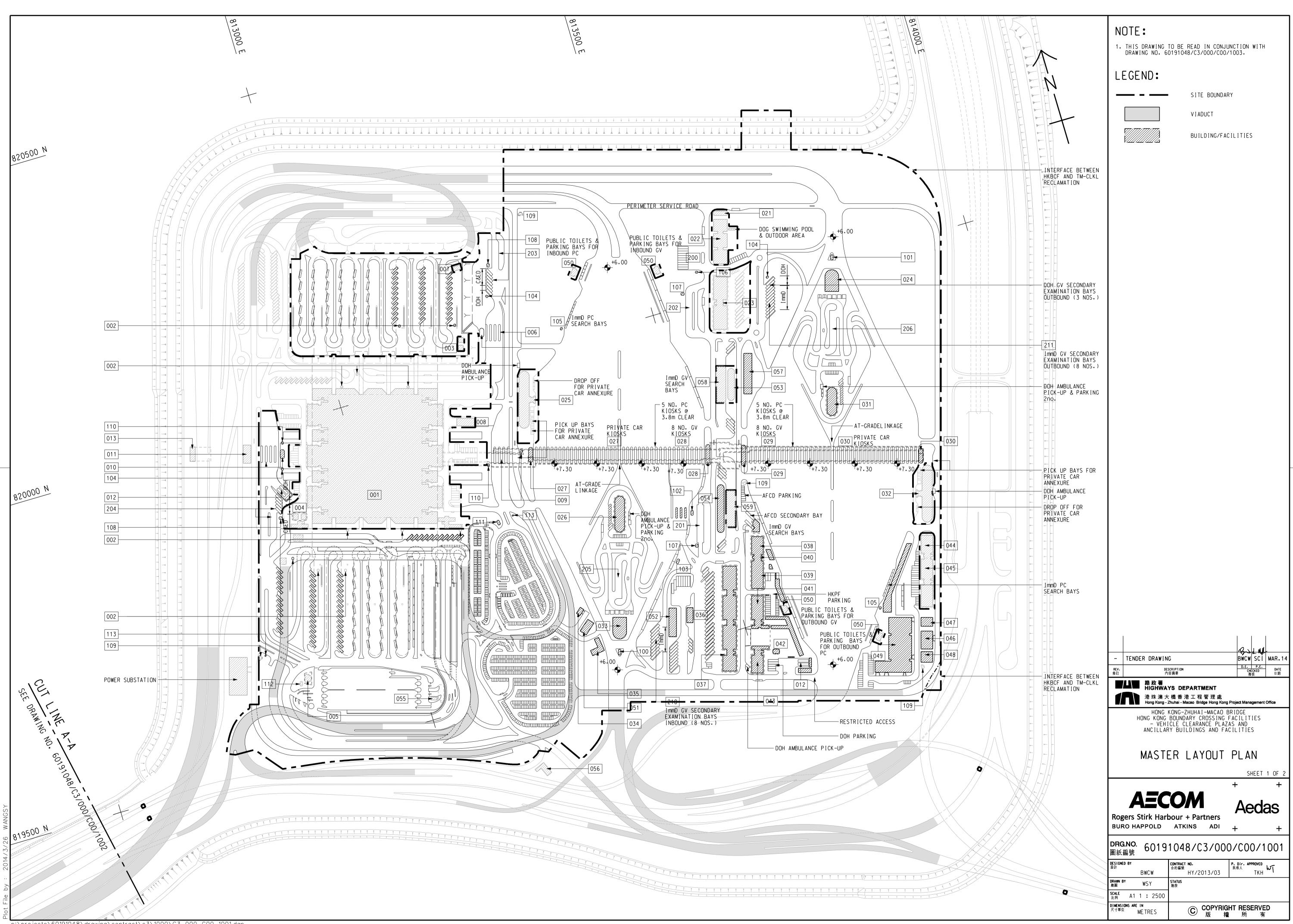


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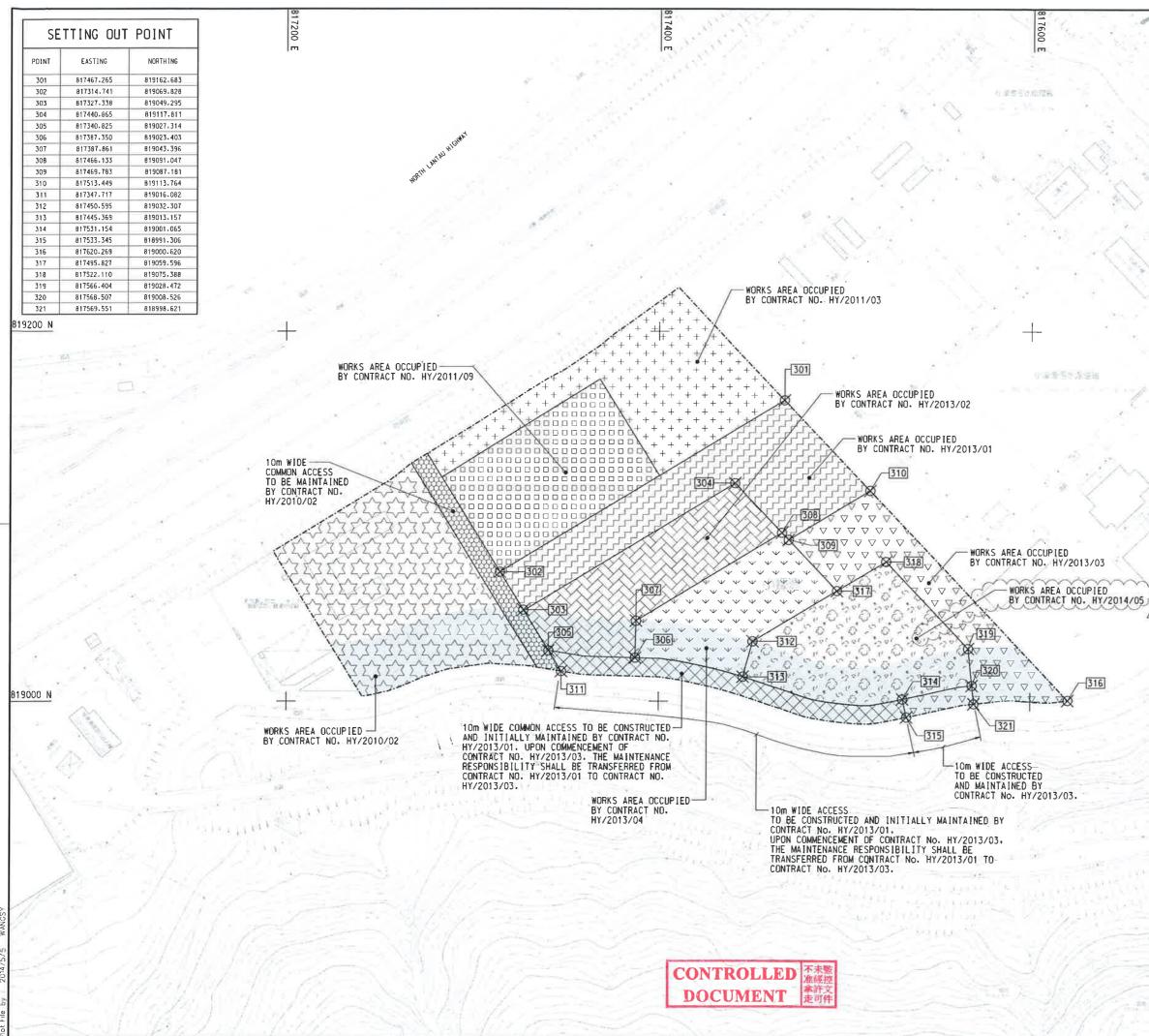
Appendix A

Location of Works Areas





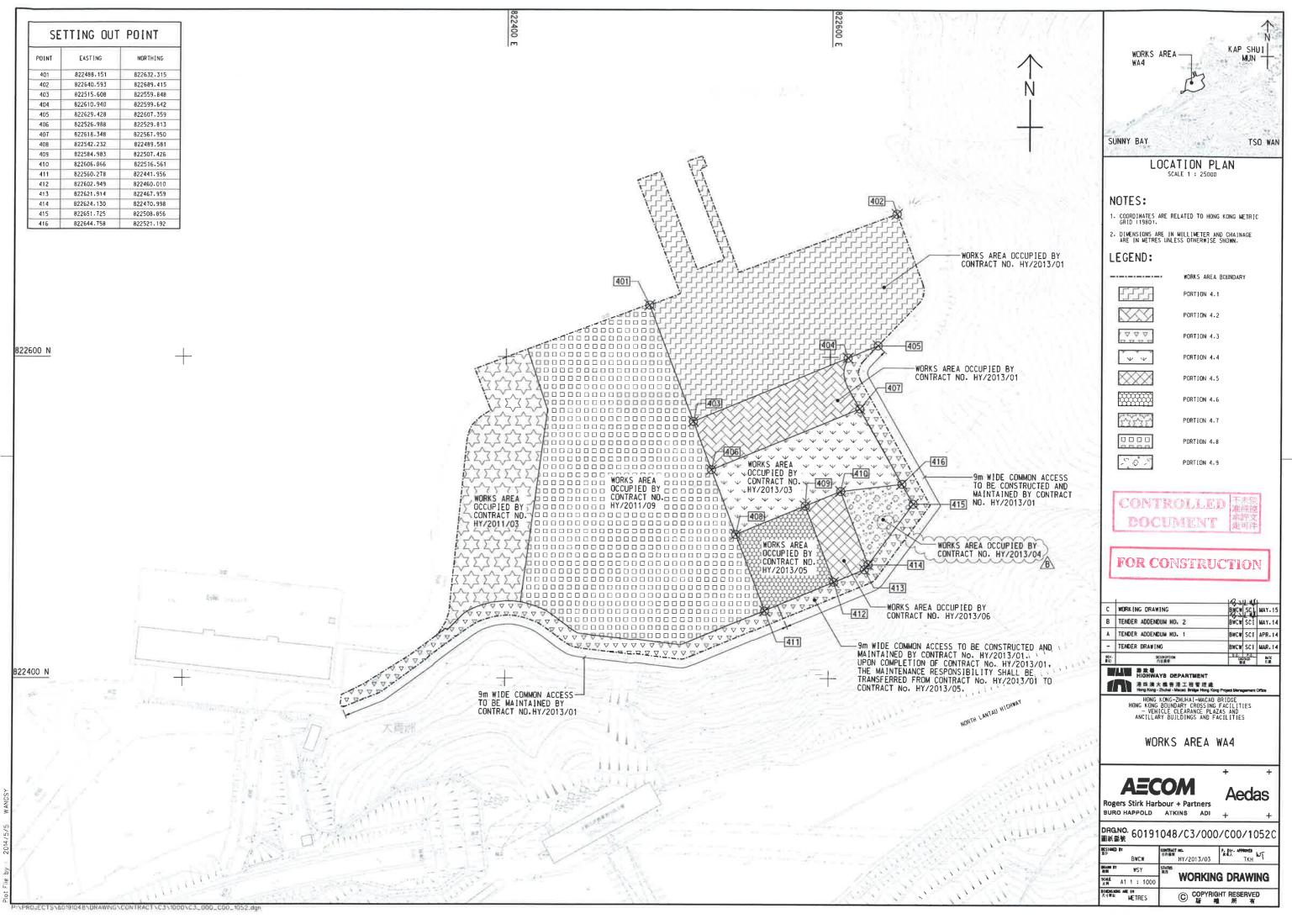
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Appendix B

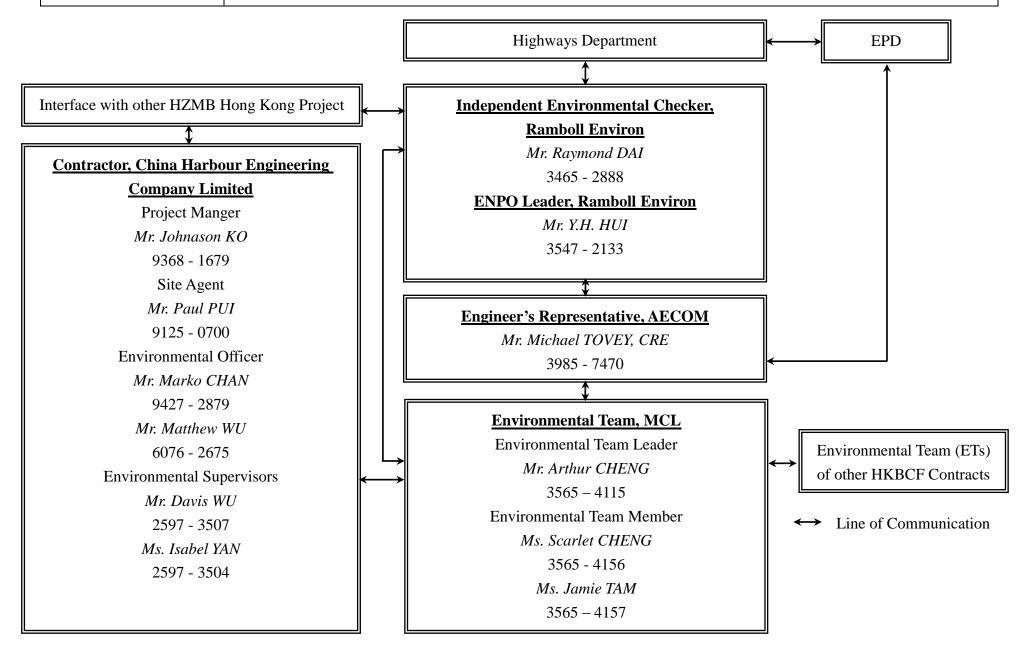
Project Organization for Environmental Works

CHINA HARBOUR ENGINEERING COMPANY LIMITED



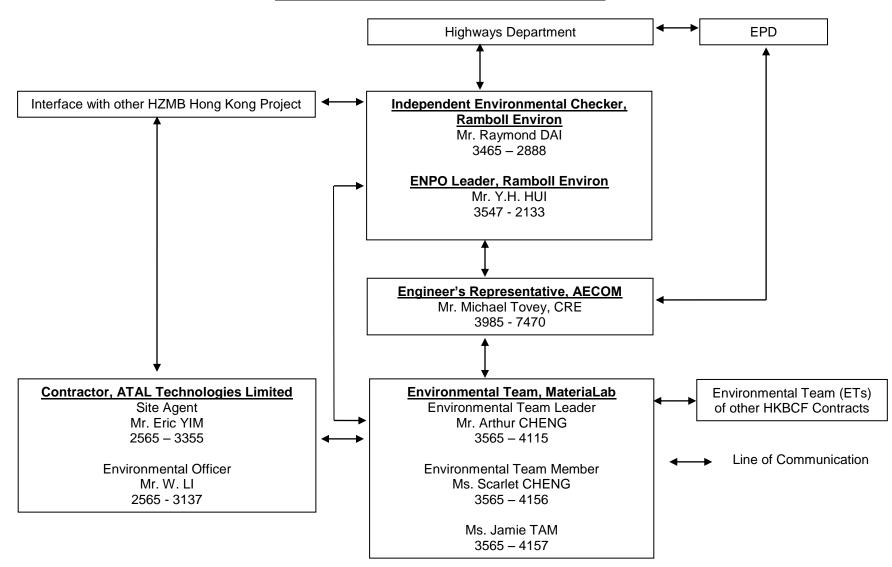
Contract No. HY/2013/03 Hong Kong-Zhuhai-Macao Bridge, Hong Kong Boundary Crossing Facilities – Vehicle Clearance Plazas and Ancillary Buildings and Facilities

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



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Appendix C

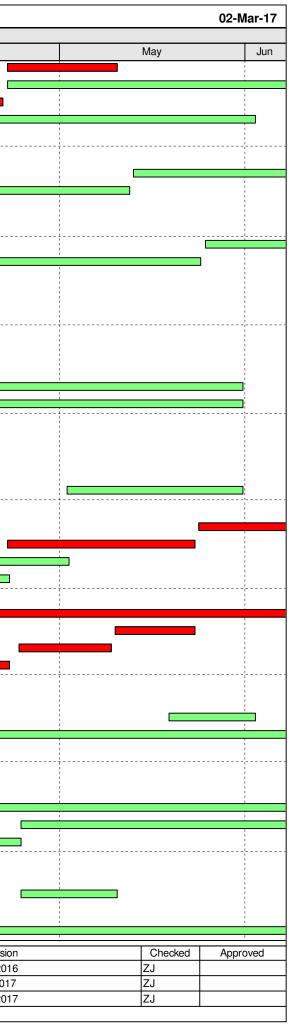
Construction Programme

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ivity ID	Activity Name	cillary Buildings and Facilities				2017
			Feb	N	lar	Apr
HKBCF - V	/CP & Ancillary Buildings and Facilities, DWP Rev.	3B, DD 28 Feb. 17				
CONTRA	CT DATES					
Key Dates						
A1080	KD8 Achievement of Stage 7 of the Works (520 days; 10 Sep. 16)					
A1070	KD7 Achievement of Stage 6 of the Works (500.5 days; 22 Aug. 16	FOT 1)				
A1010	KD1 Achievement of Stage 1 of the Works (364.5 days; 08 Apr. 16 I					
	s & Possession					
	on of Portion of Site					
A0180	Possession of Portion R (<=610 days)					Possession of Portior
A0170	Possession of Portion Q (<=500 days)			Possession of P	ortion $Q_{(<=500)}$	
A0160	Possession of Portion P (<=502 days)			Possession of P		
A0150	Possession of Portion N (<=345 days)			 Possession of P 		1
A0110	Possession of Portion J (<=320 days)			 Possession of P 	•	• •
A0070	Possession of Portion F (<=220 days)					 Possession of Portion
A0040	Possession of Portion C (<=100 days)					 Possession of Portior
	Continue of the Site					
A0350	Contract Date for Access to External Area for Contract HY/2013/04	ELV System Installation (560 days)		Contract Date fo	r Access to Exte	rnal Area for Contract HY/2
A0330	Contract Date for Access to External Area for Contract 11/2013/04	LLV System installation (300 days)				
A0340	Contract Date for Access to External Area for Contract HY/2013/02	for ELV System Installation (560 days)		Contract Date fo	r Access to Exte	rnal Area for Contract HY/2
10010						
A0330	Contract Date for Access to External Area for Contract HY/2013/01	for ELV System Installation (570 days)		Contract Date fo	r Access to Exte	rnal Area for Contract HY/2
A0320	Contract Date for Access to Location 1.8 PCB (Ground Floor level of	r above) (515 days)				tion 1.8 PCB (Ground Floo
A0310	Contract Date for Access to Location 1.8 PCB (Basement level up to	o ground floor slab) (395 days)		 Contract Date for 	r Access to Loca	tion 1.8 PCB (Basement le
A0300	Contract Date for Access to Location 1.7C (610 days)					tion 1.7C (610 days)
A0290	Contract Date for Access to Location 1.7B (610 days)			Contract Date fo	r Access to Loca	tion 1.7B (610 days)
A0280	Contract Date for Access to Location 1.7A (610 days)			Contract Date fo	r Access to Loca	tion 1.7A (610 days)
A0260	Contract Date for Access to Location 1.6A (700 days)					ess to Location 1.6A (700 d
A0250	Contract Date for Access to Location 1.5 (580 days)			Contract Date fo	r Access to Loca	tion 1.5 (580 days)
A0240	Contract Date for Access to Location 1.4 (488 days)			1		tion 1.4 (488 days)
A0230	Contract Date for Access to Location 1.3 (488 days)					tion 1.3 (488 days)
A0220	Contract Date for Access to Location 1.2 (405 days)			1		tion 1.2 (405 days)
A0210	Contract Date for Access to Location 1.1 (490 days)			Contract Date fo	r Access to Loca	ition 1.1 (490 days)
PRELIMIN	IARY					
Precast Ya	rd for Bridge Segement					
A0630	Segment Manufacture	i i i i i i i i i i i i i i i i i i i				
PORTION	IA1					
Portion A1	Structures					
Bridge A9						
Pier & Ab						
SA9350	Abutment A901					
SA9340	Pier P902					
SA9330	Pier P903					
SA9310	Abutment A905					
Structure	l.					
SA9460	Deck on P902 & A901 + Stressing					
SA9450	Falsework for Deck P902 - A901					
SA9440	Deck on P903 & P902 + Stressing					
						1
Actual	Work		LLING PROGRAMME		Date	Revis
	ning Work	VEHICLE CLEARANCE PLAZAS AND		S AND FACILITIES		MRP updated as of 31 Dec. 20
Critical	-		e 1 of 20			MRP updated as of 31 Jan. 20
		i ago			28-Feb-17 3	MRP updated as of 28 Feb. 20

			02-N	lar-17
		Мау		Jun
		iviay		Jun
	1	D8 Achieve		
	hievement of Sta KD1 Achieveme			
•	ND I Achievenie	ini or Staye		
R (<=610	days)			
F (<=220				
C (<=100	days)			
013/04 EL	V System Install	ation (560 c	days)	
013/02 for	ELV System Ins	tallation (56	60 days)	
013/01 for	ELV System Ins	stallation (57	70 days)	
		-)		
	bove) (515 day round floor slab)	
		, (000 dajo	,	
ays)				
on 16		Checked ZJ	Appro	oved
17		ZJ		
17		ZJ		

ivity ID	ndary Crossing Facilities - Vehicle Clearance Plazas and	Ancillary Buildings and Facilities			
	Activity Name			-	2017
<u> </u>	Falsework for Deck P903 - P902	Feb	N	lar	Apr
SA9430 SA9420	Deck on P904, P903 + Stressing				-
SA9420 SA9415	Falsework for Deck P904 - P903				
SA9415 SA9410	Deck on A905, P904 + Stressing				
	Falsework for Deck A905 - P904				
Retaining					,
	Parapet W8-1 (16 pour) & E&M Works				
SW8120	Backfilling W8-1				
SW8110	Construction of Retaining Wall W8-1 (U-shape, 4 bays)]
Retaining					
SW9130	Parapet W9-1 (16 pour) & E&M Works				
SW9120	Backfilling W9-1				
	Construction of Retaining Wall W9-1 (U-shape, 4 bays)				
Box Culver	rt D				
Box Culver	rt D Construction				1 1 1
SD0180	Box Culvert D Backfilling				
SD0170	Box Culvert D Construction (Stage 4, Bay 19 - 21 & 24 - 32)				
047 - Fresh	h Water Pumping Station, Portion A1 & A2				
A04770	BS installation + E&M (Degree 2)				
A04760	Parapet Wall at Roof Slab & Fiishing				
A04752	Water-tightness Test for Water Tank				
A04750	Pump House Construction				
A04740	Water Tank Construction				_
Test & Com	nmission				
B04730	Submission & Issue of WW046 IV, V (Inside Services & FS)				
049 - Sewa	age Treatment Plant, Portion A1 & A2				
E04910	Other Superstructure Construction				
D04990	Other Ground Slab Construction				F
D04985	Energisation by CLP		1		
D04980	BS + E&M for Transformer Room to CLP (KD7)				
D04940	Water-tightness Test for MBR Tanks				
D04930	Constructing Wall Stem for MBR Tanks				
C04990	Backfiling + Removal of ELS2				
C04970	Water-tightness Test for Sludge Holding Tanks				
C04960	Constructing Wall Stem of Sludge Holding Tanks				
C04950	Backfiling + Removal Strut of ELS2	<u></u>			
C04940	Constructing Base Slab of Sludge Holding Tanks				
C04910	Water-tightness Test for Equalization Tanks				
B04990	Constructing Wall Stem for Equalization Tanks				
B04980	Backfiling + Removing 3rd Strut of ELS1				
Portion A1					
	Disinsection Area and Store Room 1, at Portion A1				
					1
A01280	Other BS + E&M Installation				
A01270	BS + E&M for Office Accommodation (Stage 9) (Degree 3)				
A01260	BS for Office Accommodation (Stage 8) (Degree 2)				
A01250	Finishing	i			
Test & Com					
C01210	Submission & Issue of WW046 I, II, III (Inside Services & FS)				
036 - Weigl	Other BS + E&M Installation				
036 - Weigl A03690				Date	Revisio
036 - Weigl A03690 Actual W	Vork	THREE MONTH ROLLING PROGRAMME		31-Dec-16 3M	RP updated as of 31 Dec. 201
036 - Weigl A03690 Actual W		THREE MONTH ROLLING PROGRAMME VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS Page 2 of 20	AND FACILITIES	31-Dec-16 3M 01-Feb-17 3M	Revisio RP updated as of 31 Dec. 201 RP updated as of 31 Jan. 201 RP updated as of 28 Feb. 201



tivity ID	Indary Crossing Facilities - Vehicle Clearance Plazas and Activity Name				2017	
	Activity Name		Feb	Mar	2017	Apr
A03680	BS + E&M for Office Accommodation (Stage 9)		100	iviai		Дрі
A03670	BS for Office Accomodation (Stage 8)	i				
A03665	External Wall Plaster & Tile				1	
A03650	Ceiling/Wall Plaster & Painting	!	1			
Test & Co						
B03670	BEEO Stage II & Accessor Certification Submission					
B03630	Submission & Issue of WW046 IV, V (Inside Services & FS)					
	Tower Cum Inbound Cargo Examination Building (Portion	n A1 & B)				
A03790	Other BS + E&M Installation				i I	
A03785	BS for Office Accomodation (KD10)					
A03780	BS for Office Accomodation (KD9)					
A03780	BS + E&M for AVCSS Cabling (KD18B)	I				
A03760	BS + E&M for AVCSS Cabling (KD18A)					
A03700	Paint Finish		1			
A03756	Window/Door Frame Installation					
A03750	Floor Screed/Tiling					
A03732	Wall/Ceiling Plastering/Tiling		1		1	
A03748 A03744	Curtain Wall/Metal Roof/Aluminium Cladding Installation	I	1			
A03744 A03742C	Mock-up Sample for Mesh Screen Wall (SS41) & Balustrade				1	
A037420 A03740	Steel Frame Structure Installation					_
Test & Col B03790						
B03790 B03770	Beam Plus Monthly Submission & Issue WSD Inspection					
B03770 B03730	Submission & Issue of WW046 IV, V (Inside Services & FS)					
	tation Cum Ambulance Depot					
A04160	Other BS + E&M Installation					
A04140	BS for Office Accomodation (Stage 8)					
A04137	False Ceiling Installation					
A04136	Carpentry (Door, Fabric Wall Panel, Movable/Folding Partition)					
A04135	Ceiling/Wall Painting	k				
A04134	Floor Screeding/Tiling/Vinyl Tiles				1	
A04133	Ceiling & Wall Plastering/Wall Tiling				1	
A04132	Blockworks					
A04126	Cladding & Curtain Wall Installation (incl. steel & metal works)				1	
A04122	Superstructure, 1/F to 2/F (incl. parapet wall and planter wall)					
Test & Co						
B04160	DG application					
B04120	Submission & Issue of WW046 I, II, III (Inside services & FS)					
042 Drill 1						
A04290	Other BS + E&M Installation		1 1			
A04280	BS + E&M for Office Accomodation (Stage 9)				1	
A04270	BS for Office Accomodation (Stage 8)					
A04260	Finishing		· · · · · · · · · · · · · · · · · · ·			
Test & Co	mmission					
B04220	T&C for BS Pumps					
043 DOH (Office + Store Room		1		 I I	
C04310	C/S Wall Plastering	· · · · · · · · · · · · · · · · · · ·				
B04390	Carpentry (Wooden Doors/Partition/Lockers/Etc.)					
B04380	False Ceiling Installation & Painting					
B04370	Floor Screeding/Tiling					
					l	
Actual V	Vork	THREE MONTH ROLLING	G PROGRAMME	Date		Revisi
	ing Work	VEHICLE CLEARANCE PLAZAS AND ANCIL		ACILITIES		d as of 31 Dec. 20
Critical		Page 3 of 2		01-Feb-1 28-Feb-1		d as of 31 Jan. 201 d as of 28 Feb. 20
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17	ZJ		

ID	Activity Name					2017
		T	Feb	Mar		Ар
B04360	Wall Plastering/Tiling	_				
B04350	Blockworks				1	
B04340	Metal Windows/Louvres/Doors/Railing etc. installation			1		
B04330	Stainless Steel Mesh Installation					
B04320	Mock Up For Green Wall (SS39)					
B04310	Other BS + E&M Installation					
A04390	BS + E&M for Office Accomodation (Stage 9)					
A04380	BS for Office Accomodation (Stage 8)					
A04370	Cladding & Curtain Wall Installation (incl. steel & metal works)					
Test & Con	nmission				 	
C04380	DG application			DG application		
C04360	Form 2 Submission				1	
C04340	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
052 - Trans	sforms (Zone 4)					
A05280	Genset Installation				1	
A05270	Main Switch/L.V. Switch Board Installation					
A05260	External Wall Plaster & Wall (KD10)					
A05250	Ceiling/Wall Painting Finish & Floor Screed				1	
A05235	Energisation by CLP					
T&C and S	tatutory Inspection					4
B05280	OP Application & TPIDC Inspection			·		
B05270	Non-Essential T&C (Non-FSI)					J
B05220	DG application					
B05210	T&C for BS & Pumps					
Completion	n of Fire Services Installation and Equipment (FCD)				1	
	Approved Building Plans			Approved Building	Plans	
	Guard Booth, Portion A1 (Mock Up)				 	
B10560	BS + E&M for Office Accommodation (KD10)				1	
B10550	BS for Office Accommodations (KD9)					J
B10540	Finishing					
B10540	On Grade Ground Slab					
B10520	Substructure (Raft Foundation)					
B10510	Excavation + Blinding					1
B10500	Shop Drawings & Material Submission					
	velop Structure Installation					
B10590	Fabrication of F/C System					
	Shop Drawing Submission and Approval				1	
	D GV Secondary Examination Bays Inbound				1	
	Construction of the Area and Access to the Interface Contractor			1	1	
ER5830					Í	
	orks for Portion A1				י יי יי	
Drainage V						
ED5620	Sewerage (269m & 7MHs), Stage 3 (Eastern)					
ED5610	Drainage Works (773m & 34MHs), Stage 3 (Eastern)					
ED5600	Sewerage (300m & 9MHs), Stage 2 (Middle)					J
ED5590	Drainage Works (774m & 35MHs), Stage 2 (Middle)					
ED0020	Drainage Works (773m & 34MHs), Stage 1 (Western)					1
Waterpipe	Laying					
EW6030	Flushing Water Main Laying (322 m), Stage 2 (Middle)					
EW6020	Fresh Water Main Laying (700 m), Stage 2 (Middle)				1	
EW6010	Flushing Water Main Laying (322 m), Stage 1 (Western)			,		
Actual W	Vork	THREE MONTH RC	LLING PROGRAMME		Date	
Remaini	ing Work	VEHICLE CLEARANCE PLAZAS AND				RP updated as of 31
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		l age	-	2	8-Feb-17 3MR	RP updated as of 28



/ity ID	Activity Name	Ancillary Buildings and Facilities				2017
			Feb	Ma	ır	Ар
EW5010	Fresh Water Main Laying (700 m), Stage 1 (Western)					
Duct Layir	ng for Utilities/Telecom Cabling, TCSS & Lighting					
EU5270	Duct & Cable Laying for TCSS & Lighting					
EU5260	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
PORTION	A2					
Portion A2	Structures					
046 - Refu	se Collection Point, Portion A2					
A04620	Superstrurcture w/2 water tank					, ,
A04610	Raft Foundation					
Test & Cor	mmission					
B04620	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
048 - Recla	aimed Water Pumping Station, Portion A2					
B04840	Other BS + E&M Installation					
B04820	BS for Office Accommodations (Stage 8) (KD9)					
B04810	Superstructure Construction					
A04890	Backfilling					
A04880	Water-tightness Test for Basement 2					
A04870	Basement 2 Construction					
A04867	Backfilling + Removal of ELS					
A04865	Water-tightness Test for Basement 1					
A04860	Basement 1 Construction			- -		
Test & Cor	mmission					
B04880	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
B04860	DGApplication					
Retaining	Wall W9-2					
	Construction of Retaining Wall W9-2 (U-shape, 6 bay)					
	orks for Portion A2					
Drainage						
ED3560	Sewerage (161m & 5MHs), Stage 1 (Eastern)					1
ED3380	Drainage Works (114m & 8MHs), Stage 1 (Eastern)					1
				1 		
EW2300	Flushing Water Main Laying (45m), Stage 1 (Eastern)					
EW2290	Fresh Water Main Laying (118m), Stage 1 (Eastern)					
Roadwork						
ER3570	Bitumen Pavement (560 ton), Stage 1 (Eastern)			 		
ER2380	Subbase (400 ton), Stage 1 (Eastern)					
PORTION	B					
Portion B S	Structures					
Retaining	Wall W7-2					
S70970	Retaining Wall W7-2 Parapet (2 pour) & E&M Works			1		
S70910	C3-S6 Slopeworks					
S70890	Retaining Wall W7-2 Backfilling					
S70870	Construction of Retaining Wall W7-2 (L-shape, 1 bays)					
Retaining						
	Retaining Wall W6-1 Drainage System & Cable Laying					
S62070	Retaining Wall W6-1 Parapet (8 pour) & E&M Works			1 		
S62070 S62060	Retaining Wall W6-1 Backfilling		-			
S62050	Construction of Retaining Wall W6-1 (L-shape, 4 bays)					
_ вау 4 - 19	of CUE/Staff Subway				· · · · · ·	
Actual V	Nork	THREE MONTH ROLLING I	PROGRAMME		Date	
Remain	ing Work	VEHICLE CLEARANCE PLAZAS AND ANCILLA		ND FACILITIES		IRP updated as of 31 [
Critical		Page 5 of 20				ARP updated as of 31
	le				28-Feb-17 3N	/IRP updated as of 28 I



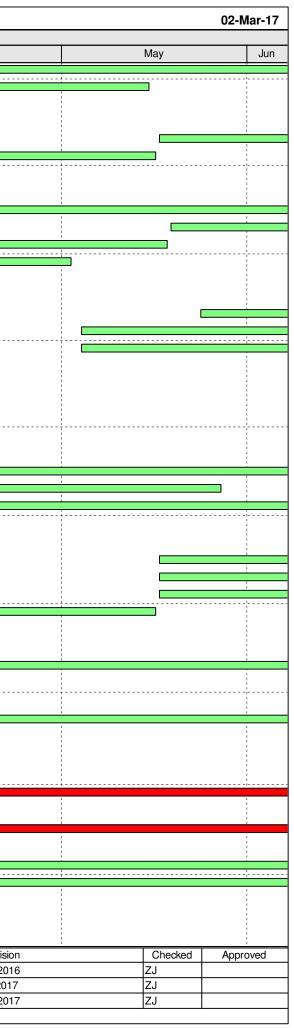
	Indary Crossing Facilities - Vehicle Clearance Plazas and	Ancillary Buildings and Facilities				
Activity ID	Activity Name					2017
000780	Allow Access to C1 for Chilled Water Dine (CLIE) installation		Feb	M	ar	Apr
C02780 C02770	Allow Access to C1 for Chilled Water Pipe (CUE) installation BS + E&M Installation for AVCSS (Stage 1)					
	4 of CUE/Staff Subway			1		
C02860	Allow Access to C1 for Chilled Water Pipe (CUE) installation					
C02850	BS + E&M Installation for AVCSS (Stage 1)					
C02840	Internal Finishes & Cable Containment (KD1)					
C02830	Bay 20 - 24 Construction - Wall + Top Slab					
	9 of CUE/Staff Subway			1 1 1		
C02980	Allow Access to C1 for Chilled Water Pipe (CUE) installation			_		
C02970	BS + E&M Installation for AVCSS (KD1)					:
C02960	Internal Finishes & Cable Containment (KD1)					· · · · · · · · · · · · · · · · · · ·
C02930	Bay 25 - 29 Construction - Wall + Top Slab					
Portion B I						
	bound Kiosks & 029 Outbound Kiosks					
B02720	Other BS + E&M Installation					
A02790	BS + E&M for AVCSS Cabling (KD18B)			, , , ,		
A02780	BS + E&M for AVCSS Works (KD18A)			1		
A02760	BS for Office Accomodation (Stage 8)					
A02750	Finishing			1 1 1		
A02740	Construction of Subway Toilets					
A02730	Construction of Subway Entrance					
A02720	Superstructure					}
A02718	Mock up for Goods Vehicle Canopy			1		
A02715	Mock up for Steel Kiosks					
A02710	Pre-fabrication for the Steel Kiosks					
Test & Co						
B02830	Submission & Issue of WW046 IV, V (Inside Services & FS)					
	bound Kiosks & 029 Outbound Kiosks, Section IX, Subje	ct to Excision				
B02770	BS + E&M for AVCSS Works (KD18D)			1		
B02760	BS + E&M for AVCSS Works (KD18C)			1 1		
B02750	Superstructure		L			· · · · · · · · · · · · · · · · · · ·
B02740	Pre-fabrication for the Steel Kiosks			1		
	nd IMMD and DOH Secondary Screening Building			1 1 1		
A02690	Other BS + E&M Installation			1		
A02680	BS + E&M for Office Accomodation (Stage 9)			1		
A02670	BS for Office Accomodation (Stage 8)					
A02660	Contractor's Design Submission for Aluminium Cladding & Appr					
A02650	Contractor's Design Submission for SS Mesh Screen & Approva			1		
A02640	Finishing			1		
Test & Co						
B02680	Form LE5 Submission to EMSD					
B02650	TC for BS & Pumps					
B02630	Submission & Issue of WW046 IV, V (Inside Services & FS)					
B02620	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
	nd Fixed X-ray Building					
B05410	Lift Installation					
A05490	Other BS + E&M Installation					
A05480	BS + E&M for Office Accomodation (Stage 9)			1 1 1		
A05470	BS for Office Accomodation (Stage 8)					
A05467	Energisation by CLP		1			
Actual V	Nork	THREE MONTH F	OLLING PROGRAMME		Date	Revis
	ing Work	VEHICLE CLEARANCE PLAZAS AND		ND FACILITIES		3MRP updated as of 31 Dec. 20
Critical			ge 6 of 20			3MRP updated as of 31 Jan. 20
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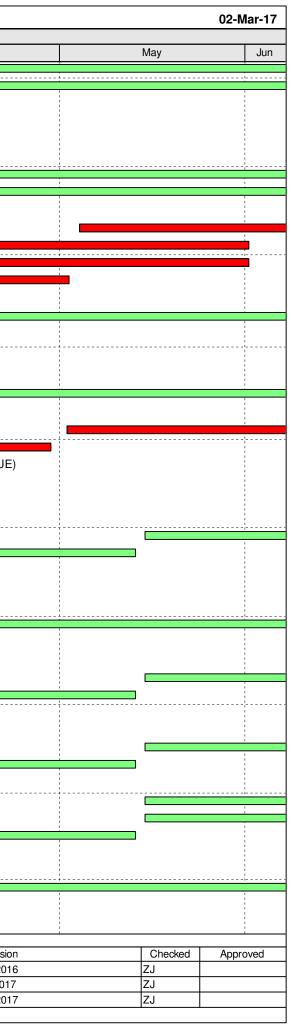
vity ID	ndary Crossing Facilities - Vehicle Clearance Plazas and Activity Name	Alicinary Bundings and Lacinties				2017	
			Feb	M	ar	2017	Apr
A05460	Finishing						
T&C and S	tatutory Inspection for Zone 4a		L	- L			
B05450	DGApplication						
B05420	T&C for BS & Pumps						
Waterwork	(s Ordinance (WSD)						
	Approval Letter and approved Drawings			Approval Letter a	and approved	Drawings	
038 AFCD				· · · · · · · · · · · · · · · · · · ·			
A03890	Other BS + E&M Installation						
A03880	BS + E&M for Office Accomodation (Stage 9)					1	
A03870	BS for Office Accomodation (Stage 8)						
A03850	Finishing + Curtain Wall Installation						
A03840	Superstructure; 1/F to 2/F (incl. parapet and planter wall)						
Test & Con							
C03820	Form 2 Submission			Form 2 Submissi	on		
B03830	Submission & Issue of WW046 I, II, III (Inside Services & FS)				-		
B03810	T&C for BS & Pumps					1	
	Main Building		·				,
A03970	Other BS + E&M Installation						
A03970	BS + E&M for Office Accomodation (Stage 9)			L		1	
A03950	BS for Office Accomodation (Stage 8), & for TCSS works (KD14)					1	
A03950 A03940	Finishing + Curtain Wall Installation					1	
A03940 A03935	Superstructure; 1/F to 2/F (incl. parapet and planter wall)						
Test & Con	T&C for BS & Pumps						
C03970	Form 2 Submission			Form 2 Submissi	on		
C03950							
C03910	DG application			L. 			
B03950	Beam Plus Monthly Submission & Issue						
B03930	Submission & Issue of WW046 IV, V (Inside Services & FS)						
B03920	Submission & Issue of WW046 I, II, III (Inside Services & FS)						
	nt Control Tower						
A04060	BS for Office Accomodation (Stage 8), & for TCSS works (KD14)						
A04050	Finishing (KD9)						
A04040	Superstructure		1	1		1	
	adding System						
B04030	Casted-in Items Installation						
B04020	Fabrication of F/C System		, , , ,				
Glass Wall							
C04030	Casted-in Items Installation			1 1 1			
C04020	Fabrication of Glass Wall						
102 HKPF	UVSS Monitor Room						
C10210	WWO 46 Part I, II, III Submission (inside Service + FS)		 			♦ WV	NO 46 Part
A10270	Other BS + E&M Installation		·			, I	
A10240	BS for Office Accomodation (Stage 8)			Ľ.			
A10230	Finishing (False Ceiling) (KD9)		· 	[
Metal Can	opy and Roof Installation						
B10220	Casted-in Items Installation		1	1 1 1			
B10212	Fabrication of MC/R			1			_
103 Police	Inspection Post						
C10320	WWO 46 Part I, II, III Submission (inside Service + FS)			• ۱	WWO 46 Part	I, II, III Submissio	n (inside Se
A10380	Other BS + E&M Installation					1 	
	;		·	·	- ·		
Actual W	Vork	THREE MONTH F	OLLING PROGRAMME		Date		Revis
Remaini	ing Work	VEHICLE CLEARANCE PLAZAS AND	ANCILLARY BUILDINGS AI	ND FACILITIES		3MRP updated as 3MRP updated as	
Critical		Pa	ge 7 of 20			3MRP updated as	
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ID	Activity Name					2017
			Feb	M	ar	Apr
A10360	BS for Office Accomodation (Stage 8)					
A10350	Finishing (False Ceiling) (KD9)					
A10340	Superstructure (Roof Slabs)					
-	posite Panel Cladding System					
B10330	Casted-in Items Installation					
B10320	Fabrication of HPL Cladding					
B10310	Shop Drawing Submission and Approval					
	formers (Zone 2)					
A05780	Other BS + E&M Installation					
A05770	BS + E&M for Office Accomodation (Stage 9)					
A05760	BS for Office Accomodation (Stage 8)					
A05755	Energisation by CLP			1		
A05740	Finishing					
	Statutory Inspection for Zone 2a & 2b					
F05710	Non-Essential T&C (Non-FSI)					
F05700	Essential T&C (FSI)					
C05700	T&C for BS & Pumps					
Completio	on of Fire Services Installation and Equipment (FCD)					
F05740	Provision of Approved Building Plans by the Engineer			Provision of Appr	oved Building	Plans by the Engineer
DG Licens	se & EPD Generator Approval					
G05720	DG License Application					
G05710	Approval Letter and approved Drawings			Approval Letter a	and approved D	Drawings
107 - C&E	D Mobile X-ray Operation Office (Cargo), Portion B					
C10770	Other BS + E&M Installation					
C10750	BS for Office Accomodation (Stage 8)					
C10740	Finishing					
C10730	Superstructure (Roof Slabs)			 O¦		
113 - Field	Kiosk for Access Control, Portion B					
B11370	Other BS + E&M Installation					
B11350	BS for Office Accomodation (Stage 8)					
B11340	Finishing					
B11330	Superstructure (Roof Beams & Slabs)					
B11320	Raft Foundation					
201 - Inbo	ound Cargo Mobile X-ray Operation Area					
ER5850	Construction of the Area and Access to the Interface Contractor					
ER5740	Radiation Screen Wall Construction					
	ound Private Car Mobile X-ray Operation Area					
	Construction of the Area and Access to the Interface Contractor					
EB5860						
ER5860	Badiation Screen Wall Construction					
ER5750	Radiation Screen Wall Construction					
ER5750 External W	orks for Portion B					
ER5750 External W Works in 1	Vorks for Portion B					
ER5750 External W Works in 1 BB1480	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A					
ER5750 External W Works in BB1480 Works in	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B					
ER5750 External W Works in 1 BB1480	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A					
ER5750 External W Works in BB1480 Works in	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B ELV Works & T&C in Location 1.7B					
ER5750 External W Works in BB1480 Works in BB1490	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B ELV Works & T&C in Location 1.7B					
ER5750 External W Works in BB1480 Works in BB1490 Drainage	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B ELV Works & T&C in Location 1.7B Works					
ER5750 External W Works in BB1480 Works in BB1490 Drainage ED5700	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B ELV Works & T&C in Location 1.7B Works Sewerage (300m &82MHs), Stage 4 (N/E)					
ER5750 External W Works in BB1480 Works in BB1490 Drainage ED5700 ED5690	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B ELV Works & T&C in Location 1.7B Works Sewerage (300m &82MHs), Stage 4 (N/E) Drainage Works (1130m & 60MHs), Stage 4 (N/E)					
ER5750 External W Works in 0 BB1480 Works in 0 BB1490 Drainage ED5700 ED5690 ED5680	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B ELV Works & T&C in Location 1.7B Works Sewerage (300m & 82MHs), Stage 4 (N/E) Drainage Works (1130m & 60MHs), Stage 4 (N/E) Sewerage (300m & 8MHs), Stage 3 (N/W) Drainage Works (1130m & 60MHs), Stage 3 (N/W)					
ER5750 External W Works in BB1480 Works in BB1490 Drainage ED5700 ED5690 ED5690 ED5670 Waterpipe	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B ELV Works & T&C in Location 1.7B Works Sewerage (300m & 82MHs), Stage 4 (N/E) Drainage Works (1130m & 60MHs), Stage 4 (N/E) Sewerage (300m & 8MHs), Stage 3 (N/W) Drainage Works (1130m & 60MHs), Stage 3 (N/W)				Date	
ER5750 External W Works in BB1480 Works in BB1490 Drainage ED5700 ED5690 ED5680 ED5670 Waterpipe	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B ELV Works & T&C in Location 1.7B Works Sewerage (300m & 82MHs), Stage 4 (N/E) Drainage Works (1130m & 60MHs), Stage 4 (N/E) Sewerage (300m & 8MHs), Stage 3 (N/W) Drainage Works (1130m & 60MHs), Stage 3 (N/W) Work				31-Dec-16 3	3MRP updated as of 31 D
ER5750 External W Works in BB1480 Works in BB1490 Drainage ED5700 ED5690 ED5680 ED5670 Waterpipe	Vorks for Portion B Location 1.7A ELV Works & T&C in Location 1.7A Location 1.7B ELV Works & T&C in Location 1.7B Works Sewerage (300m & 82MHs), Stage 4 (N/E) Drainage Works (1130m & 60MHs), Stage 4 (N/E) Sewerage (300m & 8MHs), Stage 3 (N/W) Drainage Works (1130m & 60MHs), Stage 3 (N/W) Work work Mork	VEHICLE CLEARANCE PLAZAS AND A		S AND FACILITIES	31-Dec-16 3	3MRP updated as of 31 D 3MRP updated as of 31 Ja



	ndary Crossing Facilities - Vehicle Clearance Plazas and	Anciliary Buildings and Facilities				0017	
tivity ID	Activity Name	1	Feb	M	or	2017	Apr
EW6110	Flushing Water Main Laying (460m), Stage 3 (N/W)			IVI			Apr
EW6100	Fresh Water Main Laying (500m), Stage 3 (N/W)						
EW6090	Flushing Water Main Laying (460m), Stage 2 (S/E)						
EW6080	Fresh Water Main Laying (500m), Stage 2 (S/E)		· · · · · · · · · · · · · · · · · · ·				
	g for Utilities/Telecom Cabling, TCSS & Lighting						
EU5630	Access date to Telephone Companies			Access date to Te	lephone Co	manies	
EU5310	Duct & Cable Laying for TCSS & Lighting						
EU5300	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					1	
Roadworks						1	
ER5590	Subbase (11000 ton), Stage 2 (N/E)						
ER3600	Rigid Pavement (594 m3), Footpath & EVA, Stage 1 (N/W)		1				
ER3590	Bitumen Pavement (14000 ton), Stage 1 (N/W)						
ER3590	Subbase (10000 ton), Stage 1 (N/W)					1	
	y ADS 306A & ADS 306B						
ES5240	Fabrication & Delivery of Sign Gantrys to Site					1	
PORTION							
Portion C B							
010 - Inbou	Ind Coach Kiosk & Staff Subway Entrance						
A01010	Substructure and Staircase Construction						
009 - Staff	Subway Entrance (Bay 0 - 3) & Shuttle Bus Kiosks						
B00930	BS + E&M for AVCSS works (KD18A)						
B00920	Kiosk superstructure						
A00960	Allow Access to C1 for Chilled Water Pipe Installation (CUE)			Allow Access to	C1 for Chille	d Water Pipe	Installation (CUE
A00950	BS + E&M for AVCSS works (KD 1)		O				
A00940	Finishing		O				
012 - DOH	Disinsection Area and Store Room 1, at Portion C						
B01230	Supersturcture						
B01220	Raft Foundation						
B01210	Excavation & Blinding						
	Secondary Screening Station, at Portion C		1				
	adding System						
A10465	Fabrication of F/C System						
A10460	Shop Drawing Submission and Approval						
	Mobile X-ray Machine Operation Office, Portion C		1				
A10840	Superstructure (Roof Beams & Slabs)						
A10810	Raft Foundation						
A10805	Excavation & Blinding						
	osite Panel Cladding System						-
A10815	Fabrication of HPL Cladding						
A10800	Shop Drawing Submission and Approval		1				
	Guard Booth (Type 2) East						
A11090	BS for Office Accomodation (Stage 8)						
A11080	Finishing						
A11030	Substructure						
A11020	Excavation & Blinding						1
	velop Structure Installation						
A11045	Fabrication of F/C System						
	Shop Drawing Submission and Approval						
TIT Field K	liosk for Carpark Operator		1			1	
					Date	I	Revisio
Actual W	-	THREE MONTH ROLLING PRO			31-Dec-16	3MRP update	d as of 31 Dec. 201
	ng Work	VEHICLE CLEARANCE PLAZAS AND ANCILLARY	BUILDINGS AN	D FACILITIES			d as of 31 Jan. 201
Critical		Page 9 of 20					d as of 28 Feb. 201
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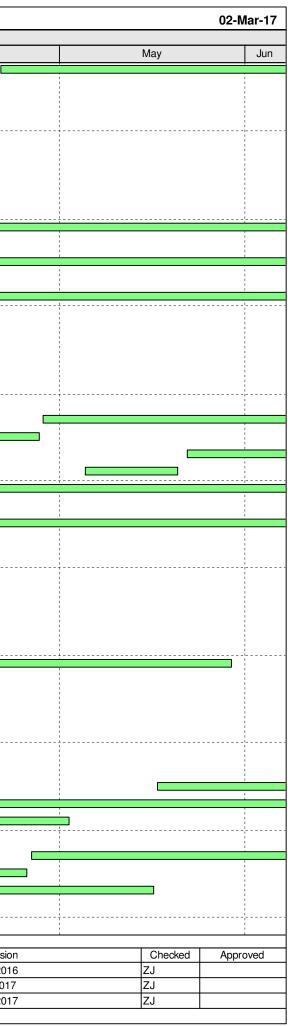
ty ID	Activity Name					2017	
			Feb	N	lar	Apr	
A11140	Superstructure (Roof beams & Slabs)						
A11130	Raft Foundation						
A11120	Excavation & Blinding						
	nposite Panel Cladding System						
B11120 B11110							
	Id Kiosk for Access Control, Portion C						
C11330	Superstructure (Roof Beams & Slabs)						
C11330	Raft Foundation						
C11320	Excavation & Blinding						
	ound Coach Exam Area & Mobile X-ray Operation						
ER5760							
	Norks for Portion C						
	Location 1.2, 1.8 & 011 - Emergency Generator Building						
_		evente v Divildia ev (KD10)					
BB1470 BB1460	Provisioning of Civil Engineering Works for 011-Emergency Gen	erator Building (KD18)					
BB1460 BB1450	ELV System Installations and T&C for Contract HY/2013/01 Works & T&C in Location 1.8			1			
BB1430 BB1440	Works & T&C in Location 1.2		L				
Drainage							
SG3610 SG2400							
B00040	Initial Survey						
	-		; 				
Waterpipe SW2420							
SW2420 SW2410							
	ing for Utilities/Telecom Cabling, TCSS & Lighting						
	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV						
PORTION							
Portion D							
	Id Kiosk for Access Control, Portion D						
D11340 C11370	BS for Office Accomodation (Stage 8) Superstructure (Roof Beams & Slabs)						
C11370	Raft Foundation						
	Norks for Portion D						
Drainage							
SG3760 SG3640	Sewerage (121m & 6MHs)						
Waterpipe							
	Fresh Water Main Laying (108m)						
	ing for Utilities/Telecom Cabling, TCSS & Lighting			Access date to T	alanhana Car	monio	
SU5640 SU5350	· · · · ·			Access date to 1	erephone Col	ipanies	
	f Car Park Management System at Location 1.5, 1.6A & 1.6B						
SR5550	Works & T&C for Car Park Management System at Location 1.5, 1.6A & 1.6B						
SR5550 SR5540						1	
Roadwork							
SR3770	Bitumen Pavement (619 ton)		, , ,				
SR3740							
PORTION			1 			1	
Actual	l Work	THREE MONTH	ROLLING PROGRAMME		Date	Revis	
Remair	ining Work	VEHICLE CLEARANCE PLAZAS AN	ANCILLARY BUILDINGS	AND FACILITIES	31-Dec-16 01-Feb-17	3MRP updated as of 31 Dec. 20	
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updated as of 31 Jan. 2017	ZJ	
updated as of 28 Feb. 2017	ZJ	

ity ID	undary Crossing Facilities - Vehicle Clearance Plazas an Activity Name				2017
		Fe	b	Mar	Apr
006 - Shutt	tle Bus Kiosk & Staff Subway Entrance, at Portion E & M				
A00650	Constructing Ground Slab				
A00640	Backfilling				
A00630	Constructing wall stem + top slab of Subway		1		
A00620	Constructing base of Subway				1
A00610	ELS + Blinding for Subway				
External W	Vorks for Portion E				
Drainage	Works				
SG3900	Sewerage (38m & 1 MH)	·			
SG3780	Drainage Works (99m & 5MHs)				
Waterpipe					
SW3800					
SW3000 SW3790					
	ing for Utilities/Telecom Cabling, TCSS & Lighting		·		
SU5370	Duct & Cable Laying for TCSS & Lighting				
SU5360	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV				
PORTION					
External W	Vorks for Portion F				
Drainage	Works				
SG4050	Sewerage (70m & 3MHs)				
SG3930	Drainage Works (122m & 9MHs)				
B00070	Initial Survey				
Waterpipe	e Laying				
	Fresh Water Main Laying (205m)				
	ing for Utilities/Telecom Cabling, TCSS & Lighting				
	Duct & Cable Laying for TCSS & Lighting				
SU5380	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV				
	I G, H1 & H2				
	Structures		·		
Box Culve					
	ert Structure				
SC0380					
SC0320			,	<u></u>	
SC0310			1		
Bridge A1					
Structure					
SA1520	Parapet (42 pour), E&M works & installation of DS38 & DS39				
SA1510	Deck on P105, A106 + Stressing		·····		
SA1490	-				
SA1460					
SA1450	·				
Bridge A2					
Structure			· · · · · · · · · · · · · · · · · · ·		
SA2460					
SA2450					
_Bridge A3	3				
Pier & Abu	utment				
SA3330	Abutment A305				
Structure	Deck				· · · · · · · · · · · · · · · · · · ·
	Work	THREE MONTH ROLLING PROG		Date	Rev
Actual					
Actual				31-Dec-16	
	ning Work	VEHICLE CLEARANCE PLAZAS AND ANCILLARY B Page 11 of 20	UILDINGS AND FACIL	LITIES 31-Dec-16 01-Feb-17	3MRP updated as of 31 Dec. 2 3MRP updated as of 31 Jan. 20 3MRP updated as of 28 Feb. 2



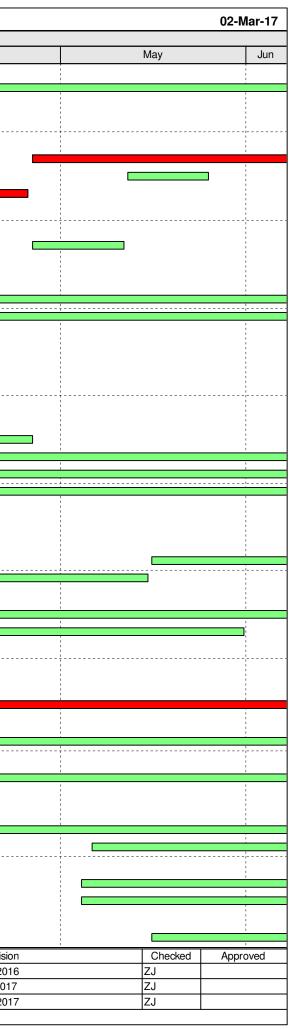
/ ID	ndary Crossing Facilities - Vehicle Clearance Plaza Activity Name				2017
		Г	Feb	Mar	Ap
SA3480	Deck on P304a, A305 + Stressing				
SA3470	Falsework for Deck P304a - A305				
SA3460	Deck on P303, P304a/P304b + Stressing				
SA3450	Falsework for Deck P303 - P304a/P304b				
SA3440	Deck on P302 - P303 + Stressing				
Bridge A4					
Pier & Abut					
	Pier P401				
Structure					
SA4460	Deck on P304b, P401, P402 + Stressing	I			
SA4450	Falsework for Deck P304b, P402		ė.		
SA4440	Deck on P401, P402 + Stressing				
SA4430	Falsework for Deck P401, P402				
SA4420	Deck on P502b, P401 + Stressing				
SA4410	Falsework for Deck P502b, P401				
Bridge A5	,				
Pier & Abut					
	Abutment A501				
SA5360	Pier P502a/b				
Structure E					i
SA5560	Deck on P507 & P508a, P508b + Stressing				
SA5550	Falsework for Deck P507 - P508a, P508b				
SA5540	Deck on A501 & P502a + Stressing				
SA5530	Falsework for Deck A501 - P502a				
SA5520	Deck on P506 & P507 + Stressing				
SA5510	Falsework for Deck P506 - P507				
SA5480	Deck on P502a, P502b & P503 + Stressing				1
SA5400 SA5470	Falsework for Deck P502a, P502b, P503		Le la		
SA5460	Deck on P505, P506 + Stressing				
SA5440	Deck on P503, P504, + Stressing				
SA5420	Deck on P504, P505 + Stressing				
Bridge A6					
Structure I					
SA6520	Falsework for Deck P606 - A607				
	Deck on P605, P606 + Stressing				
SA6510					
SA6490	Falsework for Deck P605, P606		<u> </u>		
SA6480	Deck on P604, P605 + Stressing Falsework for Deck P604, P605				
SA6470					
SA6460 Bridge A7g	Deck on P603, P604 + Stressing				
	a, A7b, A7c				
Structure					
SA7960	Parapet for Bridge A7a (48 pour) & E&M Works				
SA7950	Parapet for Bridge A7c (38 pour) & E&M Works				
SA7940	Parapet for Bridge A7b (8 pour) & E&M Works				
SA7930	Deck on P710 & A711 (Bridge A7c) + Stressing		- I I I I I I I I I I I I I I I I I I I		
SA7840	Deck on A701, P702 (Bridge A7a) + Stressing				
SA7830	Falsework for Deck A701, P702				
SA7820	Deck on P702, P703 (Bridge A7 a) + Stressing				
SA7810	Falsework for Deck P702, P703				<u> </u>
SA7790	Deck on P703, P704 (Bridge A7a) + Stressing				
Actual W			OLLING PROGRAMME	Date 31-Dec-16	3MRP updated as of 31
	ing Work	VEHICLE CLEARANCE PLAZAS AND		D FACILITIES 01-Feb-17	
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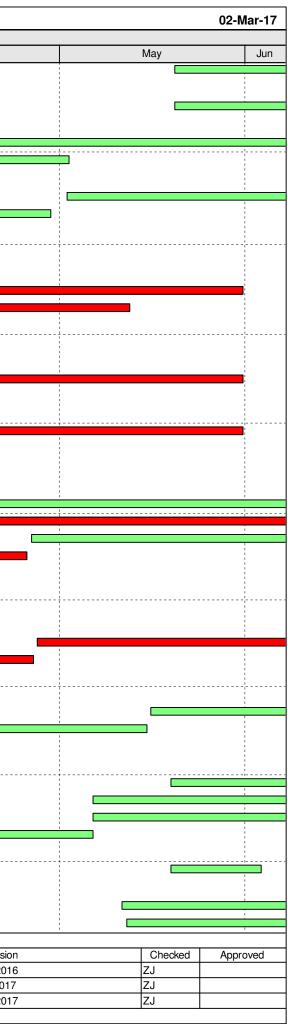
vity ID	ndary Crossing Facilities - Vehicle Clearance Plazas and Activity Name					2017	
			Feb	N	lar		Apr
SA7780	Falsework for Deck P703, P704						
SA7770	Deck on P704 & P705 (Bridge A7a) + Stressing						
SA7740	Deck on P705 & P706 (Bridge A7a) + Stressing						
Bridge A8							
Structure I	Deck						
SA8460	Deck on P803, A804 + Stressing					i	
	Falsework for Deck P803, P804						
	Deck on P802, P803 + Stressing						
	Walls W1-1, W3-1, W5-1 & W7-1						
Retaining \							
	Retaining Wall W1-1 Backfilling						
	Construction of Retaining Wall W1-1 (L-shape, 4 bays)						
Retaining \							
	Construction of Retaining Wall W3-1 (U-shape, 4 bays)						
Retaining \							
	Construction of Retaining Wall W5-1 (L-shape, 5 bays)						
Retaining \							
	Construction of Retaining Wall W7-1 (U-shape, 4 bays)						
Portion G E							
	D Observation Guard Booth No. 1, Portion H1						
C00240	Superstructure						
C00230	Raft Foundation	I				1	
C00220	Excavation + Blinding						
	D Observation Guard Booth No. 2, Portion H1						
E00230	Superstructure			1 1 1			
E00220	Raft Foundation						
E00210	Excavation + Blinding						
033 Inbour	nd Private Car Exam Building						
C03310	Submission & Issue of WW046 I, II, III (Inside Services & FS)						
A03390	Other BS + E&M Installation	i					
A03380	BS + E&M for Office Accomodation (Stage 9)						
A03370	BS for Office Accomodation (Stage 8)	· · · · · · · · · · · · · · · · · · ·					
A03360	External Works						
A03330	Finishing	1				'	
Glass Can	opy Installation						
B03360	Steel Frame Installation						
B03350	Casted-in Items Installation						
B03305	Fabrication of Glass Canopy					1	
Aluminium	Metal Canopy						
B03330	Steel Frame Installation						
B03320	Casted-in Items Installation					1	
B03315	Fabrication of F/C System						
034 Satelli	te RCP South						
A03480	Other BS + E&M Installation						
A03470	BS + E&M for Office Accomodation (Stage 9)						
A03460	BS for Office Accomodation (Stage 8)						
A03450	Finishing	i					
Test & Con	-						
C03450	WSD Inspection						
C03420	Submission & Issue of WW046 IV, V (Inside Services & FS)						
						1	
Actual W	Vork	THREE MONTH ROLLING	PROGRAMME		Date		Re a of 21 Doo
Remaini	ing Work	VEHICLE CLEARANCE PLAZAS AND ANCILL	ARY BUILDINGS A	ND FACILITIES	31-Dec-16 01-Feb-17	3MRP updated as 3MRP updated as	
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y ID	Activity Name					2017
0.0 5	On an an Outland		Feb	M	ar	Apr
_SSFacade B03430	Greenery System Steel Frame Installation					
B03430	Casted-in Items Installation	i				
B03420 B03415	Fabrication of SS F/G System					!
	-					
	ge Pumping Station, Portion G					
B03560	Superstructure works					
B03550	Water-tightness Test for Inlet Chamber					
B03540	Constructing Basement Wall & G/F Slab					
B03530	Constructing Base Slab of Basement			- L		
B03510	Backfilling + Removal of ELS Water-tightness Test for Wet Wells					
A03590 A03580						
	Constructing of Wall Stem of Wet Well					
	ormers (Zone 5)					
A05190	Other BS + E & M Installation					
A05180	BS + E&M for Office Accommodation (KD10)					
A05170	BS for Office Accommodations (KD9)					
A05165	Energisation by CLP					
A05150	Finishing					
-	of Fire Services Installation and Equipment (FCD)					
F05140	Approved Building Plans		Approved Building Plans			
	d Traffic Control Kiosk					
C10010	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
B10090	Other BS + E & M Installation					
B10070	BS for Office Accommodations (KD9)					
B10060	BS + E&M for AVCSS Cabling (KD18B)					1
A10070	BS + E&M for AVCSS Works (KD18A)	R				
A10050	Finishing					
	osite Panel Cladding System					
B10020	Casted-in Items Installation			1 1 		
	Fabrication of F/C System					1
-	iosk for Taxi Queuing Area					
A11260	T&C for BS & Pumps SWT					
A11250	BS + E & M Installation					
A11240	Finishing					; ;
External Wo	rks for Portion G, H1 & H2					
ELV Works	within Portion H2 in the Hong Kong Side PTI					
EU1550	ELV Works within Portion H2 in the Hong Kong Side PTI (KD19)					
Works with	in Portion H1 & H2 except the ELV Works in the Hong Kc	ong Side PTI				
EU1560	Drainage & Sewerage Works within Portion H1 & H2 in the Hong	g Kong Side PTI (KD20)				
	within the Boundary defined in Drawing No. 60191048/C3/					
	Drainage & Sewerage Works (incl. CLP) within the Boundary de 60191048/C3/000/1050					
Drainage W	lorks					
ED4190	Sewerage (437m & 12MHs)					
ED4070	Drainage Works (6954m & 393MHs)					
Waterpipe						
	Flushing Water Main Laying (411m)					
	Fresh Water Main Laying (411m) Fresh Water Main Laying (1689m)					
	g for Utilities/Telecom Cabling, TCSS & Lighting					
EU5560	ELV Installation					- - -
Actual W	ork	THREE MONTH R	OLLING PROGRAMME		Date	R 2MDD undeted as of 21 Dec
Remainir	ng Work	VEHICLE CLEARANCE PLAZAS AND	ANCILLARY BUILDINGS A	ND FACILITIES		3MRP updated as of 31 Dec 3MRP updated as of 31 Jan
Critical		Pag	e 14 of 20			3MRP updated as of 28 Feb
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ity ID	Activity Name					2017
			Feb	N	lar	Apr
EU5400	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
_Roadwork						
ER4170	Subbase (17045 ton)					
Sign Gant	ry DS40, DS41 & DS75					
ES0180	Fabrication & Delivery of Sign Gantrys to Site		1			·
ES0080	Testing for Pre-bored H Piling					
Canopy ar	nd Covered Walkway					
CC1320	Footing					
CC1310	Shop drawing, Approved & Fabrication			; [
PORTION	J					
Portion J S	tructure		1	1 1 1		
	1 of CUE/Staff Subway (Portion J)					
B03270	BS + E&M Installation for AVCSS (Stage 2) (KD2)					
B03260	Internal Finishes & Cable Containment (KD2)					
B03250	Bay 40 - 41 Construction - Wall + Top Slab, Staircase					
B03250 B03230	Bay 34 - 39 Construction - Wall + Top Slab, Staircase					
	bay 34 - 39 Construction - Wait + Top Stab, Stancase			1 1		
A03030	Superstructure (Incl. Entrance & Toilet)					
A03020	Pre-fabrication for the Steel Kiosks			1		
	und Kiosks, Section IX, Subject to Excision					
C03030	Superstructure					
C03020	Pre-fabrication for the Steel Kiosks			1		
Portion J E	_					
	und Private Car Exam Building					
A02460	Other BS + E & M Installation (KD31)		1			!
A02440	BS for Office Accommodations (KD18F)					
A02430	Finishing (KD9)					
A02420	Superstructure					1
A02410	Raft Foundation					
Test & Co	mmission					
D02410	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
Glass Can	opy Installation					
B02420	Casted-in Items Installation					
B02415	Fabrication of F/C System					
B02410	Shop Drawing Submission and Approval					
Aluminium	Metal Canopy					
B02460	Casted-in Items Installation					
B02455	Fabrication of F/C System			- 1 		
B02450	Shop Drawing Submission and Approval					
031 Outbo	und IMMD and DOH Secondary Screen Building					
A03180	Other BS + E & M Installation (KD31)					
A03160	BS for Office Accommodations (KD18F)					
A03150	Finishing (KD31)					
A03140	Superstructure					
Test & Co						
	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
	le Storey Support Building Associated with Buildings 044	& 045				
A06060	BS for Office Accommodation (Stage 10) (KD11)					
A06060 A06055	Energisation by CLP					
A00030			i i	i.		i
Actual V	Vork		ROLLING PROGRAMME		Date	Re
	ing Work	VEHICLE CLEARANCE PLAZAS ANI				3MRP updated as of 31 Dec.
Critical			ge 15 of 20	ND FACILITIES	01-Feb-17	3MRP updated as of 31 Jan.
		Pa	90 10 01 20		28-Feb-17	3MRP updated as of 28 Feb.



ty ID	Activity Name					2017	
			Feb	M	ar		Apr
A06050	Superstructure (other than transformer room) Construction		· · · · · · · · · · · · · · · · · · ·				
A06045	Raft Foundation (other than transformer room)						
A06030	BS + E&M for Transform Room to CLP (KD8)						
A06025	Finishing						
A06020	Superstructure (Transformer Room) Construction						
	ks Ordinance (WSD)			<u></u>			
G06020							
	se & EPD Generator Approval						
	DG Application						
	om Building						
A06180	Other BS + E & M Installation						
A06170	BS + E&M for Office Accommodation (KD10)						
A06160	BS for Office Accommodations (KD9)						
A06150	Finishing (KD9)		· · · · · · · · · · · · · · · · · · ·			!	
	n Metal Canopy						
B06130	Steel Frame Installation						
B06120	Casted-in Items Installation						
B06115	Fabrication of Aluminium Cladding						
B06110	Shop Drawing Submission and Approval						
101 Outbo	ound Traffic Control Kiosk						
C10110	Submission of WWO46 - Part I & II (Inside Services)		1				
A10190	Other BS + E & M Installation						
A10170	BS for Office Accommodations (KD9)						
A10160	BS + E&M for AVCSS Cabling (KD18B)						
A10150	BS + E&M for AVCSS Works (KD18A)						
A10140	Finishing		1				
A10130	Superstructure (Roof Beams & Slabs)						
A10110	Raft Foundation						
A10100	Excavation + Blinding						
HPL Com	posite Panel Cladding System						
B10120	Fabrication of HPL Cladding						
B10110	Shop Drawing Submission and Approval						
206 - Outb	oound Private Car Mobile X-ray Operation Area		1				
 ER5780	Radiation Screen Wall Construction		i i i i i i i i i i i i i i i i i i i				
External W	orks for Portion J						
_	Location 1.7B						
EU1500	ELV Works & T&C in Location 1.7B						
	Location 1.7C						
<u> </u>							
EU1530	ELV Works & T&C in Location 1.7C						
Drainage							
ED5720	Sewerage (425m & 12MHs), Stage 2					· <u> </u>	
ED5710	Drainage Works (1697m & 85MHs), Stage 2						
ED4340	Sewerage (425m & 11MHs), Stage 1						
ED4220	Drainage Works (1700m & 86MHs), Stage 1						
_Waterpipe							
EW4240	Flushing Water Main Laying (431m), Stage 1 (Northern)					· · · · · · · · · · · · · · · · · · ·	
EW4230	Fresh Water Main Laying (770m), Stage 1 (Northern)		· · · · · · · · · · · · · · · · · · ·				
Duct Layii	ng for Utilities/Telecom Cabling, TCSS & Lighting						
EU5430	Duct & Cable Laying for TCSS & Lighting		ļ.			1	
EU5420	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV		i i i i i i i i i i i i i i i i i i i				
Actual V					Date	<u></u>	F
						3MRP upda	ited as of 31 Dec
Critical	ning Work	VEHICLE CLEARANCE PLAZAS AND ANCILLAR Page 16 of 20	T BUILDINGS ANL	J FAGILITIES			ited as of 31 Jan
		Page 16 of 20			28-Feb-17		ited as of 28 Feb



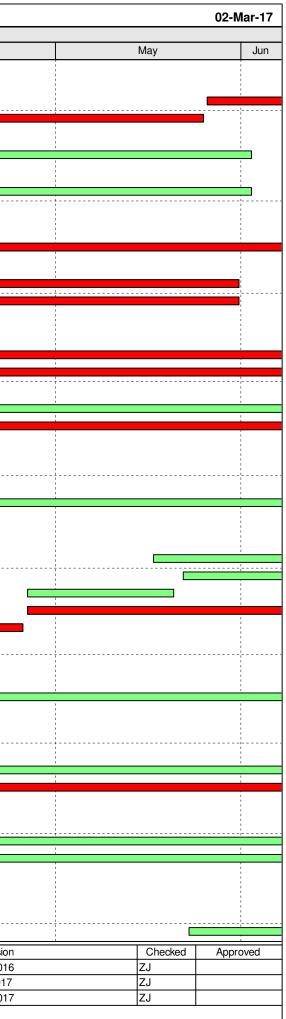
	indary Crossing Facilities - Vehicle Clearance Plazas and	Ancillary Buildings and Facilities				
Activity ID	Activity Name					2017
Deedwork			Feb	M	ar	Apr
Roadwork						
ER4360	Rigid Pavement (173 m3), Footpath & EVA, Stage 1 (Northern)				_	
ER4350	Bitumen Pavement (20000 ton), Stage 1 (Northern)			1 1 1		1
ER4320	Subbase (15400 ton), Stage 1 (Northern)			1		
Sign Gant						
ES5150	Fabrication & Delivery of Sign Gantrys to Site					· · · · · · · · · · · · · · · · · · ·
ES5130	Testing for P-bored Piles					
ES0140	Sign Gantry DS104 P-bored Piling, 8 Nr.					
	K, L, M, S & T					
Portion K E						
	D Observation Guard Booth No. 1, Portion K					
A00230	Superstructure					
A00220	Raft Foundation					
A00210	Excavation + Blinding					
002 - C&E	D Observation Guard Booth No. 2, Portion K					
B00230	Superstructure					
B00220	Raft Foundation					1
B00210	Excavation + Blinding					
Portion M I	Buildings					
108 - C&E	D Mobile X-ray Operation Office, Portion M					
B10860	BS for Office Accommodations (KD9)					
B10850	Finishing			· · · · · · · · · · · · · · · · · · ·		
B10840	Superstructure (Roof beams & Slabs)				I	
B10810	Substructure (raft Foundation)					
B10800	Excavation + Blinding					
HPL Comp	posite Panel Cladding System					
C10830	Casted-in Items Installation					
C10820	Fabrication of HPL Cladding					
104 DOH S	Screening Station, at Portion M					
C10470	Other BS + E & M Installation					
C10450	BS for Office Accommodations (KD9)					
C10440	Finishing		·	- L		!
C10430	Structure (Raft Foundation)					
C10400	Excavation + Blinding					
Facade Er	velop Structure Installation					
D10455	Fabrication of F/C System					
D10450	Shop Drawing Submission and Approval			1		
203 - Outb	ound Coach/Shuttle Bus Exam Area & Mobile X-ray Opera	tion Area				
ER5770	Radiation Screen Wall Construction					
External W	orks					
Additiona	Works (Filling & RE Slope), SA1					
ED3420	Fill Slope around C2 abutments					
ED3410	C2 Contractor to complete abutment at the North (2 nos.)					
ED3320	Fill Platform from +11.5PD to near PCB (South)					
ED3230	C1 Contractor to Completed cooling mains at east Portion (Stag	e 2)				
	ion of Slopes	,				
ED3550	Construction of fill slope (North)			L		
ED3510	Footing for the Planter Wall, RE slope (North & West)					
ED3440	Construction of fill slope (Stage 2) (East)					
			Li	i		
Actual V	Vork	THREE MONTH I	ROLLING PROGRAMME		Date	Revisi
	ing Work	VEHICLE CLEARANCE PLAZAS ANI		ND FACILITIES		MRP updated as of 31 Dec. 20
Critical	-		ge 17 of 20			MRP updated as of 31 Jan. 201
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•	C2 Contractor	to complete	abutme	nt at the
۵	C1 Contractor t	o Complete	d coolind	mains
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on		Checked	Appro	ved
16		ZJ	rr -	
17 17		ZJ ZJ		

ity ID	Activity Name					2017
			Feb	Ma	ar	Apr
ED3430	Construction of fill slope (Stage 1) (East)					
_Drainage V				 		
ED4490	Sewerage (78m & 2MHs), Stage 1 (Eastern)			- - -		-
ED4370	Drainage Works (1477m & 81MHs), Stage 1 (Eastern)					<u></u>
Waterpipe						
EW4390	Flushing Water Main Laying (13m), Stage 1 (Eastern)					
EW4380	Fresh Water Main Laying (608m), Stage 1 (Eastern)					
Duct Layin	ng for Utilities/Telecom Cabling, TCSS & Lighting					
EU5450	Duct & Cable Laying for TCSS & Lighting					
Roadwork	s					
ER4510	Rigid Pavement (750 m3) & Footpath, Stage 1 (Eastern)					
ER4500	Bitumen Pavement (4500 ton), Stage 1 (Eastern)					
ER4470	Subbase (4600 ton), Stage 1 (Eastern)					
Canopy an	nd Covered Walkway					
	Shop drawing, Approved & Fabrication	i				
PORTION						
Portion N S						
Box Culve				; 		
Bored Pile				1		
SB0590	Box B - Foundation: Revised as pre-bored H-Piles					
SB0560	Install H-piles			1		
	rt Structure			1 		
SB0730	Box B - Outfall Structure			1 1 1		
SB0722	Box B - Temporary Works for Construction of Outfall Structure	_				
SB0720 SB0710	Box B - Construction (Stage 2)					
	Box B - Construction (Stage 1)					
Portion N E				, 		
	Screening Station, at Portion N					
E10430	Other BS + E & M Installation					
E10410	BS for Office Accommodations (KD9)					
C10420	Finishing			1 1 1		
C10410	Structure (Raft Foundation)			¦ 		
C10405	Excavation + Blinding (+ PL Test)					
	velop Structure Installation					
D10415	Fabrication of F/C System					
	Shop Drawing Submission and Approval					
	Detention Area Guard Booth			, , , ,		
E10660	Other BS + E & M Installation					
E10640	BS for Office Accommodations (KD9)					
A10640	Finishing			1 1 1		
A10610	Structure (Raft Foundation)					
A10600	Excavation + Blinding					,
	velop Structure Installation					
B10615	Fabrication of F/C System			1		
B10610	Shop Drawing Submission and Approval					
	Mobile X-ray Operation Office, Portion N					
A10750	Finishing (KD9)					
A10740	Superstructure					
A10710	Substructure (Raft Foundation)					
A	Not				Date	R
Actual W						IRP updated as of 31 Dec
	ing Work	VEHICLE CLEARANCE PLAZAS AND		NU FACILITIES		IRP updated as of 31 Jan
Critical		Page	18 of 20		28-Feb-17 3M	IRP updated as of 28 Feb

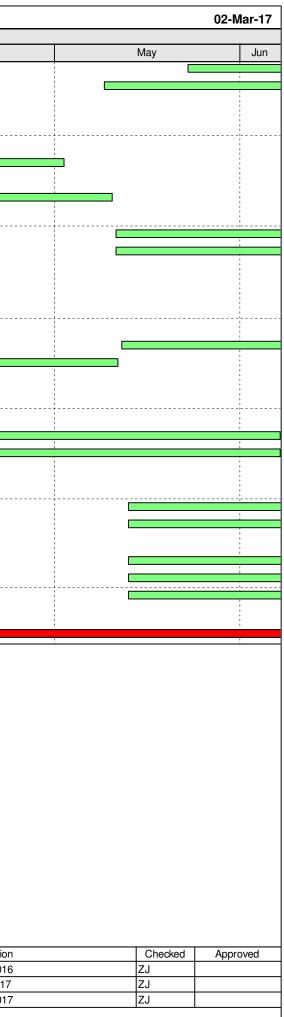


/ity ID	Activity Name				2017
		Feb	N	Mar	Apr
A10700	Excavation + Blinding				1
-	posite Panel Cladding System				
B10720	Fabrication of HPL Composite Panel System		·····		
B10710	Shop Drawing Submission and Approval				
	und/Outbound Vehicle Dectection Area		1 1 1		
ER5810	Construction of the Area and Access to the Interface Contractor				
	ound Cargo Mobile X-ray Opeartion Area				1 1 1
ER5790	Radiation Screen Wall Construction				
External W	orks for Portion N				1
_Works in I	Location 1.7A				
EU1540	ELV Works & T&C in Location 1.7A				
Drainage I	Works				1 1 1
ED4650	Sewerage (383m & 12MHs), Stage 1 (Southern)				l
ED4620	Drainage Works (964m & 56MHs), Stage 1 (Southern)				
AS0150	Initial Survey				
Waterpipe					
EW4540	Flushing Water Main Laying (413m)				
EW4530	Fresh Water Main Laying (641m)				
	ng for Utilities/Telecom Cabling, TCSS & Lighting				, ,
EU5470	Duct & Cable Laying for TCSS & Lighting				
EU5460	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV				
PORTION					
					, , , ,
Portion Str			·		
Retaining	Wall RW1				, 1 1
RW1110	Construction of Retaining Wall RW1 (U-shape, 5 bays)				l
Portion P E	Buildings				1 1 1
105 IMMD	Guard Booth, Portion P				1 1
E10520	Other BS + E & M Installation				
E10510	BS + E&M for Office Accommodation (KD10)				
E10500	BS for Office Accommodations (KD9)				,
A10540	Finishing				
A10530	On Grade Ground Slab				
A10520	Substructure (Raft Foundation)				
A10510	Excavation + Blinding				
Facade En	velop Structure Installation				1
A10565	Fabrication of F/C System				
A10560	Shop Drawing Submission and Approval				
External W	orks for Portion P				
Drainage					
ED4790	Sewerage (269m & 7MHs)				1
ED4670	Drainage Works (2957m & 128MHs)				1
AS0160	Initial Survey				
Waterpipe					
EW4690	Flushing Water Main Laying (455m)				
EW4680	Fresh Water Main Laying (1270m)				
	ng for Utilities/Telecom Cabling, TCSS & Lighting				
EU5640	Access date to Telephone Companies		Access date to	Telephone Compar	nies
Roadwork					
ER4810	Rigid Pavement (220 m3), Footpath & EVA				
Actual V	Vork	THREE MONTH ROLLING PROGRAM	MF	Date	ſ
	ing Work	VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILD			RP updated as of 31 De
		Page 19 of 20	INGO AND FAULTHES		RP updated as of 31 Jar
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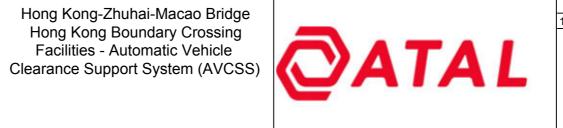
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Laying (614m)					
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d R (11 (12 (12) (12) (12) (12) (12) (12) (ding R & 7MHs) (1040m & 70MHs) lain Laying (222m) a Laying (614m) <i>lecom Cabling, TCSS & Lighting</i> ring for TCSS & Lighting ring for TCSS & Lighting ring for Utilities/Telecom, CLP, BS & ELV urement for Irrigation System	ding R & 7MHs) (1040m & 70MHs) lain Laying (222m) h Laying (614m) lecom Cabling, TCSS & Lighting ring for TCSS & Lighting ring for TCSS & Lighting	ding A A & 7MHs) (1040m & 70MHs) lain Laying (222m) a Laying (614m) lecom Cabling, TCSS & Lighting ing for TCSS & Lighting ing for TCSS & Lighting ing for Utilities/Telecom, CLP, BS & ELV	ding A A & 7MHs) (1040m & 70MHs) lain Laying (222m) a Laying (614m) lecom Cabling, TCSS & Lighting ing for TCSS & Lighting ing for TCSS & Lighting ing for Utilities/Telecom, CLP, BS & ELV	ding ding A A A A A A A A A A A A A

Actual Work	THREE MONTH ROLLING PROGRAMME	Date	Revisi
Remaining Work	VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES	31-Dec-16	3MRP updated as of 31 Dec. 20
		01-Feb-17	3MRP updated as of 31 Jan. 201
Critical	Page 20 of 20	28-Feb-17	3MRP updated as of 28 Feb. 20
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15	/2013/06		Detail Wo								_						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				i i i			
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 5 5 4	4 4 5 4 - 7 4 -	! !			4 5 5-	/ed by Engineer		
A6890	Detailed Interface Document Submission between C6 and C3	30 16-May-16	14-Jun-16	76					1.1.1.1.1.	etailed Interfa			1 I I I I	1 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	-					·		++	+	- +	++		+ + +	+	
A4790A4800	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			1 1 1	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
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- Critical Remaining Work
- Milestone ٠
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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 wit	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 İnspe	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		f 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
A5370 Joir A5375 Pre A5375 Pre A5378 Joir A5380 Pre A5390 Joir A5395 Pre A5396 Joir A5400 Pre A5410 Joir A5420 Pre	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	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	161 145 145									re¦Site a		acility In	5 I I I		ontract	1 1 1			16 - De	
A5375 Pre A5378 Joir A5378 Joir A5380 Pre A5390 Joir A5395 Pre A5396 Joir A5400 Pre A5410 Joir A5420 Pre A5430 Joir	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 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 - Deg1 e Site and Facility Inspection by Contractor at Location 18 - Deg2 mt 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	17-Nov-16* 24-Nov-16* 31-Jan-17* 07-Feb-17 24-May-17*	23-Nov-16 30-Nov-16 06-Feb-17 13-Feb-17	145 145				1 1 1	1 1		1 1			and F	+	ispecti	3 Look		ace Con	tractor	cht ladatio	1 [:] 16 [:] - De	
A5378 Joir A5380 Pre A5380 Joir A5390 Joir A5395 Pre A5396 Joir A5400 Pre A5410 Joir A5420 Pre A5430 Joir	nt Site and Facility Inspection with Interface Contractor at Location 17 - Deg1 e Site and Facility Inspection by Contractor at Location 17 - Deg2 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 with Interface Contractor at Location 18 - Deg1 e Site and Facility Inspection by 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 nt Site and Facility Inspection with Interface Contractor at Location 18 - Deg2	7 7 7 7 7 7 7	24-Nov-16* 31-Jan-17* 07-Feb-17 24-May-17*	30-Nov-16 06-Feb-17 13-Feb-17	145		1 I I							Joint Site	+	the states of		onwith	Interf					2g2
A5380 Pre A5390 Joir A5395 Pre A5396 Joir A5396 Joir A5400 Pre A5410 Joir A5420 Pre A5430 Joir	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 by Contractor at Location 18 - Deg1 Int Site and Facility Inspection with Interface Contractor at Location 18 - Deg1 e Site and Facility Inspection by Contractor at Location 18 - Deg2 is 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	31-Jan-17* 07-Feb-17 24-May-17*	06-Feb-17 13-Feb-17									0 P	re Site a	nd Fac	cility insp	ection	by Co	ntracto	or at Loc	ation 1	17 - Deg1		
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	111	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	bound 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.	- 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 با د با د				- 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	-¦16*
	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]				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							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
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- summary



		Otent	End 1		-	045				001		1		0017	0010		0010
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	1 1 1 1
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 . <u>.</u>	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	h 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												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 Dl Kiosk (100))-Deg1 (400d) 0 17-Sep-16* 206 Dl 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 ↓ 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
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ontract No.: HY	/2013/00			Detail Wo	JIN I TOYIC							1										i uų	ge 5 c
vity ID	Activity Name	Original	Start	Finish	Total	2	2015				20	016				2017				2018			2019
		Duration			Float	Q2	C	23	Q4	Q1	Q2	Q3	Q4	Q1		_	_	_			Q3 Q4	Q1	1 (
A1390	Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d)		17-Sep-16*		227													6 1	- LTÌ		7-\$ep-16*		
A1400	Location 16(Outbd Traffic Control Kiosk (101))-Deg2 (480d)	-	06-Dec-16*		161														1 1 1		80d), 06-D		
A1410	Location 17(Inbd Private Car Exam Bldg(033))-Deg1 (-)	-	01-Dec-16*		145								•), 01-Dec-1		
A1420	Location 17(Inbd Private Car Exam Bldg(033))-Deg2 (550d)	-	14-Feb-17*		77									•			1 I I I	1 1 1	1 1 1	1 1 1	0eg2 (550d		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	Underground Ducting between Inbd Cargo Exam Bldg (037) and DOH Cargo Clearance Bldg (043) and CUE	0	29-Jun-16*		167						•	🔶 Und	erground	Ducting) betwee	n Inbd C	argo Exa	am Bldg	(037) aı	nd DO⊦	l Cargo Cle	arance F	Bldg (¢
😑 A1462	Underground Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clearance Plaza	0	29-Jun-16*		228																Vehicle Cle		Plaża,
🔲 A1463	Underground Ducting between CUE and Outbd Car Exam Bldg (023)	0	29-Jun-16*		230							🔶 Und	erground	Ducting	g betwee	n CUE a	nd Outbo	d Car Ex	cam Bldç	g (023),	29-Jun-16	*	
😑 A1464	Underground Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle Clearance Plaza		29-Jun-16*		262												-				tbd Vehicle		ice Pla
A1465	Underground Ducting between CUE and Outbd Vehicle Clearance Plaza	0	29-Jun-16*		262		11				: : : •		7 1 1	т I Т	T I I I						za, 29-Jun-		
😑 A1466	Underground Ducting between CUE and Inbd P. Car Annex (025) and Shuttle Bus Kiosks (006)	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	Underground Ducting between PCB(001) and Inbd Coach Kiosks(010)	0	13-Aug-16*		105							•	Undergro	und Du	icting bet	ween PC	CB(001)	and Inbd	l Coach	Kiosks	010), 13-A	µg-16*	
🔲 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				
A7000	Inbound VID foundation and mounting structure (assume same as Access date of Inbound Vehicle Clearance Plaza)	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 Inbound Vehicle Clearance Plaza)	0	14-Feb-17*		16									•	Inbound	VTS fou	undation	and mou	unting p	oles (as	sume same	as Acce	ess dat
💼 A7020	Inbound TLS foundation and mounting poles (assume same as Access date of Inbound Vehicle Clearance Plaza)	0	14-Feb-17*		24		·							•	Inbound	TLS fou	Indation	and mou	inting pr	oles (as	sume same	as Acce	ss dat
🛑 A7030	Outbound VID foundation and mounting structure (assume same as Access date of Outbound Vehicle Clearance Plaza)	0	17-Mar-17		1										 Outb 	ound VIE) foundat	tion and	mountir	ng struc	ture (assun	ie same	as Ac
🛑 A7040	Outbound VTS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza)		17-Mar-17		17																s (assume s		
😑 A7050	Outbound TLS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza)		17-Mar-17		36											pund TL	S founda	ation and	mountir	ng pole	s (assume s	ame as <i>l</i>	Acces
ng WA4 Site	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		+							
A1800	Trial pit excavation		14-Sep-15	14-Sep-15	1234			Т	rial pit e	excavati	on l												
A1801	Excavation for chain-link fence footing		14-Sep-15	18-Sep-15	1230			1 1	1 1 1	1 1	hain-link	fence f	ootina										
A4540	Underground Utility detection		28-Oct-15*	28-Oct-15	1190				1 1 1		d Utility o	1 1 1											
A4550	Delivery of asphalt and fencing materials		30-Oct-15*	30-Oct-15	1188		11		1 1 1	T I			ing mater	iale									
A4560			02-Nov-15*	03-Nov-15	1184		· ÷ · ÷				tala karakar	4 4 4				matorial							
	Trimming and leveling soil surface for paving asphalt material								1 1 1	1 1		1 1 1	urface fo				I I I I						
A4570	Remove the vegetation and lose material on the soil surface by backhoe		02-Nov-15*	03-Nov-15	1184								l lose mat			Sunacel	wy wackni	ve					
— A4580	Set out the alignment and level of the u-channel	1	02-Nov-15*	02-Nov-15	1185				, set		anynmer	il atio	evel of the	= u-chai	i i i i i i i i i i i i i i i i i i i				<u> </u>				
ogramme No.: H ata Date: 14-Aug			Hon	Kong-Zhu g Kong Bo cilities - Au	oundary	Cros	sing						_				Date 14-Nov-1		Revis Rev.: 0	sion	Checke WC	d /	Appro
	Critical Remaining Work Milestone			nce Suppo				SS)	6	_	1	F	T,	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												
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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
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	1 1 1	
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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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					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					1 1 1 1		
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	
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	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	د <del>(</del> ا	
	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

ID	Activity Name	Original Start	Finish	Total	20	15			20	)16				2017				2018			20
		Duration		Float	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		3 (	Q4 C	21		23 (	24 (	Q1
🔲 A2093	VTS WS Installation	49 14-Feb-17	03-Apr-17	0									📕 УТ	SWSI	nstallatio	on					
🔲 A2094	VID WS Installation	49 14-Feb-17	03-Apr-17	0									📫 Vic	) WS In	stallatio	n					
🔲 A2096	SURCON, SYSCON, WS Tuning	49 04-Apr-17	22-May-17	0										SURC	ON, SY	SCON, V	VS Tur	ling			
Location	3a(Inbd Cargo Exam Bldg Main Server Room)	133 10-Jan-17	22-May-17	0								-		22-Ma	ıy-17, L	ocation 3	a(Inbd	Cargo Ex	am Bldg	Main Se	rvęr F
🔲 A3330	Cable Laying and termination in Location 3 and Location 3a	35 10-Jan-17	13-Feb-17	0				+					+ !	-1+				n 3 and L			
<b>a</b> A3340	AVCSS Server Installation	30 04-Apr-17	03-May-17	0									i 💻 .	AVCSS	Server	Installatio	n				
A3350	VTS Server Installation	30 04-Apr-17	03-May-17	0								: : :	i 🖬 🖓	VTS Se	rverIns	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	±xam Bldg	(023) N		, m
		21 14-Feb-17	06-Mar-17	0				+				F F - 4 -	+ i	++-				h CUE ah			
	4 and 4a(Outbd Cargo Exam Bidg (023) ROCARS Room)	77 07-Mar-17	22-May-17	0										1 1- 1-				(Outbd C			(023)
A3370	Cable Laying and termination in Location 4 and 4a	35 07-Mar-17	10-Apr-17	0								1 1 1		1 1 1	- 1 - 1		1 1	ocation 4	T I I	2.09	
A3380	AVCSS SYSCON, SURCON and Intercom Installation	14 05-Mav-17	18-May-17	0									- i i			- i i i	i i	nd Interco	i i i	lation	
-	VTS WS Installation	14 05-May-17	18-May-17	0									1 1	VTSV		1 1 1			JIII IIIIStai	auon	
	SYSCON, SURCON, WS Tuning	4 19-May-17	-	0									+			IRCON, V	NC T	l			
A3400		4 19-May-17 131 13-Sep-16	22-May-17 21-Jan-17	68										1 1 1			1 1	closure &	Cheff C.	buch	
_	5(Common Utility Enclosure & Staff Subway)			68							1 1 1	1 1 1		1 1 1	- 1 - 1 - 1		1.5.1	ciosure &	Stan Sul	oway)	
A3430	Cable Laying between Location 5 and Location 7	28 13-Sep-16	10-Oct-16	0								1 1 1				and Locati					
<b>a</b> A3440	Cable Laying between Location 5 and Location 6	28 15-Nov-16	12-Dec-16	0									1 - 1 -			ion 5 and		n 6			
<b>A</b> 3480	ODB Switch Installation at EL Room 2-7	14 08-Jan-17	21-Jan-17	68				+				÷ i	+	-i÷÷-		it EL Rooi		· · · · · ·	! + +		
	6(Common Utility Enclosure & Staff Subway)	42 15-Nov-16	26-Dec-16	94								1 1 1						sure & St	aff Subw	vay)	
<b>—</b> A3450	Cable Laying between Location 5 and Location 6	28 15-Nov-16	12-Dec-16	0										1 1 1		ion 5 and					
🔲 A3490	ODB Switch Installation at EL Room 8-9,11-12	14 13-Dec-16	26-Dec-16	94												L 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	ility Enclos	sure &	Staff Sub	vay)		
🛑 A3470	Cable Laying between Location 5 and Location 7	28 13-Sep-16	10-Oct-16	0							Cable	a Laying	g betwe	en Loca	ation 5 a	and Locati	on 7				
Location	12(Inbd Private Car Kiosks,GV Kiosks (027,028,029))	195 17-Sep-16	31-Mar-17	0						V			31-	Mar-17	Locatio	on 12(Inbo	d Priva	e Car Kio	sks,GV K	Kiosks (0	27,02
🔚 Inbd Pr	ivate Car Kiosks(027) - 9 nos (Phase 1)	134 11-Oct-16	22-Feb-17	0							-		22-Feb	o-17, Inl	od Priva	te Car Ki	osks(02	7) - 9 nos	(Phase	1)	
📄 A245	2 Cable Containment in Kiosks	14 11-Oct-16	24-Oct-16	0							Cat	le Con	tainmer	nt in Kio	sks						
🔲 A245	i3 Cable Laying and termination	10 25-Oct-16	03-Nov-16	0							📕 Ca	ble Lay	/inˈg aˈnd	termina	ation						
🔲 A245	i4 Cable Splicing, Testing and Labeling	65 04-Nov-16	07-Jan-17	0							. 💻	Cab	ole Splic	ing, Tes	ting and	d Labeling					
🔲 A246	0 AVCSS/DOH/MOM Kiosk Equipment Installation (9 nos)	45 08-Jan-17	21-Feb-17	0				+					AVCSS	DOH/N	/OM Kid	osk Equip	ment Ir	stallation	(9 nos)		
🔲 A247	0 ODB & XDB installation (9 nos)	16 06-Feb-17	21-Feb-17	0									ODB &	XDB in	stallatio	n (9 nos)					
	0 Inbd Private Car Kiosk Installation Complete	0 22-Feb-17		0								1 1 1	1 1	1 1 1		i i i	on Con	plete, 22	Feb-17		
	oods Vehicle Kiosks(028) - 5 nos (Phase 1)	195 17-Sep-16	31-Mar-17	0						▼				1 1 1				sks(028)			
	2 Cable Containment in Kiosks	14 17-Sep-16	30-Sep-16	0							Çable	Contai		1 1 1	1 1 1						
	33 Cable Laying and termination	10 01-Oct-16	10-Oct-16	0				+			Cable	+	+ i	-1++-							
	44 Cable Splicing, Testing and Labeling	134 11-Oct-16	21-Feb-17	0								: : :				and Lab	elina				ł
	0 AVCSS/DOH/MOM Kiosk Equipment Installation (5 nos)	37 22-Feb-17	30-Mar-17	0								1 1 1		1 I I			1 1	nt Installat	ion (5 no	) ()	
	0 A/CCC/DCI //MON (Cost Equipment installation (5 nos)	37 22-Feb-17	30-Mar-17	0																,	
	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	- i - îi	ation (5 n	06)				
	0 Inbd Goods Vehicle Kiosks Installation Complete	0 31-Mar-17	30-1vial - 17	0				++					+ i ·	-i++-				on Come	ata 21 M	/ar_17	
	Goods Vehicle Klosks Installation Complete Goods Vehicle Klosks(029) - 5 nos (Phase 1)	147 04-Nov-16	31-Mar-17	0														on Compl iosks(029			1
	2 Cable Containment in Kiosks		17-Nov-16	0										1 1 1				10313(029	, - 5 tios	(Findse	1
		14 04-Nov-16		0								1 1 1	ontainm								
	<ul> <li>Cable Laying and termination</li> <li>Cable Solition Testing and Labeling</li> </ul>	10 18-Nov-16	27-Nov-16	0								1 1 1	aying a	1 1 1		1 1 - h - P					
	<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				+ +	4			F F	+			d Labeling		etallation	(5'nos)		
A258		37 US-Jan-17	13-FED-1/	U			: : :	: : :			: : :	:=;	44022	יְטְחִאוֹש		sĸ¦⊏quipr	nencin	stallation	(S HOS)		1
amme No.: HZ	ZMB-DWP Actual Level of Effort	Hone	g Kong-Zhu	ihai_Ma	Icao Pr	idae									D	ate		vision	Chec	ked	Ар
Date: 14-Aug-			y NUNY-ZIIL			inde		_							14-Nov	/-16	Rev.: 0		WC	l	C
Date. 14-Aug-	Remaining Work	Hor	ng Kong Bo cilities - Au nce Suppo	Jundary		ing															
		Fa	cilities - Au	itomatic	: Vehic	le															
	Critical Remaining Work		-				· /														

- summary



	IY/2013/06		Detail Wo			145		_						0047			0040		Page	ge 10
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 (	2018 22 C	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 (Phr
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 I I I			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	015 Q3	Q4	Q1	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		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



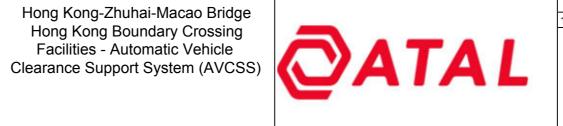
htract No.: HY		Original	Otant	Detail Wo	· · · · · ·						10		Page 12
y ID	Activity Name	Original Duration	Start	Finish	Total Float	2015			01	20		01	
A4420	Engineering Support for Phase 1/Section I	100	25-Jul-17	30-Jan-18	0	Q2	Q3 (	24	Q1	Q2	Q3	Q4	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1
			13-Aug-16	11-Nov-16	0						_	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				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 (	19 <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			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 Wo	rk Progra	mme										
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											
	ng 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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Engin	eer App	roval for	Т&(	C Þo	cume	nt					
Initial	on-site T	Testing &	Co	mmis	sionir	ng					ł
		ceptance	⊢ − − ⊢		+ +						
		ration Ac	: :		: :					-	-
	▼ 30-	Jan-18, (	Con	npleti	on (P	has	≥ 2 /	Sec	tion	1H)	1
	I AV	CSS - Ce	rtifi	cate	of Co	mple	etion	(Ph	ase	2/S	ėc
		tificate o			1 1						r,
	▼ 31-	Jan-18, (	Ope	rațio	h (Ph	ase	2/8	ecti	on¦II	I)	l
	🔶 Site	Operati	on (	Phas	e 2/S	Section	on¦ll	& II	), 3	1-¦Ja	a'n-
								30-	Ja'n-	19,	Þ
				;	: :	: :		₽LĘ			-
		16-Mar-	18,	Doc	umen	t Su	bmis	sion	(Pł	naise	e 2
	i i i	As-built	Dra	wing	s and	08	мм	anu	al		
				1							
Date	_	Revision			hecke	ed			orov	ed	
Nov-16	Rev	.: U		WC			LC	;			

## MATERIALAB CONSULTANTS LIMITED

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/0728

Appendix D

**Event / Action Plan** 

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## 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		Act	ion	
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		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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Report No.: 0165/15/ED/0728

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 <u>2017</u> (year)

Name of Person completing the Record: Marko Chan

	Actual Qu	antities of Ine	ert C&D Mater	ials Generate	d Monthly	Actual Qua	ntities of Non-	-inert C&D Wa	astes Generat	ted 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
	2	(see Note 1)	2	-	2	(; (000.14.)		(see Note 2)	(; (000 K))	_
	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)	(in '000m ³ )
Jan	0.000	0	0	0	0.000	0	0	0	0	0.580
Feb	0.000	0	0	0	0.000	0	0	0	0	0.585
Mar										
Apr										
May										
Jun										
Jul										
Aug										
Sept										
Oct										
Nov										
Dec										
Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.165

Notes:

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

# Monthly Summary of Excavated Marine Sediment for 2017 (year)

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	0.656 0		0	0.656
Feb	0.264	0	0	0.264
Mar				
Apr				
Мау				
Jun				
Jul				
Aug				
Sep				
Oct				
Nov				
Dec				
Total	0.920	0.000	0.000	0.920



#### Monthly Summary Waste Flow Table for 2017

			&D Waste c (in tonnes) (	-			disp 非墮h	Non-inert C&D Waste disposal 非堕性廢物 (in tonnes)										
Month	Reused in the Work Package (e.g. backfilling) 再用於工程 (如回填)		Reused in other Projects 再用於其他工程		Inert Waste (e.g. soil, broken concrete, rubble, fill material etc.) 墮性廢物 (如泥, 石矢頭, 石, 填 料等)		Others (e.g. general refuse, broken formwork etc) 其他 (如垃圾,廢板枋等)		Metals Plastic 金屬 塑膠		Paper/cardboard packaging 廢紙/包裝紙類		Chemica 化學	al Waste ŀ廢物	Total Quantity Generated 總生產量			
	(t	<b>)</b>	(0	c)	(0	(k	(	e)	(in to	nnes)	(in to	nnes)	(in to	nnes)	(in l	litre)	(a)= (b-	+c+d+e)
	Est. Qty. 估計數量	Act. Qty. 實際數量	Est. Qty. 估計數量	Act. Qty. 實際數量	Est. Qty. 估計數量	Act. Qty. 實際數量	Est. Qty. 估計數量	Act. Qty. 實際數量	Est. Qty. 估計數量	Act. Qty. 實際數量	Est. Qty. 估計數量	Act. Qty. 實際數量	Est. Qty. 估計數量	Act. Qty. 實際數量	Est. Qty. 估計數量	Act. Qty. 實際數量	Est. Qty. 估計數量	Act. Qty. 實際數量
January	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
February	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
March																		
April																		
Мау																		
June																		
July																		
August																		
September																		
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	0.004	0.004	0.000	0.000	0.004	0.004

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/0728

Appendix F

**Environmental Licenses and Permits** 

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

Itama		Dome't No	Work Area	Application Data	Janua Data	Valid	Date	Ctatura	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)	WT00025384-2016	Main Site Area	09-Mar-16	10-Nov-16	10-Nov-16	30-Sep-20	Valid	
9	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	
10	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS1267-16	Main Site Area	02-Dec-16	16-Dec-16	19-Dec-16	18-Mar-17	Valid	
11	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS1329-16	Main Site Area	09-Dec-16	23-Dec-16	01-Jan-17	30-Apr-17	Valid	
12	Permit issued Under the Dumping at Sea Ordinance	EP/MD/17-161	East of Sha Chau (CMP Vd)	15-Dec-16	04-Jan-17	05-Jan-17	04-Feb-17	Valid Until 04-Feb-17	
13	Permit issued Under the Dumping at Sea Ordinance	EP/MD/17-170	East of Sha Chau (CMP Vd)	12-Jan-17	24-Jan-17	05-Feb-17	04-Mar-17	Valid	

# (update: 04/03/2017)

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

Itaan	Permit/Licence Registration	Downeit No	Work Area	Application Date	Issue Date	Valid Date		Status	Remark
Item	Permit/Licence Registration	Permit No.		Application Date	Issue Date	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	LF-333/2009/K							
	Billing A/C for Construction Waste Disposal			07-Aug-15	20-Aug-15	20-Aug-15	Nil	Valid	
2	Pursuant to Section 6 & 9 of the Waste Disposal (Charges for	A/C No. 7023015	Main Site Area						
	Disposal of Construction waste) Regulation								
3	Registration as Waste Producer	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	#
5	Pursuant to Waste Disposal (Chemical Waste) (General) Regulation	IN.A.	IN.A.	IN.A.	N.A.				

# The Contractor of Contract No. HY/2013/06 was advised to register as a chemical waste producer when chemical waste is expected to generate for the foreseeable future from the operations.

## (update: 04/03/2017)

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Report No.: 0165/15/ED/0728

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		Recommended Mitigation Measures	Location of the	Implementation Status
	Log Ref.		measures	Status
		<ul> <li>transparent cover for elevated footbridges) to provide harmonious atmosphere of the HKBCF; and</li> <li>Fine-tuning the sizes of the structural members to minimize the bulkiness of buildings and adjustment of</li> </ul>		
		building arrangement to minimise disturbance to		
Landscape	& Visual (C	surrounding vegetation in the HKBCF.		
S14.3.3.3	LV2	Mitigate both Landscape and Visual Impacts G1. Grass-hydroseed bare soil surface and stock pile areas. G2. Add planting strip and automatic irrigation system if	HKBCF	N/A
		<ul><li>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</li></ul>		
		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		
		<ul> <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</li> </ul>		
		removed G7. Providing planting area around peripheral of HKBCF for tree planting screening effect; G8. Plant salt-tolerant native and shrubs etc along the		
		<ul> <li>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 screen buffer to enhance "natural-look" of the new coastline.</li> </ul>		
S14.3.3.3	LV3	<ul> <li>Mitigate Visual Impacts</li> <li>V1. 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>	HKBCF	N/A
EM&A	<b>E</b> 144	An Indexeduct Frederic Observer and the bar	A.II.	
S15.2.2	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</li> </ol>	All construction sites	V
		implementing by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.		

Legend: V = implemented;

N/A = not applicable

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Appendix H

Statistics on Environmental Complaints, Notification of Summons and Successful Prosecutions

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

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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	0	0	0
From commencement	5	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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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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## 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 February 2017

			Feb-2017			
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Environmental Site Inspection	3	4
5	6	7	8	9 Environmental Site Inspection	10	11
12	13	14	15	16 Environmental Site Inspection	17	18
19	20	21	22	23	24 Environmental Site Inspection	25
26	27	28				

#### Tentative Environmental Site Inspection Schedule for March 2017

			Mar-2017			
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Environmental Site Inspection	3	4
5	6	7	8	9 Environmental Site Inspection	10	11
12	13	14	15	16 Environmental Site Inspection	17	18
19	20	21	22	23	24 Environmental Site Inspection	25
26	27	28	29	30 Environmental Site Inspection	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/0728

## 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 February 2017

			Feb-2017			
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Environmental Site Inspection	3	4
5	6	7	8	9 Environmental Site Inspection	10	11
12	13	14	15	16 Environmental Site Inspection	17	18
19	20	21	22	23	24 Environmental Site Inspection	25
26	27	28				

#### Tentative Environmental Site Inspection Schedule for March 2017

Mar-2017						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Environmental Site Inspection	3	4
5	6	7	8	9 Environmental Site Inspection	10	11
12	13	14	15	16 Environmental Site Inspection	17	18
19	20	21	22	23	24 Environmental Site Inspection	25
26	27	28	29	30 Environmental Site Inspection	31	