

Ref.: HYDHZMBEEM00\_0\_6330L.18

14 March 2018

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. Malcolm Sage

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/2014/05 - HZMB HKBCF - Remaining Ancillary Buildings and Facilities Monthly Environmental Monitoring & Audit Report for February 2018

Reference is made to the Environmental Team's submission of Monthly Environmental Monitoring & Audit Report for February 2018 (Rev. 1) certified by the ET Leader (ET's ref.: "5140819/18.30/OC048/KC/RL" dated 14 March 2018) and provided to us via e-mail on 14 March 2018.

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 Hong Kong Limited

Raymond Dai Independent Environmental Checker

c.c.	HyD	Mr. Vico Cheung	(By Fax: 3188 6614)
	HyD	Mr. Ken Woo	(By Fax: 3188 6614)
	Atkins	Mr. Keith Chau	(By Fax: 2890 6343)
	LCWJV	Mr. Iain Hubert	(By Fax: 3621 0180)
Internal: DY, YH, PSC, ENPO Site			

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Your ref. 5140819/18.30/OC048/KC/RL

Date: 14 March 2018

By Post and e-mail (Alfred.She@lcwjv.com)

Leighton – Chun Wo Joint Venture 39/F Sun Hung Kai Centre 30 Harbour Road Hong Kong

Attn: Mr. Alfred She

Dear Mr. She,

Contract No. HY/2014/05 Hong Kong – Zhuhai – Macao Bridge Hong Kong Boundary Crossing Facilities – Remaining Ancillary Buildings and Facilities Certification of Monthly EM&A Report No. 24

Atkins China Limited certifies, in the capacity of Environmental Team Leader, that the Monthly EM&A Report No. 24 for February 2018 (Revision 1) conforms the requirements provided in Condition 5.4 of the Environmental Permit No. EP-353/2009/K.

Yours faithfully, for and on behalf of Atkins China Limited

Keith Chau Environmental Team Leader

CC.

- 1. AECOM Mr. Malcolm Sage (By Fax.: 3468 2076)
- 2. IEC/ENPO Mr. Raymond Dai & Mr. Y.H. Hui (By Fax.: 3465 2899)



# Contract No. HY/2014/05

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Remaining Ancillary Buildings and Facilities

# Monthly EM&A Report No. 24 (Covering the Period from 1 February 2018 to 28 February 2018)

9 March 2018

**Revision 1** 

Main Contractor



Leighton - Chun Wo Joint Venture **Environmental Team** 





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# Executive Summary

This Monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. HY/2014/05 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities (HZMB HKBCF) – Remaining 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 and Contract No. HY/2014/04 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Automatic Vehicle Clearance Support System and Contract No. HY/2014/04 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Gantry Type X-ray Vehicle Inspection System within Contract No. HY/2014/05 works area) (hereafter referred to as "the Contract") for the Highways Department of Hong Kong Special Administrative Region (HKSAR). Contract No. HY/2013/06 was awarded to Leighton – Chun Wo Joint Venture (construction works of Contract No. HY/2013/06 was awarded to ATAL Technologies Limited and Contract No. HY/2014/04 was awarded to Rapiscan Systems Pte Ltd within Contract No. HY/2014/05 works area) (hereafter referred to as "the Contractor") and Atkins China Limited was appointed as the Environmental Team (ET) by the Contractor.

Contract No. HY/2014/05 (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area) is part of HZMB HKBCF Project which is a "Designated Project" under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap 499) and Environmental Impact Assessment (EIA) Report (Register No. AEIAR-145/2009) was prepared for the Project. The current Environmental Permit (EP) No. EP-353/2009/K for HKBCF was issued on 11 April 2016. These documents are available through the EIA Ordinance Register. The construction works of the Contract No. HY/2014/05 commenced on 29 February 2016 while the construction works of the Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area commenced on 3 January 2017 and 13 February 2017 respectively.

Atkins China Limited 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 to the Contract.

This is the twenty-forth monthly EM&A Report for the Contract No. HY/2014/05 which summarizes findings of the EM&A works during the reporting period from 1 to 28 February 2018 (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area).

#### **Environmental Monitoring and Audit Progress**

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 air quality and noise monitoring works for the Contract are covered by Contract No. HY/2013/01 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities (HZMB HKBCF) – Passenger Clearance Building 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 AMS7B and noise monitoring at NMS2 and NMS3B as part of EM&A programme if these monitoring stations are no longer covered under Contract Nos. HY/2013/01 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 the Contract No. HY/2014/05 (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area) during the reporting period are listed below:

Environmental Site Inspection:

7, 12, 22 and 26 February 2018

# **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. No Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level recorded at AMS7B by the Environmental Team of Contract No. HY/2013/01 during the reporting period.

There was no Action and Limit Level exceedance for noise recorded at NMS2 and NMS3B by the Environmental Team of Contract No. HY/2013/01 during the reporting period.





# Complaint Log

There was no complaint 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 Change**

Re-location of AQM station (AMS7) for HZMB HKBCF Project was justified by the ET Leader for Contract No. HY/2013/01 on 22 January 2018; verified by the IEC on 24 January 2018; and submitted to EPD on 30 January 2018, and the AQM has been carrying out at the alternative AQM station with EPD's consent since 6 February 2018.





## Future Key Issues

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

For Contract No. HY/2014/05

- Architectural Builder's Work and Finishes (ABWF) & Mechanical, Electrical and Plumbing works (MEP) - Internal work of Buildings 021, 022, 032, 044, 045, 050H1, 050H2, 050A1, 050A2, 058
- Architectural Builder's Work and Finishes (ABWF) External work of Buildings 021, 022, 023, 025, 032, 045, 050H2, 050A1, 053, 058
- ABWF works (roof) of Buildings 025 and 050A2
- Foot Path, Utilities and Drainage installation of Buildings 045, 050H2, 053 and 058
- Roadworks of Building 025
- Green Roof of Buildings

# For Contract No. HY/2013/06 within Contract No. HY/2014/05 works area

• Buildings 023, 025 and 032 - Conduit Installation & Cabling

# For Contract No. HY/2014/04 within Contract No. HY/2014/05 works area

- Building 053 Installation of field devices
- Building 054 Installation of field devices
- Building 058 Cabling works
- Building 059 Cabling works





#### Introduction

# 1.1 Basic Project Information

- 1.1.1 This Monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. HY/2014/05 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities (HZMB HKBCF) – Remaining 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 and Contract No. HY/2014/04 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Gantry Type X-ray Vehicle Inspection System within Contract No. HY/2014/05 works area) (hereafter referred to as "the Contract") for the Highways Department of Hong Kong Special Administrative Region (HKSAR). Contract No. HY/2014/05 was awarded to Leighton – Chun Wo Joint Venture (construction works of Contract No. HY/2013/06 was awarded to ATAL Technologies Limited and Contract No. HY/2014/04 was awarded to Rapiscan Systems Pte Ltd within Contract No. HY/2014/05 works area) (hereafter referred to as "the Contract No. HY/2014/05 works area) (hereafter referred to as "the Contractor") and Atkins China Limited was appointed as the Environmental Team (ET) by the Contractor.
- 1.1.2 Contract No. HY/2014/05 (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area) is part of HZMB HKBCF which is a "Designated Project" under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap 499). An Environmental Impact Assessment (EIA) Report (Register No. AEIAR-145/2009) was prepared for the Project. The current Environmental Permit (EP) No. EP-353/2009/K for HKBCF was issued on 11 April 2016. These documents are available through the EIA Ordinance Register. The construction works of the Contract No. HY/2014/05 commenced on 29 February 2016 while the construction works of the Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area commenced on 3 January 2017 and 13 February 2017 respectively. The works areas of the Contract are shown in **Appendix A**.
- 1.1.3 The proposed works under this Contract comprise the following:

#### For Contract No. HY/2014/05

- (i) Construction of the following ancillary buildings and facilities including architectural and builder works, structural steel canopy, reinforced concrete frames, foundations, curtain wall facade, building services and electrical and mechanical works:
  - Public Toilets at Vehicle Clearance Plaza (VCP);
  - Customs and Excise Department (C&ED) Dangerous Good Store (Building 021);
  - Customs Detective Dog Base Building (Building 022);
  - C&ED Outbound Cargo Examination Building and Examination Platform (Building 023);
  - Inbound Private Car Annexure (Building 025);
  - Outbound Private Car Annexure (Building 032);
  - E&M maintenance Building (Building 044);
  - Highways Depot & Administration Building (Building 045);
  - Outbound X-ray Building (Building 053);
  - Outbound X-ray Scan Tunnel (Building 058); and
  - Inbound X-ray Scan Tunnel (Building 059).
- (ii) Construction of civil provisions, cable containment and power supply for the following systems:
  - Automatic Vehicle Clearance Support System (AVCSS) installed by Contract No. HY/2013/06; and





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- Gantry Type X-ray Vehicle Inspection System installed by Contract No. HY/2014/04.
- (iii) Supply and installation of Mobile X-ray Vehicle Inspection System and other standalone equipment;
- (iv) Construction of minor civil engineering works at the periphery of buildings;
- (v) Construction of minor Landscape hardworks and softworks; and
- (vi) Other works which are shown on Drawings or specified in the Specification or which may be ordered in accordance with the Contract.

For Contract No. HY/2013/06 within Contract No. HY/2014/05 works area

- (i) The Automatic Vehicle Clearance Support System amid to increasing traffic flow for Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities;
- (ii) Responsible for designs and develops a set of tailor-made computer monitoring and control systems to for daily security operation; and
- (iii) 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.

#### For Contract No. HY/2014/04 within Contract No. HY/2014/05 works area

- (i) The Gantry Type X-ray Vehicle Inspection System (GXRVIS) aims to provide an integrated, innovative, efficient and effective vehicle inspection system at the inbound and outbound boundary control points of Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities (HKBCF) for supporting the operations of Customs & Excise Department (C&ED);
- (ii) Design, supply, deliver to HKBCF, installation, test and commissioning and maintenance of two sets of Gantry Type X-ray Vehicle Inspection System and all related components necessary for the complete operation of the system; and
- (iii) Design, supply, install, test, commission and maintain of the Radioactive Threat Detection Systems integrated into the Gantry Type X-ray Vehicle Inspection Systems.
- 1.1.4 This is the twenty-forth Monthly EM&A Report for the Contract No. HY/2014/05 which summarizes the findings of the EM&A programme during the reporting period from 1 to 28 February 2018. (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area).

# 1.2 **Project Organisation**

1.2.1 The project organization structure and lines of communication with respect to the on-site environmental management structure is shown in **Appendix B**. The key personnel contact names and numbers are summarized in **Table 1-1**.

Party	Position	Name	Telephone	Fax	
For Contract No. HY/2014	For Contract No. HY/2014/05				
Engineer or Engineer's Representative (AECOM Asia Co. Ltd.)	Chief Registered Architect	Malcolm Sage	3958 7330	3468 2076	
Environmental Project Office / Independent Environmental Checker	Environmental Project Office Leader	Y. H. Hui	3465 2888	3465 2899	

 Table 1-1
 Contact Information of Key Personnel





Party	Position	Name	Telephone	Fax	
(Ramboll Hong Kong Limited)	Independent Environmental Checker	Raymond Dai	3465 2888	3465 2899	
Contractor	Site Agent	Albert Chan	3973 0514	3621 0180	
(Leighton – Chun Wo Joint Venture)	Environmental Officer	Alfred She	39730484	3621 0180	
Environmental Team (Atkins China Limited)	Environmental Team Leader	Keith Chau	2972 1721	2890 6343	
24 hours complaint hotline			3958 7300		
For Contract No. HY/2013	8/06 within Contract N	No. HY/2014/05 wo	rks area	-	
Engineer or Engineer's Representative (AECOM Asia Co. Ltd.)	Chief Registered Architect	Malcolm Sage	3958 7330	3468 2076	
Environmental Project Office / Independent Environmental Checker (Ramboll Hong Kong	Environmental Project Office Leader	Y. H. Hui	3465 2888	3465 2899	
Limited)	Independent Environmental Checker	Raymond Dai	3465 2888	3465 2899	
Contractor	Site Agent	Mr. Eric Yim	2565 3355	3162 5217	
(ATAL Technologies Limited)	Environmental Officer	Mr. W. Li	2565 3137	3162 5217	
Environmental Team (Atkins China Limited)	Environmental Team Leader	Keith Chau	2972 1721	2890 6343	
24 hours complaint hotline			6509 0375		
For Contract No. HY/2014	/04 within Contract N	No. HY/2014/05 wo	rks area		
Engineer or Engineer's Representative (AECOM Asia Co. Ltd.)	Chief Registered Architect	Malcolm Sage	3958 7330	3468 2076	
Environmental Project Office / Independent Environmental Checker	Environmental Project Office Leader	Y. H. Hui	3465 2888	3465 2899	
(Ramboll Hong Kong Limited)	Independent Environmental Checker	Raymond Dai	3465 2888	3465 2899	
Contractor	Site Agent	Ringo Yau	9833 1402	2707 0816	
(Rapiscan Systems Pte Ltd)	Environmental Officer	Clarie Tsang	6371 1362		
Environmental Team (Atkins China Limited)	Environmental Team Leader	Keith Chau	2972 1721	2890 6343	





Party	Position	Name	Telephone	Fax
24 hours complaint hotline			9833 1420	

# 1.3 **Construction Programme**

- 1.3.1 A copy of the Contractor's construction programme is provided in **Appendix C**.
- 1.4 Construction Works Undertaken During the Reporting Period
- 1.4.1 A summary of the construction activities undertaken during this reporting period is shown below: <u>For Contract No. HY/2014/05</u>
  - ABWF & MEP works (Internal) of Buildings 022, 023, 032, 044, 045, 050H1, 050H2, 050A1 and 050A2
  - Foot Path, Utilities and Drainage installation of Buildings 023, 032, 045, 050H1, 050H2, 050A1, 050A2, 053 and 058
  - ABWF & MEP works (External) of Buildings 021, 022, 023, 025, 032, 044, 045, 053 and 058
  - ABWF & MEP works (roof) of Building 050A1
  - Green Roof of Buildings

# For Contract No. HY/2013/06 within Contract No. HY/2014/05 works area

• Conduit Installation and Cabling at Buildings 025 and 032

# For Contract No. HY/2014/04 within Contract No. HY/2014/05 works area

- Installation of field devices at Buildings 053 and 054
- Radiation Testing at Buildings 058 and 059





# 2 Air Quality Monitoring

# 2.1 Monitoring Locations

- 2.1.1 The air quality monitoring works for the Contract are covered by Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road Section between Scenic Hill and HKBCF and Contract No. HY/2013/01 HZMB HKBCF Passenger Clearance Building.
- 2.1.2 The ET of the Contract or another ET of the HZMB project is required to conduct air quality monitoring at AMS6 and AMS7B as part of EM&A programme if these air quality monitoring stations are no longer covered under Contract Nos. HY/2011/03 and HY/2013/01. **Figure 2.1** shows the locations of the air monitoring stations.

Table 2-1	Construction	Dust	Monitoring	Locations
	Construction	Dusi	monitoring	Locations

ID	Location Description
AMS6(1)	Dragonair/CNAC (Group) Building
AMS7B <sup>(2)</sup>	3RS site office

Remark:

- (1) The ET of this Contract should conduct impact air quality monitoring at the AMS listed in the table as part of EM&A programme according to the latest notification from ENPO when the monitoring station(s) is/are no longer covered by another ET of the HZMB project.
- (2) A proposal for re-location of AQM station (AMS7) for HZMB HKBCF Project was justified by the ET Leader for Contract No. HY/2013/01 on 22 January 2018; verified by the IEC on 24 January 2018; and submitted to EPD on 30 January 2018, and the AQM has been carrying out at the alternative AQM station with EPD's consent since 6 February 2018.

# 2.2 Monitoring Requirements

- 2.2.1 The monitoring requirements, monitoring equipment, monitoring parameters, frequency and duration, monitoring methodology, monitoring schedule, meteorological information are detailed in the monthly EM&A Reports prepared for Contract Nos. HY/2011/03 and HY/2013/01.
- 2.2.2 The Action and Limit Levels for 1-hr TSP and 24-hr TSP are provided in **Table 2-2** and **Table 2-3**, respectively.

Table 2-2Action and Limit Levels for 1-hr TSP

Monitoring Station	Action Level, µg/m <sup>3</sup>	Limit Level, µg/m³	
AMS6 – Dragonair / CNAC (Group) Building (HKIA)	360	500	
AMS7B – 3RS site office	370	500	

 Table 2-3
 Action and Limit Levels for 24-hr TSP

Monitoring Station	Action Level, µg/m <sup>3</sup>	Limit Level, µg/m³
AMS6 – Dragonair / CNAC (Group) Building (HKIA)	173	260
AMS7B – 3RS site office	183	260

- 2.2.3 The event and action plan is provided in **Appendix D**.
- 2.2.4 If exceedance(s) at these station(s) 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 AMS7B are reported in the monthly EM&A Reports prepared for Contract Nos. HY/2011/03 and HY/2013/01, 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. No Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level recorded at AMS7B by the Environmental Team of Contract No. HY/2013/01 during the reporting period.





#### 3 Noise Monitoring

## 3.1 Monitoring Locations

3.1.1 The noise monitoring works for the Contract are covered by Contract No. HY/2013/01 HZMB HKBCF – Passenger Clearance Building. The ET of the Contract or another ET of the HZMB project is required to conduct impact noise monitoring at NMS2 and NMS3B as part of EM&A programme if these noise monitoring stations are no longer covered under Contract No. HY/2013/01. **Figure 3.1** shows the locations of noise monitoring stations.

Table 3-1	Construction	Noise	Monitoring	Locations
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ID	Location Description
NMS2 <sup>(1)</sup>	Seaview Crescent
NMS3B <sup>(1)(2)</sup>	Site Boundary of Site Office Area at Works Area WA2

Remarks:

- (1) The ET of this Contract should conduct impact noise monitoring at the NMS listed in the table as part of EM&A programme according to the latest notification from ENPO when the monitoring station(s) is/are no longer covered by another ET of the HZMB project.
- (2) The Action and Limit Levels for schools will be applied for this alternative monitoring location.

# 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/2013/01.
- 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

Parameter	Action Level	Limit Level
07:00 – 19:00 hours on normal weekdays	When one documented complaint is received	75 dB(A)*

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.

\* Limit level is 70 dB(A) for schools and 65 dB(A) during school examination period.

- 3.2.3 The event and action plan is provided in **Appendix D**.
- 3.2.4 If exceedance(s) at these station(s) 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.

# 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/2013/01. No noise exceedances were recorded at stations NMS2 and NMS3B by the ET of Contract No. HY/2013/01 during the reporting period.





# Environmental Site Inspection and Audit

## 4.1 Site Inspection

- 4.1.1 Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Contract No. HY/2014/05 (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area). During the reporting period, site inspections were carried out on 7, 12, 22 and 28 February 2018.
- 4.1.2 Particular observations for Contract No. HY/2014/05 and Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area during the site inspections and corrective actions undertaken by the Contractor are described in **Tables 4-1, 4-2 and 4-3**.

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
29 January 2018	1. The colour of the NRMM label for the lifting platform was observed faded at Building 032.	<ol> <li>The lifting platform was removed from the site.</li> </ol>	22 February 2018
	<ol> <li>General refuse was observed near staircase at Building 045.</li> <li>Over 20 bags of dusty materials were not covered at rooftop of Building 045.</li> </ol>	<ol> <li>General refuse was removed near staircase at Building 045.</li> <li>Over 20 bags of dusty materials were removed at rooftop of Building 045.</li> </ol>	7 February 2018
7 February 2018	1. The colour of the NRMM label for the lifting platform was observed faded at Building 032.	<ol> <li>The lifting platform was removed from the site.</li> </ol>	22 February 2018
	Reminder: 1. The Contractor was reminded to minimize the dust emission form the access road near the Building by watering.	<ol> <li>One water truck was in operation on the access road near the building.</li> </ol>	12 February 2018
12 February 2018	1. The colour of the NRMM label for the lifting platform was observed faded near Building 032 and Building 045.	<ol> <li>The lifting platform was removed from the site.</li> </ol>	22 February 2018
22 February 2018	<ol> <li>The chemical container was found without drip tray near Building 044.</li> </ol>	1. The chemical container was removed near Building.	26 February 2018
26 February 2018	<ol> <li>The general refuse was found at G/F of Building 022.</li> </ol>	<ol> <li>The Contractor was reminded to remove general refuses as soon as possible and keep the site clean and tidy.</li> </ol>	Follow-up action undertaken by the Contractor will be inspected during the site inspection to be undertaken in March 2018.

 Table 4-1
 Summary of Environmental Site Inspections for Contract No. HY/2014/05





#### Table 4-2 Summary of Environmental Site Inspections for Contract No. HY/2013/06 within Contract No. HY/2014/05 works area

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
7 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.
12 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.
22 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.
26 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.

# Table 4-3 Summary of Environmental Site Inspections for Contract No. HY/2014/04 within Contract No. HY/2014/05 works area

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
7 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.
12 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.
22 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.
26 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.

4.1.3 Particular observations (Landscape works) for Contract No. HY/2014/05 during the site inspections and corrective actions undertaken by the Contractor are described in **Tables 4-4**. The landscape work of green roof for Contract No. HY/2014/05 was commenced on 11 December 2017. The implementation of mitigation measures for landscape and visual resources recommended in the EIA Report were monitored during the reporting period. Landscape and visual mitigation measures in accordance with the EP, EIA and EM&A Manual were implemented by the Contractor.





# Table 4-4Summary of Environmental Site Inspections (Landscape works) for Contract No.<br/>HY/2014/05 works area

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
7 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.
22 February 2018	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.

4.1.4 The Contractor has rectified most of the observations as identified during environmental site inspections during this reporting month. Follow-up actions for outstanding observations will be inspected in March 2018.

## 4.2 Advice on the Solid and Liquid Waste Management Status

- 4.2.1 The Contractor of Contract No. HY/2014/05 registered as a chemical waste producer. Sufficient numbers of receptacles were available for general refuse collection and sorting.
- 4.2.2 The Contractor of Contract No. HY/2014/05 was reminded that chemical waste should be properly treated and stored temporarily in designated chemical waste storage areas on site in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.
- 4.2.3 The monthly summary of waste flow table for Contract No. HY/2014/05 (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area) are detailed in **Appendix E**.

# 4.3 Environmental Licenses and Permits

- 4.3.1 The valid environmental licenses and permits for Contract No. HY/2014/05 during the reporting period (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area) are summarized in **Appendix F**.
- 4.3.2 The Contractors of Contract No. HY/2013/06 and Contract No. HY/2014/04 were advised to register as a chemical waste producer when chemical waste will be expected to generate for the foreseeable future from the operations (For Registration as Waste Producer Pursuant to Waste Disposal (Chemical Waste) (General) Regulation).
- 4.4 Implementation Status of Environmental Mitigation Measures
- 4.4.1 In response to the site audit findings, the Contractors carried out corrective actions.
- 4.4.2 The Contractor conducts watering on all exposed soil within the Contract site and associated works areas 8 times per day when construction activities are being undertaken.
- 4.4.3 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix G**. Most of the necessary mitigation measures were implemented properly.
- 4.5 Summary of Exceedance of the Environmental Quality Performance Limit
- 4.5.1 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. No Action





and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level recorded at AMS7B by the Environmental Team of Contract No. HY/2013/01 during the reporting period.

- 4.5.2 There was no Action and Limit Level exceedance for noise recorded at NMS2 and NMS3B by the Environmental Team of Contract No. HY/2013/01 during the reporting period.
- 4.6 Summary of Complaints, Notification of Summons and Successful Prosecution
- 4.6.1 There was no complaint received in relation to the environmental impact during the reporting period.
- 4.6.2 Statistics on environmental complaints, notifications of summons and successful prosecutions are summarized in **Appendix H**.





5 Future Key Issues

# 5.1 Construction Programme for the Coming Months

# 5.1.1 As informed by the Contractor, the major construction activities for March 2018 are summarized in **Table 5-1**.

#### Table 5-1Construction Activities for March 2018

Site Area	Description of Activities	
For Contract No. HY/2014/05		
Buildings 022, 032, 044, 045, 050H1, 050H2, 050A1 and 050A2	ABWF & MEP works (Internal)	
Buildings 021, 022, 023, 025, 032, 044, 045, 053 and 058	ABWF works (External)	
Building 050A2	ABWF works (roof)	
Buildings 023, 032, 045, 050H1, 050H2, 050A1, 050A2, 053 and 058	Foot Path, Utilities and Drainage Installation	
Building 025	Roadworks	
Building 022	Landscape works: greening roof	
For Contract No. HY/2013/06 within Contract N	lo. HY/2014/05 works area	
Buildings 023, 025 and 032	Conduit Installation & Cabling	
For Contract No. HY/2014/04 within Contract N	lo. HY/2014/05 works area	
Buildings 053 and 054	Installation of field devices	
Buildings 058 and 059	Cabling works	

# 5.2 Environmental Site Inspection Schedule for the Coming Month

5.2.1 The tentative schedule for weekly site inspections for March 2018 is provided in **Appendix I**.





#### 6 Conclusions

#### 6.1 Conclusions

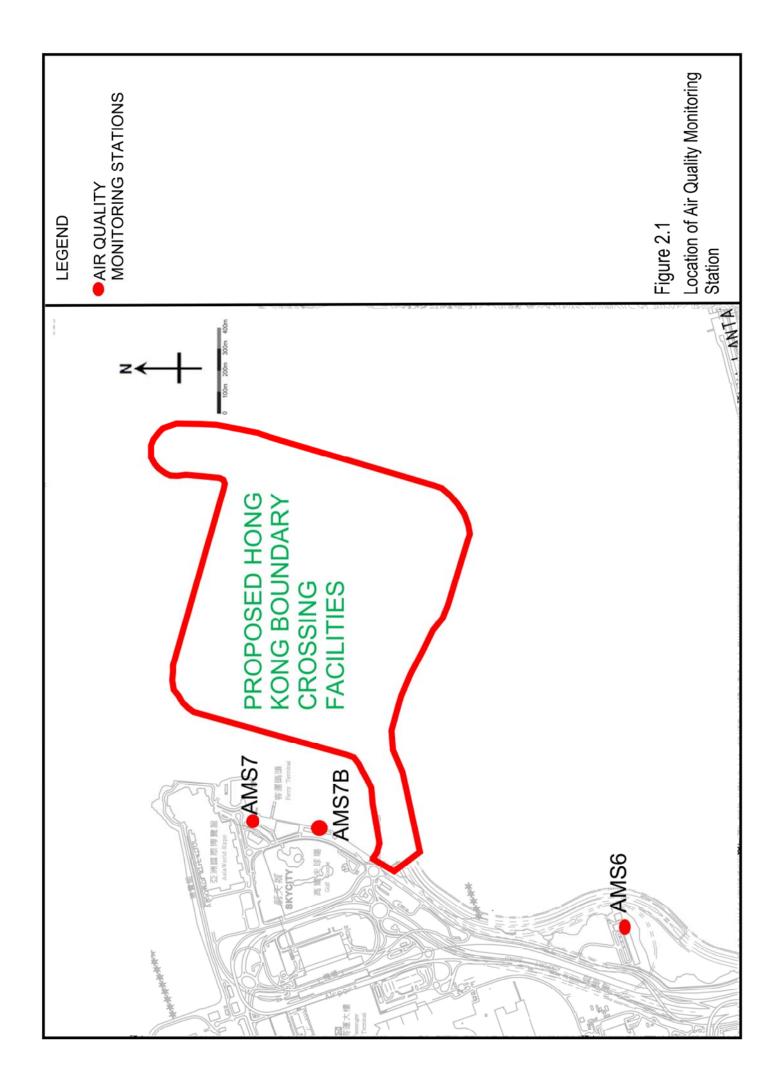
- 6.1.1 The construction works of the Contract No. HY/2014/05 commenced on 29 February 2016. while the construction works of the Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area commenced on 3 January 2017 and 13 February 2017 respectively. The twenty-fourth Monthly EM&A Report for Contract No. HY/2014/05 summarizes findings of the EM&A works during the reporting period from 1 to 28 February 2018 (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area).
- 6.1.2 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. No Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level recorded at AMS7B by the Environmental Team of Contract No. HY/2013/01 during the reporting period.
- 6.1.3 There was no Action and Limit Level exceedance for noise recorded at NMS2 and NMS3B by the Environmental Team of Contract No. HY/2013/01 during the reporting period.
- 6.1.4 Environmental site inspections were carried out on 7, 12, 22 and 26 February 2018 for the Contract No. HY/2014/05 (includes the construction works of Contract No. HY/2013/06 and Contract No. HY/2014/04 within Contract No. HY/2014/05 works area). Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspection.
- 6.1.5 There was no complaint received in relation to the environmental impact during the reporting period.
- 6.1.7 No notification of summons and successful prosecution was received during the reporting period.

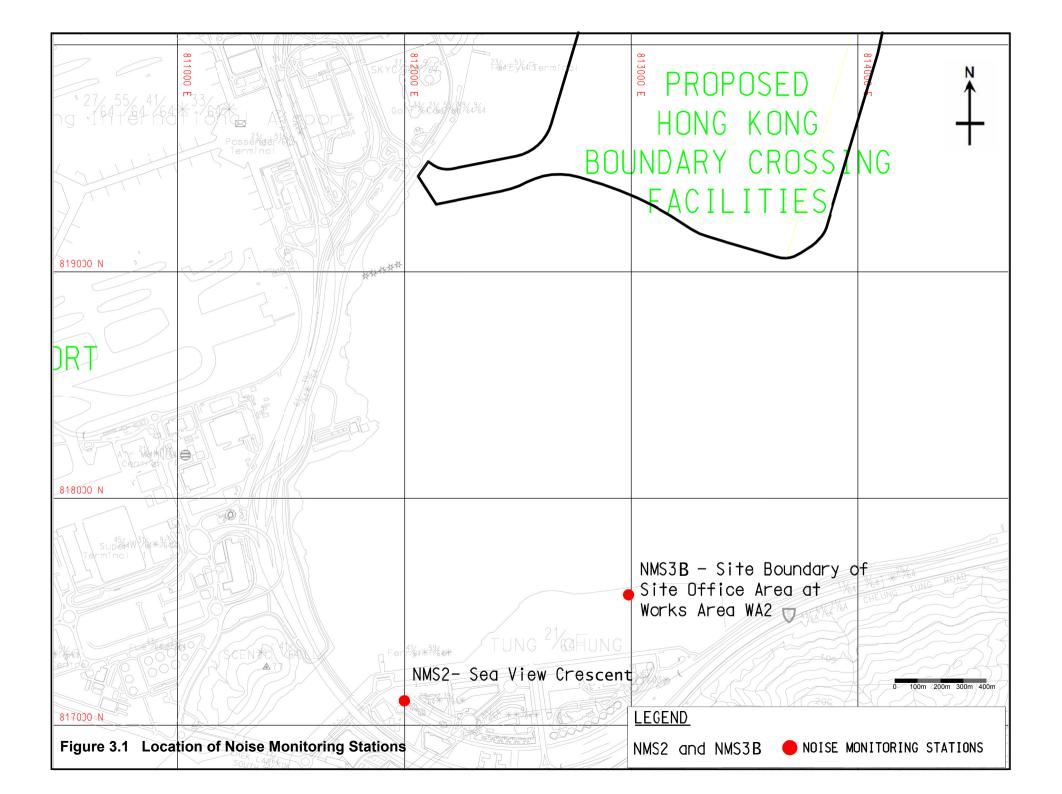




# **FIGURES**





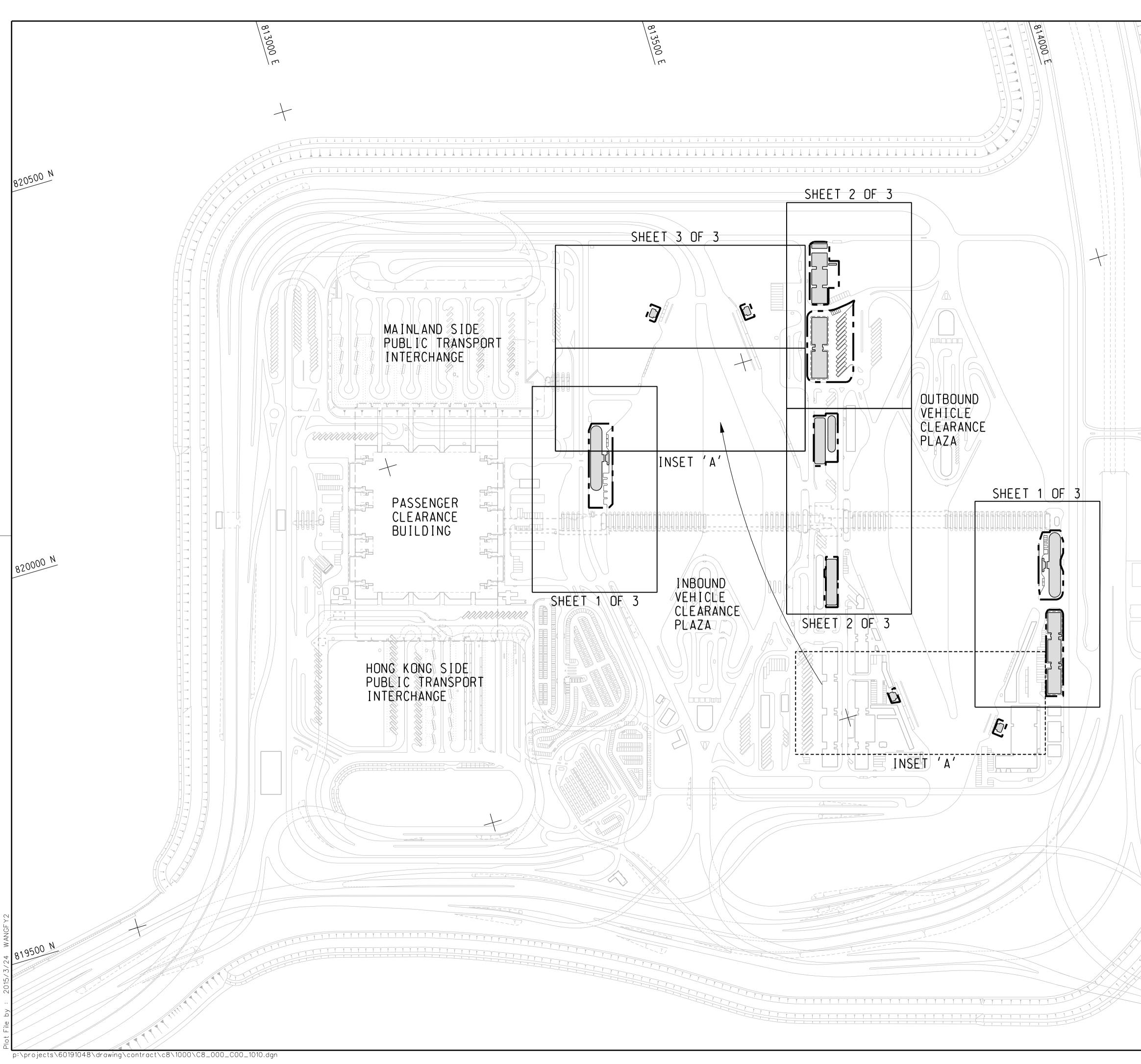




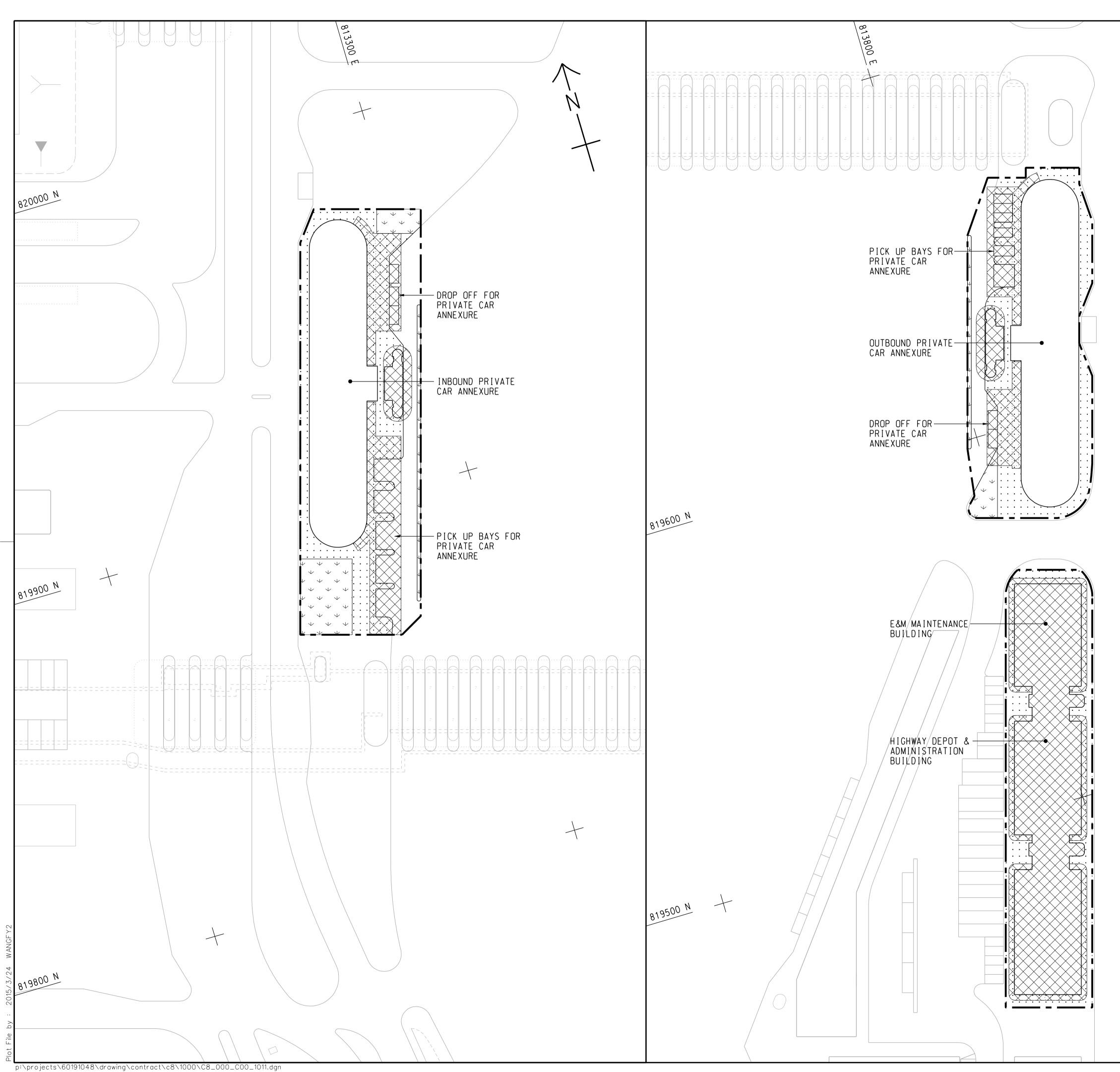


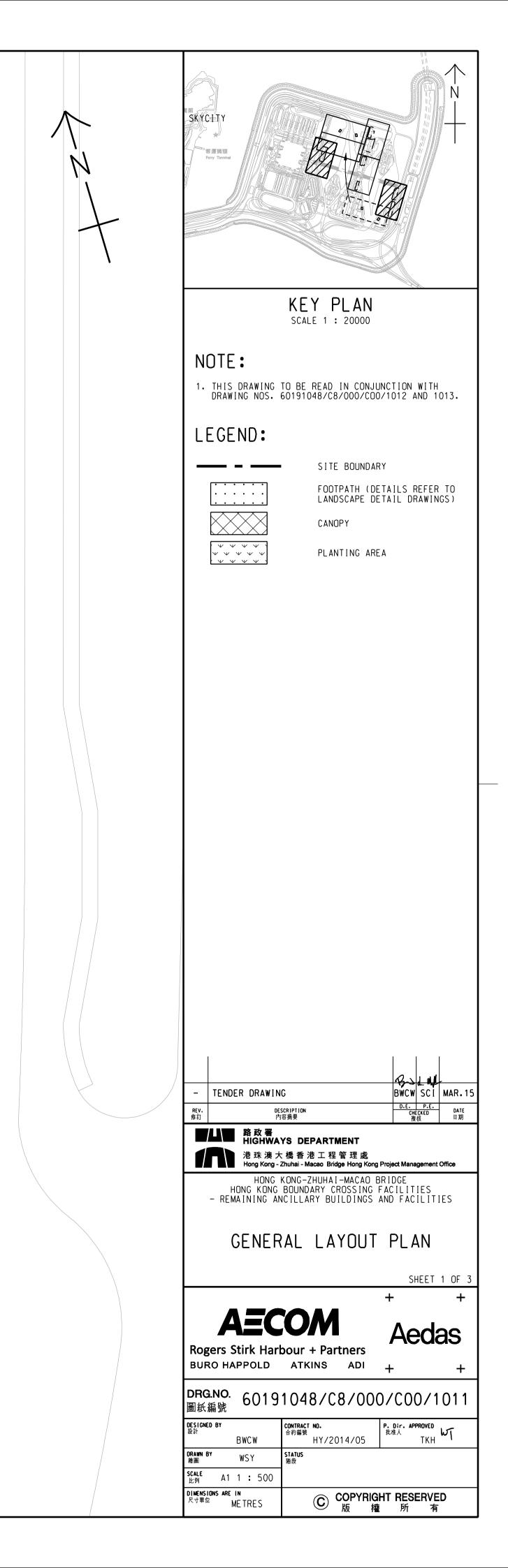
Location of Works Areas

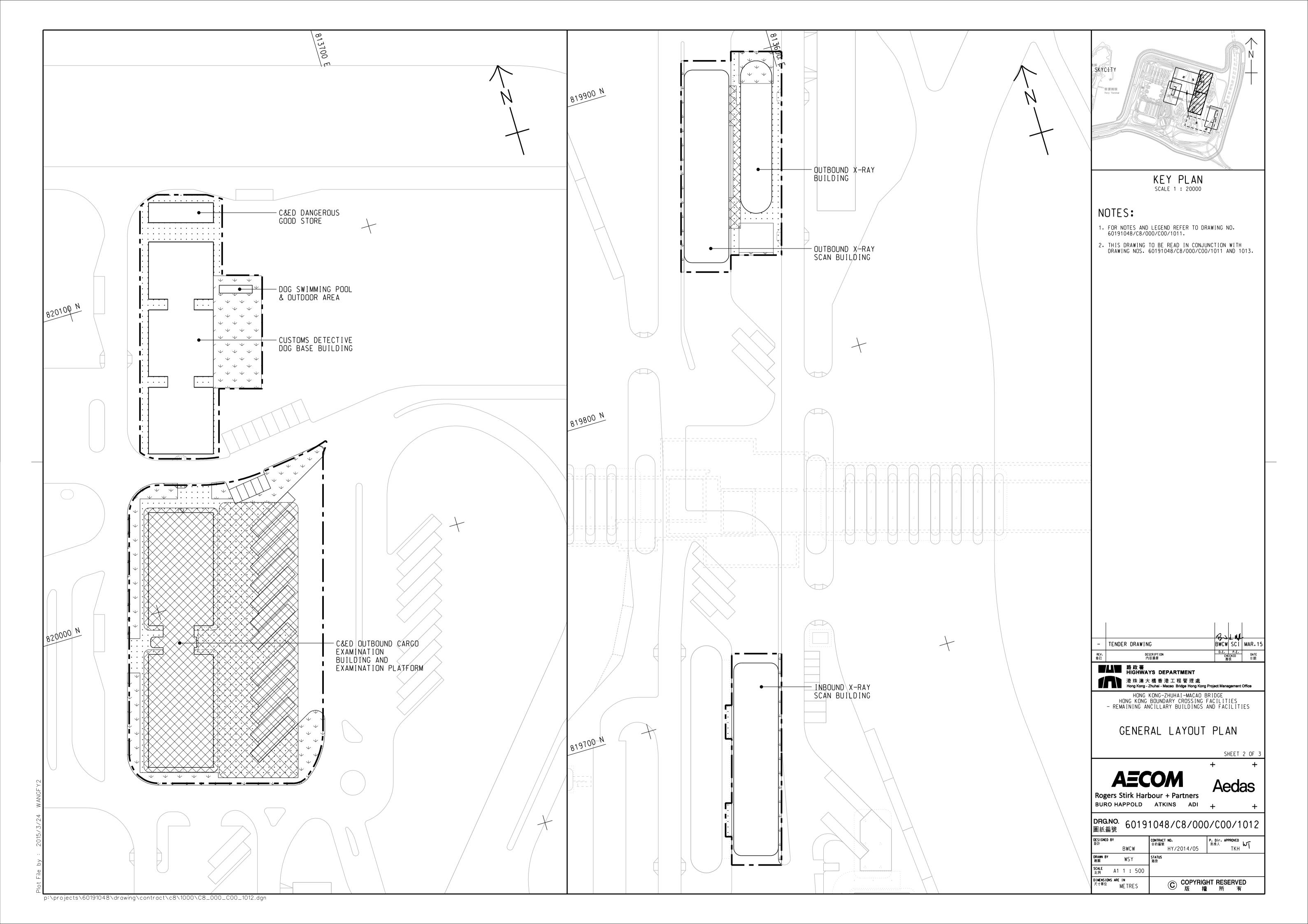


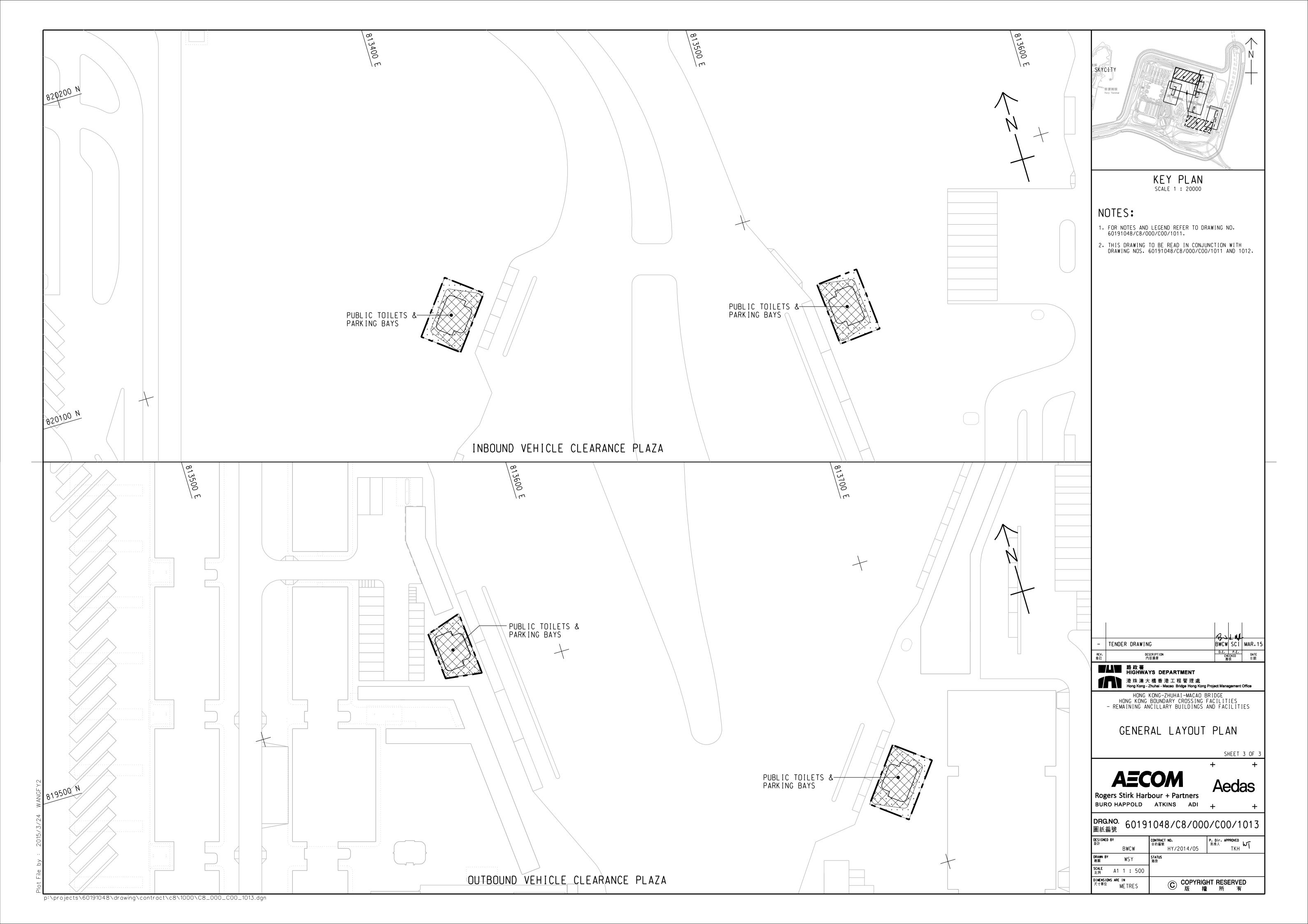


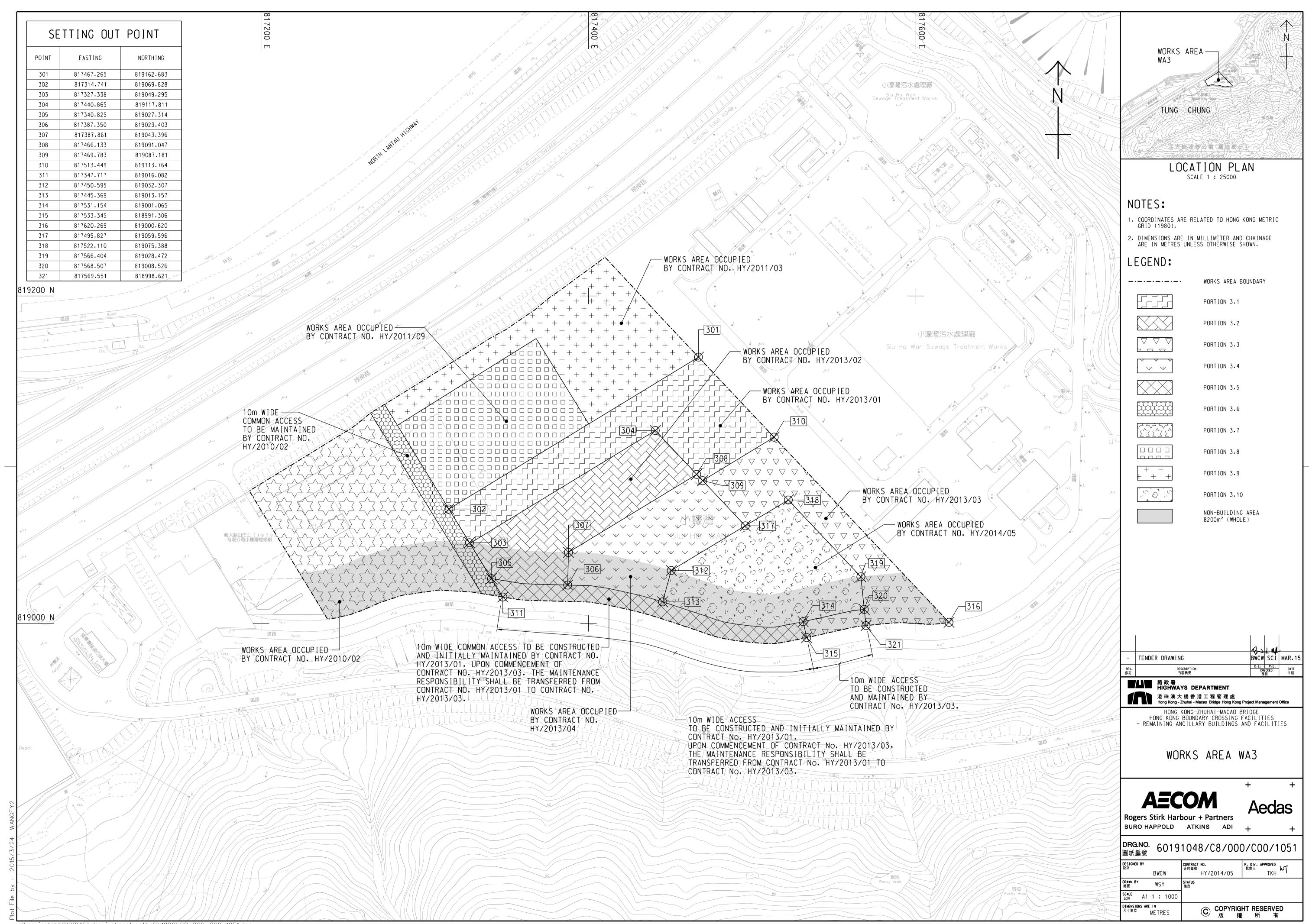
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	DESIGNED BY C	ONTRACT NO. <sup>合</sup> 約編號 HY/2014/05	P. Dir. APPROVED <sup>批准人</sup> KH WT
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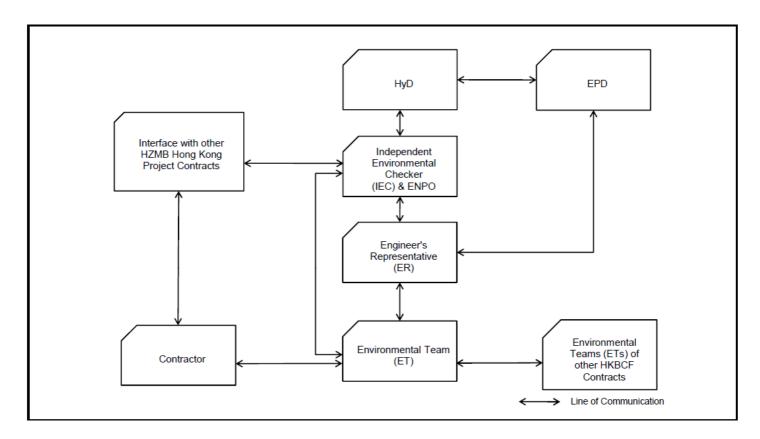


# **APPENDIX B**

Project Organization for Environmental Works











**Construction Programme** 



y ID	Activity Name	er 2017	January 2018	February 2018	March 20 <sup>2</sup>	18 April 2018
		17 24		28 04 11 18 25	04 11	18 25 01 08 15
Y/2014/05 HKZ	MB HKBCF - February 2018, Works Program	me				
RAB3 SUMMARY	PROGRAMME					
SENERAL/PREL	MINARIES					
<b>DESIGN AND EN</b>						
	MANUFACTURING & DELIVERIES					
CONSTRUCTION						
	Dangerous Goods Store					
Raft						
Structure						
ABWF/E&M						
Internal Finishes Degree 1						
Degree 2						
Degree 3						
	021 - ABWF and MEP works to Degree 3 (KD4C)					
External Finishes						
Facade At Grade						
RAB-21-380	021 - Prepare Sub Grade (Sub-grade of Bldg. 022 to comple)					
RAB-21-390	021 - Lay Granular Sub-Base					
RAB-21-370	021 - Laying Geo Textile + Sand Bedding					
RAB-21-360	021 - Concrete Block Paving					
RAB-21-560	021 - Grouting to Concrete Pavers (Conc. Paver of Bldg. 022 to comp	ol)				
Roof Finishes	021 - Install Railing 50m					
Utilities and Drainage						
Testing & Commissio						
	ns & Approvals (Day 670 Completion)					
Dangerous Goods L RAB-21-0350						
Fire Servives Depart	021 - DG Licence Inspection & Processing					
	021 - FSD Inspection Period, Building 021					
Engineer (AECOM)						
RAB-21-2190	021 - Submit As-Built Drawings to Engineer		•			
	ms Detective Dog Base Building					
Excavation						
Raft Foundations Structure						
External Walls						
Roof Slab						
ABWF/E&M Internal Finishes						
North						
Degree 1						
Degree 2						
Degree 3	022 ARWE and MED works to Degree 2 (KDEC) North					
RAB-22-0950 External Finishes	022 - ABWF and MEP works to Degree 3 (KD5C), North					
Facade						
RAB-22-0470	022 - External Painting, North					
At Grade						

			Page 1 of 13
	April 201		May 2018
25	01 08 15	5 22	29 06 13
Rev		Checked	Approved
	me, 01 Mar-18 Statused	CHECKEU	

LEIGHTON 抗中国	Co	ntract No. HY/	2014/05 - Remaining Ancil	ary Building and Facili	ties				Page 2 of
ID	Activity Name	er 2017	January 2018	February 2018		March 2018	April 20		May 201
DAD 22 2400	022 - Prepare Sub Grade, North	17 24	31 07 14 21	28 04 11 18	25 04	11 18 25	01 08 1	15 22	29 06
RAB-22-2110	022 - Laying Geo Textile, North					_			
	022 - Lay Sand Bedding, North								
	022 - Concrete Block Paving, North								
RAB-22-2150	022 - Concrete Paver Grouting Works, North								
RAB-22-2170	022 - Landscaping for Outdoor Exercise Lawn, North								
Roof Finishes									
RAB-22-0530	022 - Install Railing, North								
Middle									
Degree 1									
Degree 2									
Degree 3									
RAB-22-01010	022 - ABWF and MEP works to Degree 3 (KD5C)								
External Finishes									
Facade									
RAB-22-0780	022 - External Painting, middle				·····				
Roof Finishes									
	022 - Install Railing, middle								
South									
Degree 1				- *************************************					
Degree 2									
Degree 3									
	022 - ABWF and MEP works to Degree 3 (KD5C)								
External Finishes									
Facade									
	022 - External Painting, south								
At Grade									
	022 - Prepare Sub Grade, south								
Roof Finishes									
	022 - Install Railing, south								
Specialist Installation									
Window Wall									
East									
RAB-22-7050	022 - Glazing to Window Wall								
West									
	022 - Glazing to Window Wall								
Dog Swimming Po									
	022 - Tiling to Dog Swimming Pool								
RAB-22-0640	022 - Plumbing and filtration systems								
RAB-22-0640 RAB-22-0630	022 - Plumbing and nitration systems 022 - Metalworks and Railings				////				
Utilities and Drainage									
Testing & Commissie									
	022 - T&C (HVAC, FS, P&D, OTHERS)								
	ons & Approvals (Day 670 Completion)			- (////////////////////////////////////	////				
Water Supplies Dep	partment (WSD)								
	022 Submit WWO 46 Dt W for Duilding 022								
	022 - Submit WWO 46 Pt. IV for Building 022	_							
Completion									
	022 - WSD's Processing/Inspection/Meter Connection for Building 022								
Fire Servives Depart									
	022 - FSD Inspection Period, Building 022								
Fire Services Depart	tment (FSD)								
						1			
Remaining Level	of Effort Actual Work Critical Remaining	3-Month	Rolling Programme, 01 Ma	or 2018 Statusod	Date	Rev		Checked	Approv
					01-Mar-18	3-Month Rolling Program			

RA2-F30-330     122 - F810     Inserted in Fold or Eputing 022       RA2-F30-330     122 - Stanket tion in Eputing 022 As Build Drawings to Experient       RA2-F30-320     102 - Stanket tion in Eputing 023 - Stanket tion is Exakling and Examination Platform       FAIF Foundations - Indexton in Eputing 023     124 - Stanket tion is Exakling and Examination Platform       FAIF Foundations - Indexton in Eputing 023     124 - Stanket tion is Exakling and Examination Platform       FAIF Foundations - Indexton in End of the Platform     124 - Stanket tion is Exakling and Example       FAIF Foundations - Indexton in Electron in End of the Platform     124 - Stanket tion is Exakling and Example       FAIF Foundations - Indexton in Electron in El			Page 3 of
Interval         Int         24         31         07         14         21         22         04         11         13         25           Capter CACCON PRUE-25220         Capter CACCON Carbonic CACCON         Carbonic CACCON         Carbonic CACCON         Carbonic CACCON           RAUE-25220         C22 - Such IB Judy 022 As Bult Drawing to Exprise The Arbonic Carbonic Ca	March 2018	April 2018	May 2018
Englands (AGCOM)         02 - Sharn Building (02 A. Ball Drawings to Engline           Holding 22 - CEED Outloand Cargo Examination Building and Examination Pluiferon         1           Farl Foundations - Inspection Pluiform         1           Raft Foundations - Inspection Pluiform         1           Farl Foundations - Inspection Pluiform         1           Plant         1           Plant         1           Plant         1           Supporting Wills and Columns to +12.5mtP         1           Supporting Wills and Columns to +12.5mtP         1           Supporting Wills and Columns to +12.5mtP         1           Supporting Wills and Columns to +13.1mtP         1           Supporting Wills and Columns to +13.1mtP         1           Rod         1	04 11 18 25		29 06
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Building 03 - Cath Dutations - Inspector Datatom Action 2 Land Data Data Data Data Data Data Data Dat			
Excension       Improvementations         Raft Foundations       Raft Foundations         Raft Foundations       Raft Foundations         Raft Foundations       Raft Foundations         Presentations       Concent Floor         Feaster       Concent Floor         Raft Foundations       Concent Floor         Raft Foundations       Concent Floor         Raft Foundations       Concent Floor         Supporting Walls and Columes to \$12.5mPD       Concent Strip         Concent Strip       Concent Strip         Supporting Walls and Columes to \$17.5mPD       Concent Strip         Concent Strip       Concent Strip         Supporting Walls and Columes to \$15.1mPD       Concent Strip         Concent Strip       Concent Strip         Supporting Walls and Columes to \$15.1mPD       Concent Strip         Concent Strip       Concent Strip         Supporting Walls and Columes to \$15.1mPD       Concent Strip         Concent Strip       Concent Strip         Raft Foot       Concent Strip         Raft Foot       Concent Strip         Raft Foot       Concent Foot         Raft Foot       Concent Foot         Raft Foot       Concent Foot         Raft Foot       Concent F			
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Raft Exource			
Structure       Convert Flow         Parters       C23 - Construct South Partner Box and Ramp         Supporting Walls and Columes to +12.85mP0       Call and Strip         Supporting Walls and Columes to +12.85mP0       Call and Strip         Cure and Strip       Supporting Walls and Columes to +12.85mP0         Supporting Walls and Columes to +12.85mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to +12.15mP0       Call and Strip         Supporting Walls and Columes to to Engres of to others (KDSC) OF       Ref 2000 (20.2 ARWF and MEP works to Engres of to others (KDSC) FF         Rad-25.2500 (20.2 Call and Baning, Marth       Call and Strip </td <td></td> <td></td> <td></td>			
Plantes         Concerned State         Supporting Value and Columns to +12.85m/D         Note			
RA8-234230       023 - Construct South Planche Box and Ramp			
Supporting Values and Columns to +12.86mPD			
First Floor         Supporting Walks and Columns to +17 fmPD         Supporting Walks and Columns to +19 fmPD         Supporting Walks and Column +10 fmD         Supporting Walks and Column			
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Cure and Strip			
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North			
Internal Finishes			
Building 023       203 - ABWF and MEP works to Degree 3 for others (KD3C) G/F       Image: Control of the			
RAB-23-5700       D23 - ABWF and MEP works to Degree 3 for others (KD3C) G/F       Image: Control of Cont			
Remaining Areas       Set			
First Floor       Building 023       Image: Constraint of the constrain			
Building 023       Q3 - ABWF and MEP works to Degree 3 for others (KD3C) F/F       Image: Control of Con			
RAb-23-5970         023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F			
Remaining Areas			
External Finishes <t< td=""><td></td><td></td><td></td></t<>			
RAB-23-5650       023 - External Painting, North			
At Grade       Q23 - Prepare Sub Grade, North       Image: Constant Railing (107m), North       Image: Constant Railing (107m), North         RAB-23-5920       Q23 - Instant Railing (107m), North       Image: Constant Railing (107m), North       Image: Constant Railing (107m), North         Green Roof       South       Image: Constant Railing (107m), North       Image: Constant Railing (107m), N			
RAB-23-5740       023 - Prepare Sub Grade, North       Image: Constant Railing (107m), North         RAB-23-5920       023 - Install Railing (107m), North       Image: Constant Railing (107m), North         Green Roof       South       Image: Constant Railing (107m), North         South       Image: Constant Railing (107m), North       Image: Constant Railing (107m), North         Brinding Constant Railing (107m), North       Image: Constant Railing (107m), North       Image: Constant Railing (107m), North         South       Image: Constant Railing (107m), North       Image: Constant Railing (107m), North       Image: Constant Railing (107m), North         South       Image: Constant Railing (107m), North			
Roof Finishes   RAB-23-5920   023 - Install Railing (107m), North   Green Roof   South   Internal Finishes   Ground Floor   Building 023   RAB-23-6030   023 - ABWF and MEP works to Degree 3 for others (KD3C) G/F   Remaining Areas   First Floor   Building 023   RAB-23-6210   023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F   Remaining Areas   External Finishes   Facade   RAB-23-5890   023 - External Painting, South   At Grade   RAB-23-6020   023 - Prepare Sub Grade, South			
RAB-23-5920 023 - Install Railing (107m), North   Green Roof   South   Internal Finishes   Ground Floor   Building 023   RAB-23-6030   023 - ABWF and MEP works to Degree 3 for others (KD3C) G/F   Remaining Areas   First Floor   Building 023   RAB-23-6010   023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F   Remaining Areas   First Floor   Building 023   RAB-23-6010   023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F   Remaining Areas   Facade   RAB-23-6800   023 - External Painting, South   At Grade   RAB-23-6020   023 - Prepare Sub Grade, South			
Green Roof         South         Internal Finishes         Ground Floor         Building 023         RAB-23-6030       023 - ABWF and MEP works to Degree 3 for others (KD3C) G/F         Remaining Areas         First Floor         Building 023         RAB-23-6210       023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas         External Finishes         Facade         RAB-23-5890       023 - External Painting, South         At Grade         RAB-23-6020       023 - Prepare Sub Grade, South			
South Internal Finishes Ground Floor Building 023 RAB-23-6030 023 - ABWF and MEP works to Degree 3 for others (KD3C) G/F Remaining Areas First Floor Building 023 RAB-23-6210 023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F Remaining Areas External Finishes Facade RAB-23-5890 023 - External Painting, South At Grade RAB-23-6020 023 - Prepare Sub Grade, South			
Ground Floor       Building 023         RAB-23-6030       023 - ABWF and MEP works to Degree 3 for others (KD3C) G/F         Remaining Areas       First Floor         Building 023       023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         RAB-23-6210       023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas       First Floor         Remaining Areas       First Floor         RAB-23-6210       023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas       First Floor         RAB-23-5890       023 - External Painting, South         At Grade       Content of the south			
Building 023       Q23 - ABWF and MEP works to Degree 3 for others (KD3C) G/F         Remaining Areas       First Floor         Building 023       RAB-23-6210       Q23 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas       First Floor         Building 023       Q23 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas       First Floor         Building 023       Q23 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas       First Floor         Bacade       Q23 - External Painting, South         At Grade       Q23 - Prepare Sub Grade, South         RAB-23-6020       Q23 - Prepare Sub Grade, South			
RAB-23-6030       023 - ABWF and MEP works to Degree 3 for others (KD3C) G/F         Remaining Areas         First Floor         Building 023         RAB-23-6210       023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas         External Finishes         Facade         RAB-23-5890       023 - External Painting, South         At Grade         RAB-23-6020       023 - Prepare Sub Grade, South			
Remaining Areas         First Floor         Building 023         RAB-23-6210       023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas         External Finishes         Facade         RAB-23-5890       023 - External Painting, South         At Grade         RAB-23-6020       023 - Prepare Sub Grade, South			
First Floor       Building 023         RAB-23-6210       023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas         External Finishes         Facade         RAB-23-5890       023 - External Painting, South         At Grade         RAB-23-6020       023 - Prepare Sub Grade, South			
Building 023       RAB-23-6210       023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas       Image: Comparison of the comparison			
RAB-23-6210       023 - ABWF and MEP works to Degree 3 for others (KD3C) F/F         Remaining Areas       External Finishes         External Finishes       Facade         RAB-23-5890       023 - External Painting, South         At Grade       At Grade         RAB-23-6020       023 - Prepare Sub Grade, South			
External Finishes       Image: Constraint of the second seco			
Facade     RAB-23-5890     023 - External Painting, South       At Grade     Image: Constraint of the second se			
RAB-23-5890       023 - External Painting, South         At Grade         RAB-23-6020       023 - Prepare Sub Grade, South			
At Grade       RAB-23-6020     023 - Prepare Sub Grade, South			
RAB-23-6020   023 - Prepare Sub Grade, South			<b>.</b>
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Remaining Level of Effort Actual Work Critical Remaining 3-Month Rolling Programme, 01 Mar. 2018 Statused 01-Mar-1			Approv

LEIGHTON 程 - 按	c C	ontract N	No. HY/	2014	/05 - Re	emainir	ng Anci	illar	y Bui	lding	and I	Facili	ties								
Activity ID	Activity Name	er 2017			Jar	nuary 2018				Februa	ary 2018				March 20 <sup>2</sup>	18			April	2018	_
		17	24	31	07	14	21	28	04	1	1	18	25	04	11	18	25	01	08	15	Ι
Window Wall																					
East RAB-23-6820	023 - Install Secondary Steelwork for Window Wall, South																				
RAB-23-6820 RAB-23-6810	023 - Install Primary Steelwork for Window Wall, South												///								
RAB-23-6830	023 - Glazing to Window Wall, South			1																	
West				•																	
RAB-23-6840	023 - Install Primary Steelwork for Window Wall, South																				
RAB-23-6850	023 - Install Secondary Steelwork for Window Wall, South																				
RAB-23-6860	023 - Glazing to Window Wall, South																				
Roof Finishes																					
RAB-23-6000	023 - Install Railing (107m), South			1																	
Roof Level Dog Ho																					
Building 023				, , , ,																	
RAB-23-6340	023 - ABWF and MEP works to Degree 3 R/F			1																	
Specialist Installat																					
RAB-23-6350	023 - Installation of PV System			1																	
Metal Canopy																					
RAB-23-6290	023 - Install Metal Cladding Panels												<u>////</u>								IJ.
RAB-23-6310	023 - Install Misc Metalworks and Railings																				
Utilities and Draina RAB-23-7975	ge 023 - Construct Permanent Drainage and Manholes (Approx 180m)																				
Testing & Commiss																					
RAB-TC23-1000	023 - T&C (HVAC, FS, P&D, OTHERS)																				
	ions & Approvals (Day 610 Completion)																	,,,,,,,,,,,,			$\langle \rangle \rangle$
EMSD - Building 0																					
RAB-FSD-190	023 - EMSD Lift Inspection		0																		
RAB-FSD-106	023 - EMSD Lift Certificate Issued (Fire Lift) - Building 023																				
Water Supplies De	partment (WSD)																				
Commencement																					
RAB-WSD-774	023 - Submit WWO 46 Pt. IV for Building 023		<b>•</b>																		
RAB-WSD-107	023 - WSD Inspection/Meter Connection																				
Fire Servives Depa RAB-FSD-900	023 - FSD Inspection Period, Building 023												<u>///</u>								
Fire Services Depa																					
RAB-FSD-110	023 - FSD Inspection Period For Building 023																				
Engineer (AECOM																					
RAB-23-2250	023 - Submit Building 023 As Built Drawings to Engineer						٠														
Building 025 - Inbo	und Private Car Annexure																				
Excavation																					
Raft Foundations																					
Structure																					
External Walls													////								
Roof Slab Cure and Strip																					
ABWF/E&M																					
Internal Finishes																					
Degree 1																					
Degree 2																					
Degree 3																					
RAB-25-0590	025 - ABWF and MEP works to Degree 3 (KD6C)			1																	
External Finishes																					
Facade																				//////////////////////////////////////	<u>////</u>
Remaining Leve	el of Effort Actual Work Critical Remaining	3-	Month	Rolli	ng Pro	gramm	e, 01 N	lar.	2018	Statu	ised		Dat		O Manuti F		Revisi	-	40.04-1		С
Actual Level of I	Effort Remaining Work	-			0	-	,		-		-		01-Mar-1	ð	3-Month F	kolling Pr	ogramm	e, ui Mar-	18 Status	sea	

			Page 4 of 13
2018	April 201	8	May 2018
18 25	01 08 15		29 06 13
I			
	ision	Checked	Approved
h Rolling Program	me, 01 Mar-18 Statused		

LEIGHTON 恒年百	000	Contract No. HY	/2014/05 - Remaining And	illary Building and Facili	Ities		Page 5 o
D	Activity Name	er 2017	January 2018	February 2018	March 2018	April 2018	May 201
		17 24	31 07 14 21	28 04 11 18	25 04 11 18 25	01 08 15 22	29 06
At Grade	005 Brances Out Orada						
RAB-25-6400	025 - Prepare Sub Grade						
Roof Finishes RAB-25-0540	025 - Install Cat Ladders and Roof Hatch						
RAB-25-0540 RAB-25-0550	025 - Install Cal Ladders and Roof Hatch 025 - Install Railing (222m)						
	025 - Ilistali Rahing (22211)			{/////////////////////////////////	<i>4///</i>		
Green Roof Specialist Installati							
RAB-25-610	025 - Construct Immigration Counters x 3						
RAB-25-620	025 - Construct Health Department Screening Station x 1						
Glazed Canopy	023 - Construct Health Department Screening Station x 1						
RAB-25-0520	025 - Install Glazed Panels						
				—			
IMMD Kiosk RAB-25-0380	025 - Internal ABWF and MEP of IMMD Kiosk						
RAB-25-0350	025 - External Finishes to IMMD Kiosk						
RAB-25-0430	025 - Erect Kiosk Canopy @ +10.17mPD				////		
tilities and Drainag							
AB-25-7270	025 - Install Flushing Water Mains	<b>[</b>					
AB-25-7280	025 - Install Fresh Water Mains						
sting & Commiss							
AB-TC25-1000	025 - T&C (HVAC, FS, P&D, OTHERS)						
	ons & Approvals (Day 670 Completion)						
Vater Supplies Dep	partment (WSD)						
Commencement							
RAB-WSD-744	025 - Submit WWO 46 Pt. IV for Building 025	•					
Completion							
RAB-WSD-374	025 - WSD Inspection/Meter Connection for Building 025						
ire Servives Depar							
RAB-FSD-940	025 - FSD Inspection Period, Building 021						
ire Services Depa							
RAB-FSD-360	025 - FSD Inspection Period For Building 025						
Engineer (AECOM)			•				
RAB-25-7220	025 - Submit Building 025 As Built Drawings to Engineer		•				
	ound Private Car Annexure						
xcavation							
aft Foundations					////		
ructure							
External Walls							
oof Slab							
BWF/E&M							
nternal Finishes					<i></i>		
Degree 1							
Degree 2							
RAB-32-0660	032 - Power On	•					
Degree 3							
RAB-32-0590	032 - ABWF and MEP works to Degree 3 (KD7C)						
oof Finishes							
RAB-32-0540	032 - Install Cat Ladders and Roof Hatch						
RAB-32-0550	032 - Install Railing (222m)						
Green Roof							
External Finishes					<i>////</i>	. = = {/////////////////////////////////	
Facade							
RAB-32-0360	032 - Install External Louvers /Windows/Doors						
					Date Re	vision Checked	Appro
Remaining Leve	-	· 3-Month	Rolling Programme, 01	Aar. 2018 Statused		nme, 01 Mar-18 Statused	
<ul> <li>Actual Level of E</li> </ul>	Effort Remaining Work 🛆 Finish Constraint	1					

LEIGHTON 徑 續	605	Contract No. HY/20 <sup>2</sup>	14/05 - Remaining And	illary Building and Facilitie	es			Page 6 o
y ID	Activity Name	er 2017	January 2018	February 2018	March 2	018	April 2018	May 20 <sup>°</sup>
		17 24 3	31 07 14 21	28 04 11 18 29	5 04 11	18 25	01 08 15 22	29 06
At Grade								
RAB-32-6460	032 - Prepare Sub Grade							
Specialist Installati								
RAB-32-630	032 - Construct Immigration Counters x 3							
RAB-32-640	032 - Construct Health Department Screening Station X 1							
IMMD Kiosk	020 Jeternel ADM/E and MED of IMMD Kingly							
RAB-32-0380	032 - Internal ABWF and MEP of IMMD Kiosk				· · · · · · · · · · · · · · · · · · ·			<i></i>
RAB-32-0350	032 - External Finishes to IMMD Kiosk							
RAB-32-0430	032 - Erect Kiosk Canopy @ +10.17mPD				U			
Glazed Canopy								
RAB-32-0520	032 - Install Glazed Panels							
Utilities and Drainag								
RAB-32-7310	032 - Install Flushing Water Mains	<b>[</b>						
RAB-32-7320	032 - Install Fresh Water Mains							
Testing & Commiss								
RAB-TC32-1000	032 - T&C (HVAC, FS, P&D, OTHERS)							
	ons & Approvals (Day 670 Completion)							//////
Water Supplies Dep Commencement								
Completion								
RAB-WSD-344	032 - WSD Inspection/Meter Connection for Building 032							
Fire Services Depa								
RAB-FSD-380	032 - Submit Form 501 to FSD for FS Inspection For Building 032							
RAB-FSD-610	032 - Submit Form 314 to FSD for FSD info, Building 032							
RAB-FSD-390	032 - FSD Inspection Period For Building 032							
TPIDC								
RAB-32-7250	032 - Submit Building 032 As Built Drawings to Engineer		•					
	Maintenance Building							
Excavation								
Raft								
Structure								
ABWF/E&M								
Ground Floor								
RAB-44-0410	044 - ABWF and MEP works to Degree 3 (KD8C)							
First Floor								
RAB-44-0460	044 - ABWF and MEP works to Degree 2 (KD8B)							
RAB-44-0560	044 - ABWF and MEP works to Degree 3 (KD8C)							
Second Floor								
RAB-44-0610	044 - ABWF and MEP works to Degree 2 (KD8B)							
RAB-44-0620	044 - ABWF and MEP works to Degree 3 (KD8C)							
RAB-44-0640	044 - Power On	•						
Roof Finishes								
RAB-44-0550	044 - Install Cat Ladder and Roof Hatch							
RAB-44-0540	044 - Install Railing							
Green Roof								
RAB-44-0400	044 - Install green Roof Irrigation Systems	P						
RAB-44-0500	044 - Complete Green Roofing Works							
External Finishes								
Facade								
RAB-44-0430	044 - Install External Louvers /Windows/Doors							
RAB-44-0530	044 - External Painting							
At Grade								
					Date	Rev	ision Check	ed Approv
Remaining Leve	I of Effort Actual Work Critical Remaining	3-Month Ro	olling Programme, 01 M	Mar. 2018 Statused			me, 01 Mar-18 Statused	

LEIGHTON 檀 将	<b>(11)</b>	Contract No. HY/201	4/05 - Remaining Ancill	ary Building and Facilit	ies				Page 7 of 1
tivity ID	Activity Name	er 2017	January 2018	February 2018		March 2018	April	2018	May 2018
		17 24 31	07 14 21 2	28 04 11 18	25 04	11 18 25	01 08	15 22	29 06
Specialist Installat	ons								
Window Wall East									
RAB-44-6880	044 - Install Primary Steelwork for Window Wall								
RAB-44-6890	044 - Install Secondary Steelwork for Window Wall								
RAB-44-6900	044 - Glazing to Window Wall								
West									
RAB-44-6920	044 - Install Primary Steelwork for Window Wall								
RAB-44-6930	044 - Install Secondary Steelwork for Window Wall								
RAB-44-6940	044 - Glazing to Window Wall								
Utilities and Draina	-				<b>//</b>				
Testing & Commiss									
RAB-TC44-1000	044 - T&C (HVAC, FS, P&D, OTHERS)								
Statutory Submissi									
EMSD - Building 04									
RAB-FSD-210	044 - Submit EMSD Form 5 (Completion of Lift Installation)		•						
RAB-FSD-220	044 - EMSD Lift Inspection								
RAB-FSD-114	044 - EMSD Lift Certificate Issued (Fire Lift) - Building 044			•					
Water Supplies De									
Commencement									
RAB-WSD-684	044 - Submit WWO 46 Pt. IV for Building 044	•							
Completion	-								
RAB-WSD-314	044 WSD Inspection/Meter Connection for Building 044								
Fire Services Depa	rtment (FSD)								
RAB-FSD-116	044 Submit Form 501 to FSD for FS Inspection For Building 044	•							
RAB-FSD-118	044 FSD Inspection Period For Building 044								
Engineer (AECOM)									
	ways Depot & Administration Building								
Raft									
Structure									
ABWF/E&M									
South Section									
Ground Floor									
RAB-45-0640	045 - ABWF and MEP works to Degree 3 (KD8C), South								
First Floor					<i>"</i>	<u></u>			
RAB-45-0780	045 - ABWF and MEP works to Degree 2 (KD8B), South								
RAB-45-0840	045 - ABWF and MEP works to Degree 3 (KD8C), South								
Second Floor (So									
RAB-45-0950	045 - ABWF and MEP works to Degree 2 (KD8B), South								
RAB-45-0970	045 - ABWF and MEP works to Degree 3 (KD8C), South				<i>4</i> / <sub>4</sub>				
External Finishes									
Roof Finishes So									
RAB-45-0910	045 - Install Roof Tiles - (540m <sup>2</sup> ), South								
RAB-45-0930	045 - Install Cat Ladder and Roof Hatch, South								
RAB-45-0920	045 - Install Railing, South	1			///				
Facade									
RAB-45-0620	045 - Install External Louvers /Windows/Doors, South								
At Grade									
Middle Section									
Ground Floor					<u> </u>				
RAB-45-0490	045 - ABWF and MEP works to Degree 3 (KD8C), Middle								
First Floor									
					Date	Ra	ision	Checked	Approve
Remaining Leve	-	····   3-Month Rol	ling Programme, 01 Ma	r. 2018 Statused	01-Mar-18	3-Month Rolling Program			
Actual Level of I	Effort Remaining Work								

Mode 0.000       Odd 1. mod 0.0000       Mode 0.000       Mod 0.000       Mode 0.000       Mode 0.	LEIGHTON 粒 街	Co	ontract No. HY/2014/05 - Remaini	ng Ancillary Building and Facili	ties				F	Page 8 of
Michology     dis-Nucl Train State-sets to Ungert 2 (UNII), Note:     Automation of the State Sta	y ID	Activity Name					_			May 2018
Diversity 20         Co Algo -		045 ARIVE and MER works to Degree 2 (KDPR) Middle		21 28 04 11 18	25 04	11 18 25	01 08	15	22 2	29 06
BASS-Str21       05- Poor 00, 303.0*										
Checked         0.6.1 relation from the Work in Water										
Find			•		///			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Bod-Fold Demug Exercise 70 Middle Demug Exercise		nidale								
End-0         Del - Lemini-brang, Madi:           Article		045 - Install External Louvers (Windows/Doors, Middle								
A Gried						1				
Gene Add Made		045 - External Fainting, Middle				1				
R.P.GE.No2         0.95 - Install source (Margue Root Inspike System, Mode					////					
Rx84-61070         Dec. Compa Goals Rx6deg Works Matte           Product Interactions         Final Second Product Seco										
special local										
Bit       B										
Bed         U <tdu< td="">         U         U         U</tdu<>										
R84-58/000         045 - fordal Society Minor Wall         Past-58/00         Past-58/00 <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td> <td>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</td> <td></td> <td></td>					<u> </u>			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
R34-36:00       def. Intell Strongthy Benevork for Windser Wall         N34-36:00       def. Intell Strong for Strongthy Benevork for Windser Wall         N44-36:00       def. Intell Strong for Strongthy Benevork for Windser		045 - Install Primary Steelwork for Window Wall								
R43-6100         L45-6100/up tu Window Wal           R43-6100         Ut5-transl Permay Struktork for Window Wal           R43-6100         Ut5-transl Permay S										
Wet										
RA4-54700       05 - fixed 32-company Selectivit (Vision Vial         RA4-54700       05 - fixed 32-company Selectivit (Vision Vial         RA4-5700       05 - fixed 32-company Selectivit (Vision Vial Selectit (Vision Vial Selectivit (Vision Vial Selectit (Vision										
RA4-57000       045 - Issing 2 Commencements       Image: Commencements       Im		045 - Install Primary Steelwork for Window Wall			<u> </u>					
R A4-7010         045         Guing to Window Wal           Uitikes and Drawsitoring										
Utilities and Drainings         Under Star (HVAC, FS, PBD, OTHERES)           RAB-T50-400         0.46 - Start (HVAC, FS, PBD, OTHERES)           Statutors Statutissis As Approvals (DV STO Computation)         •           RAB-T50-200         0.46 - Statute (HVSD) (HVC) (FS, PBD, OTHERES)           RAB-T50-200         0.46 - Statute (HVSD) (HVC) (HV										
Testing 4 Commissioning         Image: Commissioning 1 (045 r52 Completion)         Image: Commissioning 2 (045 r52 Completion)           Status: 075 Submits Status: 8 Submit St										
RAB-TG4-1020         045-1820         045-2000										
Statutory Submissions & Approvale (Day 500 Completion) RAPE 500 - 200 RAPE 500 -								(11111111111111111111111111111111111111		
EMS0 politifie politifie inspection <ul> <li>RAP-FSD-280</li> <li>Q65 - Student RNS Form Si (Completion of Lift Installation)</li> <li>RAP-FSD-280</li> <li>Q65 - EMSD Lift Inspection</li> <li>Ui D Fuel Tank</li> <li>Ui D Fuel T</li></ul>										
RAB-FSD-240       046 - Submit EMSD Fund Lift Installation) <ul> <li>Maler SD-240         <li>Maler SD-240</li> <li>Maler SD-240         <li>Maler SD-240         <li>Maler SD-240         <li>Maler SD-240         <li>Maler SD-240         <li>Maler SD-240</li> <li>Maler SD-240</li></li></li></li></li></li></li></ul>										
UVE Fully Tank         Water Supplies Department (WSD)         Commencement         RAB-WSD-64       045 - Submit WW 04 0P. IV for Building 045         Complexion         RAB-WSD-64       045 - WSD Processing/Inspection/Meter Connection for Building 045         Generator Set 2       045 - Submit Form 501 to FSD in rFS Inspection For Building 045         RAB-FSD-460       045 - Submit Form 501 to FSD in rFS Inspection For Building 045         RAB-FSD-460       045 - Submit Form 501 to FSD in rFS Inspection For Building 045         RAB-FSD-460       045 - Submit Form 501 to FSD in rFS Inspection For Building 045         RAB-FSD-460       045 - Submit Form 501 to FSD in rFS Inspection For Building 045         RAB-FSD-460       045 - Submit Form 501 to FSD in rFS Inspection For Building 045         RAB-FSD-450       045 - FSD Inspection Paried For Building 045         RAB-FSD-450       045 - FSD Inspection Paried For Building 045         Rab-FSD-450       045 - FSD Inspection Paried For Building 045         Rab-FSD-450       045 - FSD Inspection Paried For Building 045         Fearing Fishes       Paried Fishes         Degree 1       RAB-FSD-450       050 H1 - ABWF and MEP works to Degree 2 (KDB9)         RAB-FSD-450       050 H1 - ABWF and MEP works to Degree 2 (KDB9)       •         RAB-FSD-450       050 H1 - ABWF and MEP works to Degree 2			•							
Water Supplies Department (WSD) <ul> <li>Commender</li> <li>RAB-WSD-664</li> <li>045 - Submit WWO 46 Pt. IV for Building 045</li> <li>Completion</li> <li>RAB-WSD-824</li> <li>045 - Submit Form S01 to FSD for FS Inspection For Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD for FS Inspection For Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD for FS Inspection For Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD for FS Inspection For Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD for FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD for FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD for FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>045 - Submit Form S01 to FSD info, Building 045</li> <li>RAB-FSD-620</li> <li>050 H1 - ABWF and MEP works to Degree 1 (KD0A)</li> <li>RAB-FSD-61270</li> <li>050 H1 - ABWF and MEP works to Degree 2 (KD0B)</li> <li>RAB-FSD-1300</li> <li>050 H1 - ABWF and MEP w</li></ul>	RAB-FSD-250	045 - EMSD Lift Inspection								
Commencement         RAB-WSD-264       045 - Submit WW0 46 Pt. IV for Building 045         Completion         RAB-WSD-224       045 - WSD's Processing/Inspection/Meter Connection for Building 045         Generator Start, Design	U/G Fuel Tank									
RAP-WSD-654       045 - Submit WWO 46 Pt. IV for Building 045         Completion       RAP-WSD-284       045 - WSD's ProcessingInspection/Meter Connection for Building 045         Generator Set - Design       Frie Services Department (FSD)       RAP-WSD-624       045 - Submit Form 301 to FSD for FS Inspection For Building 045         RAP-WSD-640       045 - Submit Form 301 to FSD for FSD into, Building 045       Frie Services Department (FSD)       Frie Services Department (FSD)         RAP-KSD-400       045 - Submit Form 314 to FSD into, Building 045       Frie Services Department (FSD)       Frie Services Department (FSD)         RAP-KSD-400       045 - Submit Form 314 to FSD into, Building 045       Frie Services Department (FSD)       Frie Services Department (FSD)         Rubit FSD-400       045 - Submit Form 314 to FSD into, Building 045       Frie Services Department (FSD)       Frie Services Department (FSD)         Rubit FSD-400       045 - FSD into, Building 045       Frie Services Department (FSD)       Frie Services Department (FSD)         Rubit FSD-400       Department (FSD)       Frie Services Department (FSD)       Frie Services Department (FSD)         Rubit Forlie (Font H)       Frie Services Department (FSD)       Frie Services Department (FSD)       Frie Services Department (FSD)         Rubit Forlie (Font H)       Frie Services Department (FSD)       Frie Services Department (FSD)       Frie Services Department (FSD)	Water Supplies Depa	artment (WSD)								
Completion       RAP-WSD-284       045 - WSD Processing/inspection/Meter Connection for Building 045         RAP-K9D-284       045 - WSD Processing/inspection/Meter Connection for Building 045         RAP-K9D-40       045 - Submit Form 314 to FSD for FS Inspection For Building 045         RAP-K9D-40       045 - Submit Form 314 to FSD for FS Inspection For Building 045         RAP-K9D-40       045 - Submit Form 314 to FSD for FSD info. Building 045         RAP-K9D-40       045 - SUB Inspection Pariod For Building 045         RAP-K9D-40       045 - SUB Inspection Pariod For Building 045         RAP-K9D-41       045 - SUB Inspection Pariod For Building 045         RAP-K9D-420       045 - SUB Inspection Pariod For Building 045         RAP-K9D-160       Internal Finishes         Public Toilet (Portion H1)       Excervation         Structure       ASWF/EAM         Internal Finishes       Internal Finishes         Degree 1       AsWF/EAM         RAP-50-170       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Degree 2       RAP-50-120         RAP-50-120       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAP-50-120       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAP-50-120       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAP-50-120       050 H1 - Power On <tr< td=""><td>Commencement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	Commencement									
RAB-W3D-284       045-W3D's Processing/Inspection/Neter Connection for Building 045         Generator Set - Design       File         File       Services         RAB-FSD-400       045 - Submit Form 501 to FSD for FS Inspection For Building 045         RAB-FSD-400       045 - Submit Form 501 to FSD for FSD info, Building 045         RAB-FSD-400       045 - Submit Form 501 to FSD info, Building 045         RAB-FSD-400       045 - Submit Form 501 to FSD info, Building 045         Engineer (AECOM)       File         Building 050 - Public. Toiletis Type 2.         Public Toilet (Portion H1)         Excavation         Ratt         Structure         ABA-FSD-1200       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Degree 1         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and M	RAB-WSD-654	045 - Submit WWO 46 Pt. IV for Building 045	•							
Generator Set - Design         Fire Services Department (FSD)         RAB-FSD-430       045 - Submit Form 501 to FSD tor, FSD info, Building 045         RAB-FSD-430       045 - Submit Form 314 to FSD tor FSD info, Building 045         RAB-FSD-430       045 - Submit Form 314 to FSD tor FSD info, Building 045         RAB-FSD-430       045 - Submit Form 314 to FSD tor FSD info, Building 045         Rab-FSD-430       045 - FSD inspection Period For Building 045         Rab-FSD-430       045 - Submit Form 314 to FSD tor FSD info, Building 045         Structure       A         Rab-FSD-430       045 - Submit Form 314 to FSD tor FSD info, Building 045         Structure       A         ABWFFEXM       Formation H1)         Excavation       Final H1         Rab-Sol 170       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Pegree 1       Final-Sol 170         RAb-Sol 170       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAb-Sol 1200       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAb-Sol 1200       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAb-Sol 1200       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAb-Sol 1200       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAb-Sol 1200       050 H1 - ABWF and MEP works to Degree 2 (KD9B) <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>										
Fire Services Department (FSD)         RAB-FSD-440       045 - Submit Form 501 to FSD for FSD lindo, Building 045         RAB-FSD-20       045 - Submit Form 314 to FSD for FSD lindo, Building 045         RAB-FSD-450       045 - FSD Inspection Period For Building 045         Brighter (AECOM)       Raining Control FSD Inspection Period For Building 045         Public Toilets Type 2       Public Toilets Type 2         Public Toilet (Portion H1)       Excavation         Ratt       ABW-FFEAM         Structure       ABW-FFEAM         ABW-FFEAM       Internal Finishes         Degree 1       RAB-50-1170         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Degree 2       Image: ABW-FEAM         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - New FOn         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       - <td>RAB-WSD-284</td> <td>045 - WSD's Processing/Inspection/Meter Connection for Building 045</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	RAB-WSD-284	045 - WSD's Processing/Inspection/Meter Connection for Building 045								
RAB-FSD-440       045 - Submit Form 501 to FSD for FSD Info, Building 045         RAB-FSD-620       045 - Submit Form 314 to FSD for FSD Info, Building 045         RAB-FSD-620       045 - Submit Form 314 to FSD for FSD Info, Building 045         Engineer (AECOM)       Building 050 - Public Tollets Type 2         Public Tollet (Portion H1)       Excavation         Rat       Structure         Rat       ASWF/EAM         Internal Finishes       Excavation         Degree 1       RAB-50-1170         RAB-50-1170       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Degree 2       Internal Finishes         RAB-50-1170       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1170       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1170       050 H1 - NBWF and MEP works to Degree 2 (KD9B)         RAB-50-1170       050 H1 - NBWF and MEP works to Degree 2 (KD9B)         RAB-50-1170       050 H1 - NBWF and MEP works to Degree 2 (KD9B)         RAB-50-1170       050 H1 - NBWF and MEP works to Degree 2 (KD9B)         RAB-50-1170       050 H1 - NBWF and MEP works to Degree 2 (KD9B)         RAB-50-1170       050 H1 - NBWF and MEP works to Degree 2 (KD9B)         RAB-50-1170       050 H1 - NBWF and MEP works to Degree 2 (KD9B)         RAB-50-1170       050 H1 - NBWF and										
RAB-FSD-620       045 - Submit Form 314 to FSD for FSD info, Building 045         RAB-FSD-430       045 - FSD Inspection Period For Building 045         Engineer (AECOM)       Image: Contract Type 2         Public Toilet (Portion H1)       Image: Contract Type 2         Excavation       Image: Contract Type 2         Public Toilet (Portion H1)       Image: Contract Type 2         Excavation       Image: Contract Type 2         Public Toilet (Portion H1)       Image: Contract Type 2         Excavation       Image: Contract Type 2         Public Toilet (Portion H1)       Image: Contract Type 2         Excavation       Image: Contract Type 2         Public Toilet (Portion H1)       Image: Contract Type 2         Excavation       Image: Contract Type 2         Public Toilet (Portion H1)       Image: Contract Type 2         Excavation       Image: Contract Type 2         Public Toilet (Portion H1)       Image: Contract Type 2         Base Contract To Contract Type 2       Image: Contract Type 2         Public Toilet (Portion H1)       Image: Contract Type 2         RAB-50-1170       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - Power On         Image: Contr										
RAB-FSD-450       045 • FSD Inspection Period For Building 045         Engineer (AECOM)         Building 050 • Public Toilets Type 2         Public Toilets Type 2         Public Toilets Type 2         Figure (AECOM)         Building 050 • Public Toilets Type 2         Public Toilets Type 2         Public Toilets Type 2         Figure (AECOM)         Excavation         Raf         Structure         ABWF/F&AM         Internal Finishes         Degree 1         RAB-50-1170       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Degree 2         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - ABWF and MEP works to Degree 1 (MER, 18 Statused										
Engineer (AECOM)         Building 050 - Public Toilets Type 2         Public Toilet (Portion H1)         Excavation         Raft         Structure         ABW/FE&M         Internal Finishes         Degree 1         RAB-50-1170       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Degree 2         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 1 (KD9A)                RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - Power On               RAB-50-1300       050 H1 - Power On					<i></i>					
Building 050 - Public Toilets Type 2 Public Toilet (Portion H1) Excavation Raft Structure ABWF/E&M Degree 1 RAB-50-1170 050 H1 - ABWF and MEP works to Degree 1 (KD9A) Degree 2 RAB-50-1170 050 H1 - ABWF and MEP works to Degree 2 (KD9B) RAB-50-1270 050 H1 - ABWF and MEP works to Degree 2 (KD9B) RAB-50-1270 050 H1 - Power On C RAB-50-1270 050 H1 - ABWF and MEP works to Degree 2 (KD9B) RAB-50-1270 050 H1 - ABWF and MEP works to Degree 2 (KD9B) RAB-50-1270 050 H1 - ABWF and MEP works to Degree 2 (KD9B) RAB-50-1270 050 H1 - ABWF and MEP works to Degree 2 (KD9B) RAB-50-1270 050 H1 - Power On C C C C C C C C C C C C C C C C C C C		045 - FSD Inspection Period For Building 045								
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Excavation         Raft         Structure         ABWF/EAM         Internal Finishes         Degree 1         RAB-50-1170       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Degree 2         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - Power On										
Raft   Structure   ABWF/E&M   Internal Finishes   Degree 1   RAB-50-1170   050 H1 - ABWF and MEP works to Degree 1 (KD9A)   Degree 2   RAB-50-1270   050 H1 - ABWF and MEP works to Degree 2 (KD9B)   RAB-50-1300   050 H1 - Power On		H1)								
Structure         ABWF/E&M         Internal Finishes         Degree 1         RAB-50-1170       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Degree 2         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - Power On					<i></i>					
ABWF/E&M         Internal Finishes         Degree 1         RAB-50-1170       050 H1 - ABWF and MEP works to Degree 1 (KD9A)         Degree 2         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - Power On         Emaining Level of Effort       Actual Work       Critical Remaining       3-Month Rolling Programme, 01 Mar. 2018 Statused										
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RAB-50-1270       050 H1 - ABWF and MEP works to Degree 2 (KD9B)         RAB-50-1300       050 H1 - Power On <ul> <li>Remaining Level of Effort</li> <li>Actual Work</li> <li>Critical Remaining</li> </ul> <b>3-Month Rolling Programme, 01 Mar. 2018 Statused</b>										
RAB-50-1300       050 H1 - Power On         Remaining Level of Effort       Actual Work       Critical Remaining       3-Month Rolling Programme, 01 Mar. 2018 Statused       Date       Revision       Checked       Actual Work		050 H1 - ABWF and MEP works to Degree 2 (KD9B)								
Remaining Level of Effort Actual Work Critical Remaining <b>3-Month Rolling Programme, 01 Mar. 2018 Statused</b> Date Revision Checked     Ol-Mar. 18 Statused										
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3-Month Rolling Programme, 01 Mar. 2018 Statused	Remaining Lovel	of Effort Actual Work Critical Remaining	0 Manuth Datting D	- 04 Mar 0040 0(-/ -	Date	Rev	ision	Che	ecked	Approv
	-	-	3-Month Rolling Programn	ne, 01 Mar. 2018 Statused					-	

LEIGHTON 檀 初	(11)	Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities	Page 9 of 13
ctivity ID	Activity Name	ler 2017         January 2018         February 2018         March 2018         April 2           17         24         31         07         14         21         28         04         11         18         25         04         11         18         25         01         08	2018 May 2018 15 22 29 06
<b>Degree 3</b> RAB-50-1280	050 H1 - ABWF and MEP works to Degree 3 (KD9C)		
Specialist installat RAB-50-1240			
	050 H1 - Installation of Sanitaryware and Fixtures		
Roof Finishes RAB-50-1210	050 H1 - Install Cat Ladder and Roof Access Hatch		
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	050 H1 - Install Skylights (8No)		
	050 H1 - Install Railing - 49m		
	050 H1 - Install Aluminium Cladding		
External Finishes			
	050 H1 - Install External Louvers /Windows/Doors		
At-Grade			
Utilities and Drainag			
Testing & Commissi			
	050 H1 - T&C (HVAC, FS, P&D, OTHERS)		
	ons & Approvals (Day 670 Completion)		
Water Supplies Dep			
RAB-WSD-624	050 H1 - Submit WWO 46 Pt. IV for Building 050		
Completion	terr and (FCD)		
Fire Services Depar RAB-FSD-560	050 H1 - Submit Form 501 to FSD for FS Inspection For Building 050		<i></i>
	050 H1 - Submit Form 314 to FSD for FSD info, Building 050		
	050 H1 - FSD Inspection Period For Building 050		
Engineer (AECOM)			
Public Toilet (Portion	<u>1</u> H2)		//////////////////////////////////////
Excavation			
Raft Structure			
ABWF/E&M			
Internal Finishes			
Degree 1			·/////////////////////////////////////
	050 H2 - ABWF and MEP works to Degree 1 (KD10A)		
Degree 2			
	050 H2 - ABWF and MEP works to Degree 2 (KD10B)		
	050 H2 - Power On		
Degree 3			<i></i>
	050 H2 - ABWF and MEP works to Degree 3 (KD10C)		
Specialist installat			
	050 H2 - Installation of Sanitaryware and Fixtures		
Roof Finishes	,		
	050 H2 - Install Cat Ladder and Roof Access Hatch		
	050 H2 - Install Skylights (8No)		
	050 H2 - Install Railing - 49m		
	-		
	050 H2 - Install Aluminium Cladding		
External Finishes RAB-50-2120	050 H2 - Install External Louvers /Windows/Doors		<i></i>
Utilities and Drainag RAB-50-7915			
	050 H2 - Install Flushing Water Mains		
	050 H2 - Install Fresh Water Mains		
Testing & Commissi			
RAB-TC50-1010	050 H2 - T&C (HVAC, FS, P&D, OTHERS)		
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Remaining Level of the second seco	-	3-Month Rolling Programme, 01 Mar. 2018 Statused         Date         Revision           01-Mar-18         3-Month Rolling Programme, 01 Mar-18 Statused	Checked Approved
Actual Level of Eff	fort Constraint Remaining Work		<u> </u>

Statutory SubmissionsWater Supplies DeparCommencementRAB-WSD-59409CompletionFire Services DepartmRAB-FSD-53009RAB-FSD-74009	150 H2 - Submit WWO 46 Pt. IV for Building 050	er 2017 17	◆	31	Jar 07	14 14	8 21	28	04	Februar		25	5 04	March	2018 18	25	01	Aj 08	pril 2018 15		29	May 20′ 06
Water Supplies Depart         Commencement         RAB-WSD-594       05         Completion       05         Fire Services Departm       05         RAB-FSD-530       05         RAB-FSD-740       05         RAB-FSD-540       05         Engineer (AECOM)       05         Public Toilet (Portion A       A         Excavation       Raft         Structure       5	rtment (WSD) 150 H2 - Submit WWO 46 Pt. IV for Building 050 nent (FSD) 150 H2 - Submit Form 501 to FSD for FS Inspection For Building 050		◆	31	07	14	21	28	04	11	18	2	04	11	18	25	01	08	15	22	29	1 0h
Water Supplies Depart         Commencement         RAB-WSD-594       05         Completion       05         Fire Services Departm       05         RAB-FSD-530       05         RAB-FSD-740       05         RAB-FSD-540       05         Engineer (AECOM)       05         Public Toilet (Portion A       A         Excavation       Raft         Structure       5	rtment (WSD) 150 H2 - Submit WWO 46 Pt. IV for Building 050 nent (FSD) 150 H2 - Submit Form 501 to FSD for FS Inspection For Building 050		٠					///	///////////////////////////////////////									77////////	111111111	TITI IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	7//	1 0
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RAB-WSD-5940.9CompletionFire Services DepartmRAB-FSD-5300.9RAB-FSD-7400.9RAB-FSD-7400.9Engineer (AECOM)Public Toilet (Portion AExcavationARaftStructure	nent (FSD) 150 H2 - Submit Form 501 to FSD for FS Inspection For Building 050		<b>•</b>																			
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Internal Finishes				1 1 1																		
Degree 1 RAB-50-3170 05	50 A1 - ABWF and MEP works to Degree 1 (KD11A)			1																		
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Degree 2 RAB-50-3270 05	50 A1 - ABWF and MEP works to Degree 2 (KD11B)							<i>.</i> //,										<u>, , , , , , , , , , , , , , , , , , , </u>	<i>44444</i>		<i></i>	
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RAB-50-3210 05	50 A1 - Install Cat Ladder and Roof Access Hatch																					
RAB-50-3200 05	150 A1 - Install Railing - 49m																					
RAB-50-4370 05	50 A1 - Install Aluminium Cladding			1 1 1																		
External Finishes																						
RAB-50-3150 0	50 A1 - External Render (From Bldg 050 H2)																					
RAB-50-3120 05	150 A1 - IInstall External Louvers /Windows/Doors			1																		
	150 A1 - External Tiling			1 1 1																		
Utilities and Drainage																						
	150 A1 - Install Flushing Water Mains										,,,,,,, <u>,,,,</u>											
	150 A1 - Install Fresh Water Mains																					
Testing & Commission RAB-TC50-1020	1009 150 A1 - T&C (HVAC, FS, P&D, OTHERS)															-						
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Fire Services Departm RAB-FSD-500 09	150 A1 - Submit Form 501 to FSD for FS Inspection For Building 050					····		·										<i>111111111</i> 11			<i></i>	
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	V50 A1 - Submit Form 314 to FSD for FSD info, Building 050			1		•		ļ														
	50 A1 - FSD Inspection Period For Building 050			1																		
Engineer (AECOM)																						
Public Toilet (Portion A	2)																-	44444	44444			
Excavation																						
Raft																						
_Structure																						
_ABWF/E&M																		<u>/////////////////////////////////////</u>	<u> ////////////////////////////////////</u>			
Remaining Level of I	Effort Actual Work Critical Remaining	3-	Month F	Rollin		aramn	ne 01	Mar	2019	Statu	sed		Date 1-Mar-18			Revi Programr				Checked		Appro

LEIGHTON 1位中面	C	ontract No. HY/2014/05 - Remaining Ancillary Building and Facilit	les			г	Page 11 of 1
vity ID	Activity Name	er 2017 January 2018 February 2018		March 2018	April 201	8	May 2018
		17 24 31 07 14 21 28 04 11 18	25 04	11 18 2	5 01 08 1	5 22	29 06
Internal Finishes Degree 1							
RAB-50-4170	050 A2 - ABWF and MEP works to Degree 1 (KD12A)						
Degree 2							
RAB-50-4270	050 A2 - ABWF and MEP works to Degree 2 (KD12B)						
RAB-50-4300	050 A2 - Power On						
Degree 3						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
RAB-50-4280	050 A2 - ABWF and MEP works to Degree 3 (KD12C)						
Specialist installa							
RAB-50-4240	050 A2 - Installation of Sanitaryware and Fixtures						
Roof Finishes							
RAB-50-4180	050 A2 - Install Roof Tiles - 140m <sup>2</sup>						
RAB-50-4210	050 A2 - Install Cat Ladder and Roof Access Hatch						
RAB-50-4100	050 A2 - Install Skylights (8No)						
RAB-50-4200	050 A2 - Install Railing - 49m						
RAB-50-4380	050 A2 - Install Aluminium Cladding		///				
External Finishes				_			
RAB-50-4120	050 A2 - Install External Louvers /Windows/Doors						
RAB-50-4190	050 A2 - External Tiling						
Utilities and Draina							
RAB-50-7995	050 A2 - Install Flushing Water Mains		<b></b>				
RAB-50-8005	050 A2 - Install Fresh Water Mains						
Testing & Commiss			<u></u>				
	050 A2 - T&C (HVAC, FS, P&D, OTHERS)						
	ons & Approvals (Day 670 Completion)						
Water Supplies De Commencement	partment (WSD)						
RAB-WSD-534	050 A2 - Submit WWO 46 Pt. IV for Building 050						
Completion							
Fire Services Depa	Intment (FSD)						
RAB-FSD-260	050 A2 - Submit Form 501 to FSD for FS Inspection For Building 050						
RAB-FSD-760	050 A2 - Submit Form 314 to FSD for FSD info, Building 050	◆					
RAB-FSD-270	050 A2 - FSD Inspection Period For Building 050						
Engineer (AECOM							
Building 053 - Outbo							
Excavation							
Raft							
Structure							
External Walls							
Internal Structures							
First Floor			<b>//</b>				
Roof Floor ABWF/E&M							
Ground Floor							
Degree 1							
Degree 2							
Degree 3							
RAB-53-0580	053 - ABWF and MEP works to Degree 3 (KD1C) G/F						
First Floor							
Degree 1							
Degree 2			<b>//</b>				
Degree 3							
RAB-53-0660	053 - ABWF and MEP works to Degree 3 (KD1C) F/F						
Remaining Level	of Effort Actual Work Critical Remaining	3-Month Rolling Programme, 01 Mar. 2018 Statused	Date	R	evision	Checked	Approved
			01-Mar-18		amme, 01 Mar-18 Statused		

LEIGHTO 范:中页		Contract No. HY/	2014/05 - Remaining And	illary Building and Faciliti	es			F	Page 12 of
'ID	Activity Name	er 2017	January 2018	February 2018	March		April 201		May 201
External Finishes		17 24	31 07 14 21	28 04 11 18 2	25 04 11	18 25	01 08 1	15 22	29 06
External Facade									
At Grade									
RAB-53-7615	053 - Prepare Sub Grade								
Roof Finishes									
RAB-53-0530	053 - Install Railing - 105m								
Spacialist Install	ations								
Glazed Canopy RAB-53-0620	053 - Construct high level Canopy at +9.95mPD								
Utilities and Drain									
Testing & Commis									
	sions & Approvals (Day 470 Completion)								
	053 Lift Inspection								
RAB-FSD-160	053 - EMSD Lift Inspection - Building 053	l							
	Department (WSD)								
Commencemen									
RAB-WSD-504	053 - Submit WWO 46 Pt. IV for Building 053	<b>●</b>							
Completion RAB-WSD-102	053 - WSD's Processing/Inspection/Meter Connection for Building	053						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Fire Services Dep		000							
Engineer (AECO									
RAB-53-7460	053 - Submit Building 053 As Built Drawings to Engineer		•						
uilding 058 - Out	tbound X-Ray Scan Tunnel								
xcavation									
Raft									
Structure									
ABWF/E&M									
Internal Finishes Roof Finishes									
External Finishes									
Facade									
RAB-58-0470	058 - External Painting								
At Grade									
RAB-58-6760	058 - Prepare Sub Grade								
Glazed Canopy									
RAB-58-0600	058 - Construct high level canopy at +13.231mPD								
Itilities and Drain									
esting & Commis	ssioning sions & Approvals (Day 470 Completion)								
Fire Services Dep									
Engineer (AECO									
RAB-58-7490	058 - Submit Building 058 As Built Drawings to Engineer		•						
uilding 059 - Inb	ound X-Ray Scan Tunnel								
xcavation									
aft Foundations									
Walls Roof Slabs									
Cure and Strip									
ABWF/E&M									
Internal Finishes									
External Finishes	S								
Facade					<u></u>				
RAB-59-0480	059 - External Painting								
<ul> <li>Remaining Let</li> </ul>	evel of Effort Actual Work Critical Remainin	ng 3-Month	Rolling Programme, 01	Mar 2018 Statused	Date	Revisi		Checked	Appro
	of Effort Remaining Work Grinish Constraint				01-Mar-18 3-Mor	th Rolling Programm	e, 01 Mar-18 Statused	1	1

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tivity ID	Activity Name	er 2017			Jai	nuary 201	8		Fe	ebruary 2	018			March	2018			Ap	oril 2018		Ν	May 2018
		17	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15	22	29	06
At Grade				1	<b>L</b>		LL							_								
RAB-59-6700	059 - Prepare Sub Grade			1																		
Roof Finishes																						
Glazed Canopy																						
RAB-59-0610	059 - Construct high level glazed canopy at +13.406mPD North																					
RAB-59-0620	059 - Construct high level glazed canopy at +13.231mPD South																					
Utilities and Drain	hage																					
Testing & Commis	ssioning																					
Statutory Submis	sions & Approvals (Day 470 Completion)																					
Fire Services Dep	partment (FSD)																					
Engineer (AECO	M)																					
RAB-59-7520	059 - Submit Building 059 As Built Drawings to Engineer						•															

Remaining Level of Effort Actual Work Critical Remaining	2 Month Dolling Drogramme 04 Mar 2049 Statused	Date	Revision	Checked	Approved
Actual Level of Effort     Remaining Work     Grissh Constraint	3-Month Rolling Programme, 01 Mar. 2018 Statused	01-Mar-18	3-Month Rolling Programme, 01 Mar-18 Statused		

Contract No.: HY/2013/06		Detail Work Programme									
Activity ID Activity Name				201	5			201			
			Ц	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
🛛 늘 Hong Kong-Zhuhai_Macao Bridge Hong Kong	g Boundary Crossing F										
📑 Key Dates											
Interface Activities											
Site and Facility Inspection											
JS1200 Pre Site and Facility Inspection by Contractor at Lo	ocation 4 - Deg2										
JS1210 Joint Site and Facility Inspection with Interface Cor											
JS1620 Pre Site and Facility Inspection by Contractor at Lo											
JS1630 Joint Site and Facility Inspection with Interface Cor											
JS1760 Pre Site and Facility Inspection by Contractor at Lo											
JS1770 Joint Site and Facility Inspection with Interface Cor											
JS1780 Pre Site and Facility Inspection by Contractor at Lo					-1				!!		
JS1790 Joint Site and Facility Inspection with Interface Cor	ntractor at Location 18 - Deg2										
Access Dates											
AD1000 Location 1(PCB (001) Basement)-Deg1 (270d)											
AD1010 Location 1(PCB (001) Basement)-Deg2 (380d)											
AD1020 Location 1(PCB (001) ELV Room (Grid Line E3))-I	Deg1 (270d)										
AD1030 Location 1(PCB (001) ELV Room (Grid Line E3))-I	Deg2 (380d)										
AD1040 Location 2(PCB (001) First Floor Main Server Roo	om)-Deg1 (330d)										
AD1050 Location 2(PCB (001) First Floor Main Server Roo	om)-Deg2 (380d)										
AD1060 Location 2(PCB (001) First Floor Main Server Roo	om) - For Server Installation - Deg2 (										
AD1070 Location 2(PCB (001) Ground Floor ELV Room (G	Grid Line E3)) - Deg1 (330d)			+		· -					
AD1080 Location 2(PCB (001) Ground Floor DOH Port He	alth Control Room (Grid Line BD5)) -										
AD1090 Location 2(PCB (001) Ground Floor DOH Port He	alth Control Room (Grid Line BD5)) -										
AD1130 Location 3(Inbd Cargo Exam Bldg (037) Platform	Control Room)-Deg2 (500d)										
AD1150 Location 3(Inbd Cargo Exam Bldg (037) Inspector	Offices 128,129,130,131,128,129,14										
AD1170 Location 3a(Inbd Cargo Exam Bldg (037) ROCAR	S Room)-Deg2 (480d)										
AD1190 Location 3a(Inbd Cargo Exam Bldg (037) Main Se											
AD1200 Location 3a(Inbd Cargo Exam Bldg (037) Main Se											
AD1220 Location 4(Outbd Cargo Exam Bldg (023))-Deg2 (											
AD1240 Location 4a(Outbd Cargo Exam Bldg (023))-Deg2							+-+				
AD1270 Location 6(Common Utility Enclosure & Staff Subw											
AD1290 Location 7(Common Utility Enclosure & Staff Subw											
AD1300 Location 8(Inbd Private Car Annex (025))-Deg1 (4											
AD1310 Location 8(Inbd Private Car Annex (025))-Deg2 (5 AD1320 Location 8(Inbd Private Car Annex (025) Canopy)-											
AD1330 Location 8(Inbd Private Car Annex (025) Canopy)			-								
AD1340 Location 9(Outbd Private Car Annex (022))-Deg1	- · · ·										
AD1350 Location 9(Outbd Private Car Annex (032))-Deg2											
AD1360 Location 9(Outbd Private Car Annex (032) Canopy											
AD1370 Location 9(Outbd Private Car Annex (032) Canopy											
AD1501 Location 12(Inbd Private Car Kiosks(027))-Deg1 (											
AD1510 Location 12(Inbd Private Car Kiosks(027))-Deg2 (											
AD1511 Location 12(Inbd Private Car Kiosks(027))-Deg2 (	480d) Phase 2										
AD1521 Location 12(Inbd Private Car Kiosks(027) Canopy	)-Deg1 (400d) Phase 2										
											<u> </u>
	al Level of Effort vinnery	Tiony Kong-Zhuna-Macao Dhuge									14-
	nary Baseline	Hong Kong Boundary Crossing									10-
	al Work	Facilities - Automatic Vehicle									5-M
	naining Work	Clearance Support System (AVCSS)									
	cal Remaining Work										
	eline Milestone										
◆ Mile	30110										

Date	Revision	Checked	Approved
Nov-16	Rev.: 0	WC	LC
Mar-17	Rev.: 1.0a	WC	LC
lay-17	Rev.: 1.0b	WC	LC

Action       Control       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Control       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Control       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Control       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Control       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Control       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Control       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1         Antion       Third Phase Car Kinded CT Carcego-Deg (KKD) Phase 1       Third Phase Car Kinded CT Phase 1         Antion <ththird (kkd)="" car="" carcego="" ct="" deg="" kinded="" p<="" phase="" th=""><th>Contract No.: HY/20 tivity ID</th><th>Activity Name</th><th>Detail Work Programme</th><th>20</th><th>)15</th><th></th><th></th><th>2</th><th>2016</th><th></th><th></th><th></th><th>2017</th><th></th><th></th><th>2</th><th>018</th><th></th><th>Page 20</th><th>019</th></ththird>	Contract No.: HY/20 tivity ID	Activity Name	Detail Work Programme	20	)15			2	2016				2017			2	018		Page 20	019
AD130       Loadio 1201d P Tree C at Koak (201) Capy Org. (400) Pres 2         AD140       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 3         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 3         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 3         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 3         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 3         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 3         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (200) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (201) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (201) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (201) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (201) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (201) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (201) Pres 2         AD151       Loadio 1201d C Tree C at Koak (201) Capy Org. (201) Pres				Q2	Q3	Q4	Q1			3 Q4	4 (	Q1 C		03 Q4	4 Q'			Q4	Q1	Q2
AD160         Location 120/LoC 2010 Cogne (2020) Plane 1         Location 120/LoC 2010 Plane 2           AD1610         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD160         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD160         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD160         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD160         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD160         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD160         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD161         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD161         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD161         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2         Location 120/LoC 2010 Plane 2           AD161         Location 120/LoC 201	😑 AD1530	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d) Phase 1											S Lo	ation 12	2(Inbd	Private	Car Kios	ks(027	) Cano	py)-C
Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 2         Artista       Location Tuberco Weake (2019), Logit (400) Press 1         Artista       Location Tuberco Weake (2019), Logit (400) Press 1         Artista       Location Tuberco Weake (2019), Logit (400) Press 1         Artista       Location Tuberco Weake (2019), Logit (400) Press	🛑 AD1531	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d) Phase 2											8	Locatio	on 12(1	Inbd Priv	vate Car	Kiosks	(027) C	Janor
Autom         Location         Types of Woods (200)         Codesis         Types of Woods (200)	🔲 AD1540	Location 12(Inbd GV Kiosks (028))-Deg1 (400d) Phase 1											🕈 Loc	ation 12	(lnbd	GV Kios	ks (028)	)-Deg1	(400d	) Pha
Antibio         Locarton 12/the di Viscole (2000) Poles 1           Antibio         Locarton 12/the di Viscole (2000) Pole (2000) Poles 1           Antibio         Locarton 12/the di Viscole (2000) Pole (2000) P	😑 AD1541	Location 12(Inbd GV Kiosks (028))-Deg1 (400d) Phase 2											8	ocation	12(Inb	d GV K	iosks (02	8))-De	g1 (40	Jd) P
Ab190         Location 12(Inited OV Kades (200) Campory Deg 1 (200) Phase 1         Location 12(Inited OV Kades (200) Campory Deg 1 (200) Phase 1           Ab1910         Location 12(Inited OV Kades (200) Campory Deg 1 (200) Phase 1         Location 12(Inited OV Kades (200) Location 12(Inited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Location 12(Inited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited V Kades (200) Phase 1         Location 12(Linited V Kades (200) Phase 1           Ab1910         Location 12(Linited V Kades (200) Phase 1         Location 12(Linited V Kades (200) Phase 1           Ab1910         Location 12(Linited V Kades (200) Phase 1         Location 12(Linited V Kades (200) Phase 1           Ab1910         Location 12(Linited V Kades (200) Phase 1	😑 AD1550	Location 12(Inbd GV Kiosks (028))-Deg2 (480d) Phase 1											8 L	ocation 1	2(Inbo	d GV Kic	osks (02¢	8))-Deg	92 (480	d) Pr
Ab190         Location 12(Inited OV Kades (200) Campory Deg 1 (200) Phase 1         Location 12(Inited OV Kades (200) Campory Deg 1 (200) Phase 1           Ab1910         Location 12(Inited OV Kades (200) Campory Deg 1 (200) Phase 1         Location 12(Inited OV Kades (200) Location 12(Inited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Location 12(Inited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited OV Kades (200) Phase 1         Location 12(Linited OV Kades (200) Phase 1           Ab1910         Location 12(Linited V Kades (200) Phase 1         Location 12(Linited V Kades (200) Phase 1           Ab1910         Location 12(Linited V Kades (200) Phase 1         Location 12(Linited V Kades (200) Phase 1           Ab1910         Location 12(Linited V Kades (200) Phase 1         Location 12(Linited V Kades (200) Phase 1           Ab1910         Location 12(Linited V Kades (200) Phase 1	🔲 AD1551	Location 12(Inbd GV Kiosks (028))-Deg2 (480d) Phase 2											8	Location	h 12(In	bd GV I	Kiosks (0	28))-D	eg2 (48	30d) (
An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Camps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damps Dag2 (400) Phase 1         An 1570       Leastern Tallwind W Kades (100): Damp	😑 AD1560	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d) Phase 1											A							
APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 2 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Phase 1 APIST Locator 12/0.04 (V Kose (20): Degr (400): Pha	😑 AD1561	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d) Phase 2											1 <b>8</b> 1	ocation	12(Inb	d GV K	iosks (02	8) Can	iopy)-D	eg1 (
AP150       Loadon 12/00LEO YKosos (009)-1094 (400) Phase 1         AP150       Loadon 12/00LEO YKosos (009)-1094 (400) Phase 2         AP150       Loadon 12/00LEO YKosos (009)-1094 (400) Phase 1         AP150       Loadon 12/00LEO YKosos (000)-1094 (400) Phase 1         AP150       Loadon 12/00LE YKosos (000) Phase 1         AP150<	😑 AD1570	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d) Phase 1											🗴 Lo	ocation 1	12(Inbo	d GV Kid	osks (028	B) Can	opy)-De	∍ģ2 (4
AP1591 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 2 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 2 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 24 (MO) Phane 1 Loadon 12 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 12 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 12 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 12 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 12 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 12 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CO))-Dog 25 (SO) Phane 1 A1160 Loadon 14 (Cuto CV Kosse (CV Kos	😑 AD1571	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d) Phase 2											8	Location	n 12(In	nbd GV I	Kiosks (0	28) Ca	inopy)-	Deg2
A D1930 Location 12/ULIA OV Kosta (029)-Dog2 (400) Phase 1 AD1941 Location 12/ULIA OV Kosta (029)-Dog2 (400) Phase 2 AD1900 Location 12/ULIA OV Kosta (029)-Dog2 (400) Phase 2 AD1910 Location 12/ULIA OV Kosta (029)-Dog2 (400) Phase 1 AD1910 Location 12/ULIA OV Kosta (029)-Dog2 (400) Phase 1 AD1910 Location 13/ULIA Phase 1 AD1	🔲 AD1580	Location 12(Outbd GV Kiosks (029))-Deg1 (400d) Phase 1											8 Lo	cation 1	2(Outb	d GV K	iosks (02	29))-De	g1 (40	Jd) F
Antigen Location 12/Cubit Of Vices (202) Compound Data (2000) Press 2 Antigene 2000 Location 12/Cubit Of Vices (202) Compound Data (2000) Press 1 Location 12/Cubit Of Vices (202) Compound Data (2000) Press 1 Location 12/Cubit Of Vices (202) Compound Data (2000) Press 1 Location 12/Cubit Of Vices (202) Compound Data (2000) Press 1 Location 12/Cubit Of Vices (202) Compound Data (2000) Press 1 Location 13/Cubit Press (2000) Press 2 Location 13/Cubit Press (2000) Press 2 Location 13/Cubit Press (2000) Press 2 Location 13/Cubit Press (2000) Press 1 Location 13/Cubit Press (2000) Location 13/C	🔲 AD1581	Location 12(Outbd GV Kiosks (029))-Deg1 (400d) Phase 2			1 1				!!		1 1		8	ocation	12(Ou	itbd GV	Kiosks (	029))-¢	)eg1 (4	00d)
Antiset Location 12(Junit of Visional (102)) Dega (4400) Phase 2 Antiset 12(Junit of Visional (102)) Comprise 2(4000) Phase 1 Antiset 13(Junit Phate (Car Kodas (100)) Phase 2(4000) Phase 1 Antiset 13(Junit Phate (Car Kodas (100)) Phase 2(4000) Phase 1 Antiset 13(Junit Phate (Car Kodas (100)) Phase 1 Antiset 14(Junit Car Kodas (100)) Phase 1 Antiset 14(Junit Phate Car Kodas (100)) Phase 1 Antiset 14(Junit Car Kodas (100)) Phase 1 Antiset 14(Junit Car Kodas (100)) Phase 1 Antiset 14(Junit Phate Car Kodas (100)) Phase 1 Antiset 14(Junit Phat	🔲 AD1590	Location 12(Outbd GV Kiosks (029))-Deg2 (480d) Phase 1											8 L	ocation 1	12(Out	bd GV k	(iosks (0	29))-D	eg2 (48	30d) I
AD1001 Location 12/Outd V Kosis (020) Accepted 24801 Phase 2 AD1010 Location 13/Outd Phase (020) Accepted 24801 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Outd Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 14/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Out-Phase Car Kosis (020) - Deg 14800 Phase 1 AD1010 Location 13/Out-Phase Car Kosis (020) - Def 1400 Phase 1	🔲 AD1591	Location 12(Outbd GV Kiosks (029))-Deg2 (480d) Phase 2											8	Locatio	on 12(0	Outbd G	V Kiosks	(029))	-Deg2	(480
Antion Location 12/Cubb CM weaks (009) Campy Deg1 (4000) Phase 2 Antion 12/Cubb CM weaks (009) Campy Deg2 (400) Phase 1 Antion 12/Cubb CM weaks (000) Campy Deg2 (400) Phase 1 Antion 12/Cubb CM weaks (000) Campy Deg2 (400) Phase 1 Antion 12/Cubb CM weaks (000) Campy Deg2 (400) Phase 1 Antion 12/Cubb CM weaks (000) Campy Deg2 (400) Phase 1 Antion 12/Cubb CM weaks (000) Campy Deg2 (400) Phase 1 Antion 12/Cubb Phase C ar Koala (000) Phase 1 Antion 12/Cubb Phase C ar Koala (000) Phase 1 Antion 12/Cubb Phase C ar Koala (000) Phase 1 Antion 12/Cubb Phase Phase 1 Antion 12/Cubb Phase Ph	🔲 AD1600	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d) Phase 1											8 Lo	cation 1	2(Outb	d GV K	iosks (02	9) Car	iopy)-D	eg1
AD1161 Location 13(Cubit Private Car Kolask (020) Peage 14600) Peage 1 AD11620 Location 13(Cubit Private Car Kolask (020)) Peage 2(5500) Phase 1 AD11630 Location 13(Cubit Private Car Kolask (020)) Peage 2(5500) Phase 1 AD11630 Location 13(Cubit Private Car Kolask (020)) Peage 2(5500) Phase 1 AD11610 Location 13(Cubit Private Car Kolask (020)) Peage 2(5500) Phase 1 AD11610 Location 13(Cubit Private Car Kolask (020)) Peage 2(5500) Phase 1 AD11610 Location 13(Cubit Private Car Kolask (020)) Peage 2(5500) Phase 1 AD11610 Location 13(Cubit Private Car Kolask (020)) Peage 2(5500) Phase 1 AD11610 Location 13(Cubit Private Car Kolask (020)) Peage 2(6500) Phase 1 AD11610 Location 13(Cubit Private Car Kolask (020)) Peage 2(6800) AD11700 Location 14(Fulture-Outballind Private Car Kolask)-Dega 2(6800) AD11700 Location 13(Cubit Private	🔲 AD1601	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d) Phase 2											× .		1 1 1				1 1 1	1 1
AD1911       Location 13(UUble 7) Models (029 (Campy)-Deg1 4000) Phase 1         AD1020       Location 13(UUble 7) Models (029 (Campy)-Deg1 4000) Phase 1         AD1030       Location 13(UUble 7) Models (030) Campy)-Deg1 4000 Phase 1         AD1640       Location 13(UUble 7) Models (030) Campy)-Deg1 4000 Phase 1         AD1630       Location 13(Uuble 7) Models (030) Campy)-Deg1 4000 Phase 1         AD1640       Location 13(Uuble 7) Models (030) Campy)-Deg1 4000 Phase 1         AD1650       Location 13(Uuble 7) Models (030) Campy)-Deg1 4000 Phase 1         AD1660       Location 13(Uuble 7) Models (030) Campy)-Deg1 4000 Phase 1         AD1770       Location 14(Uuble 7) Models (030) Campy)-Deg1 4000 Phase 1         AD1770       Location 14(Uuble 7) Models (030) Campy)-Deg1 4000 Phase 1         AD1770       Location 14(Uuble 7) Models (030) Campy)-Deg1 4000 Phase 1         AD1770       Location 14(Uuble 7) Model 7) Deg1 4000 Phase 1         AD1770       Location 14(Uuble 7) Model 7         AD1770       Location 14(Uuble 7) Model 7         AD1780       Location 14(Uuble 7) Model	🔲 AD1610	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d) Phase 1							!!	· · · · · · · ·	1-1	4 - 4 - 4!- ! ! ! ! ! ! ! ! !	· -!- <b>X</b> !-		<u></u>		· _   L _ L _ L _ L			
AD1262 Location 13(Udub Physic Car Kiosis (001)-Deg1 (480) Phase 1 AD164 Location 13(Udub Physic Car Kiosis (002) Carceyy-Deg2 (550) Phase 1 AD165 Location 13(Udub Physic Car Kiosis (002) Carceyy-Deg2 (550) Phase 1 AD165 Location 13(Udub Physic Car Kiosis (002) Carceyy-Deg2 (550) Phase 1 AD165 Location 14(Uture-Outdellind Physic Car Kiosis (002) Carceyy-Deg2 (550) Phase 1 AD165 Location 13(Udub Physic Car Kiosis (002) Carceyy-Deg2 (550) Phase 1 AD175 Location 14(Uture-Outdellind Physic Car Kiosis (002) Carceyy-Deg2 (650) Phase 1 AD175 Location 14(Uture-Outdellind Physic Car Kiosis (002) Carceyy-Deg2 (650) Phase 1 AD175 Location 14(Uture-Outdellind Physic Car Kiosis (002) Carcey Deg2 (650) AD170 Location 14(Uture-Outdellind Physic Car Kiosis (002) Deg1 (700) AD1710 Location 14(Uture-Outdellind Physic Car Kiosis (002) Deg1 (700) AD173 Location 14(Uture-Outdellind Physic Car Kiosis (002) Deg1 (700) AD173 Location 14(Uture Outdellind Finite Car Kiosis (002) Deg1 (700) AD173 Location 14(Uture Outdellind Carge Eam Blig (003) and Del Carge Car AD173 Di (UUD 2) between inted Carge Eam Blig (003) and Del Carge Car AD173 Di (200) UUD 2) between inted Carge Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between inted Carge Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between inted Carge Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between inted Carge Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between inted Physic Car Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between inted Physic Car Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between Indel Physic Car Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between Indel Physic Car Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between Indel Physic Car Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between Indel Physic Car Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between Indel Physic Car Eam Blig (003) and Del Carge Car Blig (002) UUD 2) between Indel Physic Car Eam Blig (003) and Del Carge Car	🔲 AD1611	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d) Phase 2											- 1 <b>*</b> 1 _ 1		1 1 1	1 1 1 1			1 1 1	1 1
A D1930 Location 13(Outid Private Car Kosis (030) Caropy-Deg (4800) Phase 1 AD1940 Location 13(Outid Private Car Kosis (030) Caropy-Deg (2600) Phase 1 AD1960 Location 13(Outid Private Car Kosis (030) Caropy-Deg (2600) Phase 1 AD1960 Location 13(Outid Private Car Kosis (030) Caropy-Deg (2600) Phase 1 AD1960 Location 14(Future-Outidhthe Private Car Kosis)-Deg (800) AD1700 Location 14(Future-Outidhthe Private Car Kosis)-Deg (800) AD1710 Location 13(Outid Private Car Exam Bidg (024))-Deg (2) AD1730 Location 13(Outid Private Car Exam Bidg (024))-Dud (2) AD1730 Location 13(Outid Private Car Exam Bidg (024))-Dud (2) AD1730 Location 13(Outid Private Car Exam Bidg (024) and Outid Vehide Cier AD1800 (ty CO3) (UUD2 3) between Intel Private Car Exam Bidg (024) and Outid Vehide Cier AD1800 (ty CO3) (UUD2 3) between Intel Private Car Exam Bidg (024) and Outid Vehide Cier AD1800 (ty CO3) (UUD2 3) between Outid Car Exam Bidg (024) and Outid Vehide Cier AD1800 (ty CO3) (UUD2 4) between Outid Car Exam Bidg (024) and Outid Vehide Cier AD1800 (ty CO3) (UUD2 4) between Outid Car Exam Bidg (024) and Outid Vehide Cier AD1800 (ty CO3) (UUD2 4) between Outid Car Exam Bidg (024) and Outid Vehide	🔲 AD1620	Location 13(Outbd Private Car Kiosks (030))-Deg1 (480d) Phase 1											- i - i - i							
A0144 Location 13(Cubt Private Car Kosks) (200) Camopy-Deg (14800) Prase 1 A01560 Location 13(Public Private Car Kosks) Deg (1610) A01670 Location 14[Fubure-CubtoRind Private Car Kosks) Deg (1610) A01670 Location 14[Fubure-CubtoRind Private Car Kosks) Deg (1610) A01670 Location 14[Fubure-CubtoRind Private Car Kosks) Deg (1610) A01770 Location 14[Fubure-CubtoRind Private Car Kosks) Deg (1610) A01770 Location 14[Fubure-CubtoRind Private Car Kosks) Deg (1610) A01770 Location 14(CubtoR Triate Control Kosk (101)-Deg (4000) A01770 Location 14(CubtoR Triate Control Kosk (101)-Deg (4000) A01770 Location 14(CubtoR Triate Control Kosk (101)-Deg (4000) A01780 (by C03) Uluber 2) between Intel Carge Exam Big (204) Deg (700) A01780 (by C03) UluD 2) between Intel Carge Exam Big (204) Deg (700) A01780 (by C03) UluD 2) between Intel Carge Exam Big (204) Deg (700) A01780 (by C03) UluD 2) between Intel Carge Exam Big (204) and Hold Vehice Cear A01795 (by C03) UluD 2) between Intel Carge Exam Big (203) and Hold Vehice Cear A01780 (by C03) UluD 2) between Intel Carge Exam Big (203) and Hold Vehice Cear A01820 (by C03) UluD 2) between Intel Carge Exam Big (203) and Hold Vehice Cear A01820 (by C03) UluD 3) between Intel Private DC Exam Big (203) and Hold Vehice Cear A01820 (by C03) UluD 3) between Intel Private DC Exam Big (203) and Hold Vehice Cear A01820 (by C03) UluD 3) between Intel Private DC Exam Big (203) and Hold Vehice Cear A01820 (by C03) UluD 3) between Intel Private DC Exam Big (203) and Hold Vehice Cear A01820 (by C03) UluD 3) between Intel Private DC Exam Big (203) and Hold Vehice Cear A01820 (by C03) UluD 3) between Intel Private DC Exam Big (203) and Hold Vehice Cear A01820 (by C03) UluD 3) between Intel Private DC Exam Big (203) and Chidd Vehice Cear A01820 (by C03) UluD 3) between Intel Private DC Exam Big (203) and Chidd Vehice Cear A01820 (by C03) UluD 3) between Intel Private DC Exam Big (203) and Chidd Vehice Cear A01820 (by C03) UluD 3) between Clite Drivate DC Exam Big (204) and Didd	🔲 AD1630	Location 13(Outbd Private Car Kiosks (030))-Deg2 (550d) Phase 1											1 🏠 1			1 1 1 1				1 1
AD 1650 Location 13(Oubd Private Car Kooks) (200) Canopy-Dag2 (500) Praze 1 AD 1600 Location 14(Future-Outdified Private Car Kooks)-Dag1 (5100) AD 1700 Location 14(Future-Outdified Private Car Kooks)-Dag2 (5700) AD 1700 Location 18(Outd Private Car Kooks)-Dag2 (5700) AD 1700 (cy CO3) UUD 12) between Ind Cargo Exam Bidg (CO3) and DOP Cargo C AD 1500 (cy CO3) UUD 12) between Ind Cargo Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between Ind Cargo Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between Ind Private Car Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between Ind Private Car Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between Indiv Private Car Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between Indiv Private Car Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between Indiv Private Car Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between CUE to Cutted Clear Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between CUE to Cutted Clear Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between CUE to Cutted Clear Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between CUE to Cutted Clear Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between CUE to Cutted Clear Exam Bidg (CO3) and Indiv Whide Clear AD 1520 (cy CO3) UUD 2) between CUE to Cutte	🔲 AD1640												- i 👗 i		1 1 1	i i i i			1 1 1	- i - i
AD1690 Location 14/Fulure-Outbol/Inde Private Car Kosks)-Degr (600) AD1670 Location 16(Outbol Trafic Control Kosks (101)-Degr (4000) AD1710 Location 16(Outbol Trafic Control Kosks (101)-Degr (4000) AD1726 Location 16(Outbol Trafic Control Kosks (101)-Degr (4000) AD1726 Location 18(Outbol Trafic Control Kosks (101)-Degr (4000) AD1726 Up (C03) UUD2) between Ind Cargo Exam Bldg (001) AD1726 Up (C03) UUD2) between Ind Cargo Exam Bldg (001) and Indo Vehice Cear AD1728 Up (C03) UUD2) between Indo Cargo Exam Bldg (001) and Indo Vehice Cear AD1728 Up (C03) UUD2) between Indo Private Car Exam Bldg (003) and Indo Vehice Cear AD1728 Up (C03) UUD2) between Indo Private Car Exam Bldg (003) and Indo Vehice Cear AD1820 (bp (C03) UUD2) between Indo Private Car Exam Bldg (033) and Indo Vehice Cear AD1820 (bp (C03) UUD2) between Indo Private Car Exam Bldg (033) and Indo Vehice Cear AD1830 (bp (C03) UUD2) between Indo Private Car Exam Bldg (023) and Indo Vehice Cear AD1830 (bp (C03) UUD2) between Indo Private Car Exam Bldg (023) and Indo Vehice Cear AD1830 (bp (C03) UUD2) between Outd Care Exam Bldg (024) and Outdo PCA(032) AD1820 (bp (C03) UUD2) between Outd Care Exam Bldg (024) and Outdo PCA(032) AD1820 (bp (C03) UUD2) between Outd Care Exam Bldg (024) and Outdo PCA(032) AD1820 (bp (C03) UUD3) between Outd Care Exam Bldg (024) and Outdo PCA(032) AD1820 (bp (C03) UUD3) between Outd Care Exam Bldg (024) and Outdo PCA(032) AD1820 (bp (C03) UUD4) between Outd Care Exam Bldg (024) and Outdo PCA(032) AD1820 (bp (C03) UUD4) between Outd Care Exam Bldg (024) and Outdo PCA(032) AD1820 (bp (C03) UUD4) between Outd Care Exam Bldg (024) and Outdo PCA(032) AD1820 (bp (C03) UUD4) between Outd Car	🔲 AD1650				41				!!	· · · · · · · · ·		4 - 4 - 41 - 1 1 1 1 1 1 1 1 1 1	· -!- ¥!-		+	4!!!-				
AD 1670 Location 14 (Cubit Trafte Control Kloss (101))-Deg (480) AD 1700 Location 18 (Cubit Trafte Control Kloss (101))-Deg (480) AD 1710 Location 18 (Cubit Trafte Control Kloss (101))-Deg (480) AD 1740 Location 18 (Cubit Trafte Control Kloss (101))-Deg (480) AD 1740 Location 18 (Cubit Trafte Control Kloss (101))-Deg (480) AD 1740 Location 18 (Cubit Trafte Control Kloss (101))-Deg (480) AD 1740 Location 18 (Cubit Trafte Control Kloss (101))-Deg (480) AD 1740 Location 18 (Cubit Trafte Control Kloss (101))-Deg (480) AD 1740 (by C03) (UUD 1.) between fund Cargo Exam Bidg (281)-Deg (470) AD 1740 (by C03) (UUD 1.) between fund Cargo Exam Bidg (281) of Def Cargo AD 1760 (by C03) (UUD 2.) between fund Cargo Exam Bidg (281) of Def Cargo AD 1760 (by C03) (UUD 2.) between fund Cargo Exam Bidg (281) of Def Cargo AD 1760 (by C03) (UUD 2.) between fund Cargo Exam Bidg (281) of Def Cargo AD 1760 (by C03) (UUD 2.) between fund Cargo Exam Bidg (281) of Def Cargo AD 1800 (by C03) (UUD 9.1) bw Ind Cargo Exam Bidg (203) and Ind Vehicle Clear AD 1800 (by C03) (UUD 9.1) bw Ind Cargo Exam Bidg (203) and Ind Vehicle Clear AD 1800 (by C03) (UUD 9.1) bw Ind Cargo Exam Bidg (283) and Ind Vehicle Clear AD 1800 (by C03) (UUD 9.1) between Cubit Of AC Exam Bidg (282) and Cubit Of Cargo Exam Bidg (282) a	AD1660	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg1 (610d)											_i_ <b>A</b> Y_!		1.1.1	1 1 1 1			1 I I I	
AD1701 Location 18(Outh Traffs Control Klosk (101))- Deg1 (4000) AD1710 Location 18(Outh Traffs Control Klosk (101))- Deg2 (4800) AD1740 Location 18(Outh Traffs Control Klosk (101))- Deg2 (4800) AD1750 Location 18(Outh Traffs Control Klosk (101))- Deg2 (4800) AD1750 Location 18(Outh Traffs Control Klosk (101))- Deg2 (4800) AD1780 (by C03) (UUD1) between Intel Grage Exam Bidg (021)- Deg2 (4700) AD1780 (by C03) (UUD1) between Intel Grage Exam Bidg (021)- Deg2 (4700) AD1780 (by C03) (UUD1) between Intel Grage Exam Bidg (021)- Deg2 (4700) AD1780 (by C03) (UUD1) between Intel Grage Exam Bidg (021) and DHC Grage C AD1800 (by C03) (UUD2) between Intel Grage Exam Bidg (021) and DHC Heiles CB- AD1800 (by C03) (UUD2) between Intel Grage Exam Bidg (023) and Intel Vehicle CB- AD1820 (by C03) (UUD2) between Intel Grage Exam Bidg (023) and Intel Vehicle CB- AD1820 (by C03) (UUD2) between Intel Private Car Exam Bidg (023) and Intel Vehicle CB- AD1820 (by C03) (UUD2) between Intel Private Car Exam Bidg (023) and Intel Vehicle CB- AD1820 (by C03) (UUD2) between Intel Private Car Exam Bidg (023) and Intel Vehicle CB- AD1820 (by C03) (UUD2) between Intel Private Car Exam Bidg (023) and Intel Vehicle CB- AD1820 (by C03) (UUD2) between Intel Private Car Exam Bidg (023) and Intel Vehicle CB- AD1820 (by C03) (UUD2) between Outbel Car Exam Bidg (023) and Intel Vehicle CB- AD1820 (by C03) (UUD3) between CUE and Outbel Private Car Exam Bidg (024) and AD1740 (by C03) (UUD3) between CUE and Outbel Private Car Exam Bidg (024) and AD1740 (by C03) (UUD3) between CUE and Outbel Private Car Exam Bidg (024) and AD1740 (by C03) (UUD3) between CUE and Outbel Private Car Exam Bidg (024) and AD1740 (by C03) (UUD3) between CUE and Outbel Private Car Exam Bidg (024) and AD1740 (by C03) (UUD3) between CUE and Outbel Private Car Exam Bidg (024) and AD1740 (by C03) (UUD3) between CUE and Outbel Private Car Exam Bidg (024) and AD1740 (by C03) (UUD3) between CUE and Outbel Private Car Exam Bidg (024) and AD1740 (by C03) (UUD3) be	🔲 AD1670	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg2 (680d)											i <b>*</b> i∎i							1 1
AD1710 Location 16(Outid Traffic Control Koak (101)-Deg2 (480d) AD1740 Location 16(Outid Traffic Control Koak (101)-Deg2 (480d) AD1740 Location 16(Outid Traffic Control Koak (101)-Deg2 (480d) AD1740 (by C03) Underground Ducting (UUD1) to between CUE and Ind Cargo Exam Bidg (02) AD1780 (by C03) Underground Ducting (UUD1) to between Ind Cargo Exam Bidg (02) and DOH Cargo C AD1780 (by C03) (UUD1) to between Ind Cargo Exam Bidg (033) and Ind Vehide Clear AD1780 (by C03) (UUD2) between Ind Cargo Exam Bidg (033) and Ind Vehide Clear AD1780 (by C03) (UUD2) between Ind Cargo Exam Bidg (033) and Ind Vehide Clear AD1800 (by C03) (UUD2) between Ind Private Car Exam Bidg (033) and Ind Vehide Clear AD1800 (by C03) (UUD3) between Ind Private Car Exam Bidg (033) and Ind Vehide Clear AD1800 (by C03) (UUD3) between Ind Private Car Exam Bidg (033) and Ind Vehide Clear AD1800 (by C03) (UUD3) between Ind Private Car Exam Bidg (033) and Ind Vehide Clear AD1800 (by C03) (UUD3) between Und Private Car Exam Bidg (023) and Ontd Vehide Clear AD1800 (by C03) (UUD3) between Und Private Car Exam Bidg (023) and Ontd Vehide Clear AD1800 (by C03) (UUD3) between Outd Drivate Car Exam Bidg (024) and Ontd Vehide Clear AD1800 (by C03) (UUD3) between Outd Private Car Exam Bidg (024) and Outd Vehide Clear AD1800 (by C03) (UUD4) between Outd Drivate Car Exam Bidg (024) and Outd Vehide Clear AD1800 (by C03) (UUD5) between CUE and Outd PCA(032) AD1910 (by C03) (UUD5) between CUE and Outd PCA(032) AD1910 (by C03) (UUD5) between CUE and Outd PCA(032) AD1910 (by C03) (UUD4) between CUE and Outd PCA(032) AD1910 (by C03) (UUD5) between CUE and Outd PCA(032) AD1910 (by C03) (UUD4) between CUE and Outd PCA(032) AD1910	AD1700	Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d)																		
AD1740 Location 18(Qubd Private Car Exam Bidg(024))-Deg1 (-) AD1750 Location 18(Qubd Private Car Exam Bidg(024))-Deg2 (6701) AD1780 (by C03) (UUD 2) between Inbd Cargo Exam Bidg (027)) AD1780 (by C03) (UUD 2) between Inbd Cargo Exam Bidg South (037)(S) and DOH Cargo C AD1800 (by C03) (UUD 2) between Inbd Cargo Exam Bidg South (037)(S) and DOH Cargo C AD1800 (by C03) (UUD 2) between Inbd Cargo Exam Bidg (033) and Inbd Vehide Clear AD1820 (by C03) (UUD 2) between Inbd Cargo Exam Bidg (033) and Inbd Vehide Clear AD1820 (by C03) (UUD 2) between Inbd Private Car Exam Bidg (033) and Inbd Vehide Clear AD1820 (by C03) (UUD 2) between Inbd Private Car Exam Bidg (033) and Inbd Vehide Clear AD1830 (by C03) (UUD 2) between Inbd Private Car Exam Bidg (033) and Inbd Vehide Clear AD1840 (by C03) (UUD 2) between Inbd Private Car Exam Bidg (023) and Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Inbd Private Car Exam Bidg (023) and Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Nubd Cargo Exam Bidg (023) and Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Outbd Car Exam Bidg (023) and Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Outbd Car Exam Bidg (023) and Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Outbd Car Exam Bidg (023) and Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Outbd Car Exam Bidg (023) and Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Outbd Car Exam Bidg (024) and Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Outbd Car Exam Bidg (024) and Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Cle I od Outbd Vehide Clear AD1840 (by C03) (UUD 2) between Bizz terfaces Provisions biobilization Provisons K4A Stet Erection & Servicing Hong Kong-Zhuhai-Macco Bridge Hong Kong-Zhuhai-Macco Bridge Hong Kong-Zhuhai-Macco Bridge Hong Kong-Zhuhai-Macco Bridge	AD1710	Location 16(Outbd Traffic Control Kiosk (101))-Deg2 (480d)											Ť i i	<b>▲</b>		1 1 1 1			1 1 1	
AD1750 Location 18(Outbd Private Car Exam Bidg(024))-Deg2 (670d) AD1780 (by C03) (UDD12) between Indta Cargo Exam Bidg (03 AD1780 (by C03) (UUD2)) between Indta Cargo Exam Bidg (03 AD1800 (by C03) (UUD2)) between Indta Cargo Exam Bidg (03 AD1800 (by C03) (UUD2)) between Indta Cargo Exam Bidg (03) A AD1820 (by C03) (UUD2)) between Indta Cargo Exam Bidg (033) AI AD1820 (by C03) (UUD2)) between Indta Cargo Exam Bidg (033) AI AD1820 (by C03) (UUD2)) between Indta Cargo Exam Bidg (033) and Indb Vehide Clear AD1830 (by C03) (UUD2)) between Indta Private Car Exam Bidg (033) and Indb Vehide Clear AD1830 (by C03) (UUD2) between Indta Private Car Exam Bidg (033) and Indb Vehide Clear AD1840 (by C03) (UUD2) 1b twinef Curba Exam Bidg (033) and Outhd Vehide Clear AD1850 (by C03) (UUD2) 1b tween CUE to Outbd Cargo Exam Bidg (03) and Outhd Vehide Clear AD1860 (by C03) (UUD2) 1b tween CUE to Outbd Cargo Exam Bidg (03) and Outhd Vehide Clear AD1860 (by C03) (UUD3) 1b tween CUE and Outbd Vehide Clear AD1860 (by C03) (UUD3) 1b tween CUE and Outbd Vehide Clear AD1860 (by C03) (UUD4) 1b tween CUE and Outbd Vehide Clear AD1860 (by C03) (UUD4) 1b tween CUE and Outbd Vehide Clear AD1860 (by C03) (UUD5) between CUE and Outbd Vehide Clear AD1860 (by C03) (UUD6) between CUE and Outbd Vehide Clear AD1860 (by C03) (UUD6) between CUE and Outbd Vehide Clear AD1860 (by C03) (UUD6) between CUE and Outbd Vehide Clear AD1860 (by C03) (UUD6) between CUE and Outbd PCA(032) AD1870 (by C03) (UUD6) between CUE and Outbd PCA(032) AD1860 (by C03) (UUD6) between CUE and Cueb PCA(032) AD1860 (by C03) (UUD6) between CUE and Cueb PCA(032) AD1860 (by C03)	AD1740				1-1-1				!!	ь-ь-ь- , , , , ,			· -!!!-	VL - L - I - I	* - *!		L _ L _ L _ L		!!!-	a la a la a
AD1780 (by C03) Underground Ducting (UUD 1.1) between CUE and Inbd Cargo Exam Bidg 00H Cargo C AD1800 (by C03) (UUD 2) between Inbd Cargo Exam Bidg South (037(S)) and DDH Cargo C AD1800 (by C03) (UUD 2) between Inbd Cargo Exam Bidg South (037(S)) and DDH Cargo C AD1800 (by C03) (UUD 2) between Inbd Cargo Exam Bidg South (037(S)) and DDH Cargo C AD1800 (by C03) (UUD 2) between Inbd Cargo Exam Bidg South (037(S)) and DDH Cargo C AD1800 (by C03) (UUD 2) between Inbd Cargo Exam Bidg South (033(S) and Inbd Vehicle Clear AD1820 (by C03) (UUD 3) between Inbd Private Car Exam Bidg (033) and Inbd Vehicle Clear AD1840 (by C03) (UUD 3.1) between CUE to Outh Cargo Exam Bidg (024) and Outbd Vehicle Clear AD1840 (by C03) (UUD 3.2) between CUE to Outh Cargo Exam Bidg (024) and Outbd Vehicle Clear AD1850 (by C03) (UUD 3.2) between CUE to Outh Cargo Exam Bidg (024) and Outbd Vehicle Clear AD1860 (by C03) (UUD 3.2) between CUE and Outbd Vehicle Clear AD1880 (by C03) (UUD 3.2) between CUE and Outbd Vehicle Clear AD1880 (by C03) (UUD 4) between CUE and Outbd Vehicle Clear AD1880 (by C03) (UUD 5) between CUE and Outbd Vehicle Clear AD1880 (by C03) (UUD 5) between CUE and Outbd Vehicle Clear AD1880 (by C03) (UUD 5) between CUE and Outbd Vehicle Clear AD1880 (by C03) (UUD 5) between CUE and Outbd Vehicle Clear AD1880 (by C03) Outbound Vehicle Clearance Plaza AD1880 (by C03) Outbound Vehicle Clearance Plaza AD1880 (by C03) Outbound Vehicle Clearance Plaza AD1890 (by C03) Outbound Vehicle Clearance Plaza VA4 Site Erection & Servicing WA4 Site Erection & Servicing Hong Kong-Zhuhai-Macao Bridge Hong Kong-Zhuhai-Macao Bridge Hong Kong-Zhuhai-Macao Bridge	AD1750												- X -		1 1 1	1 1 1 1			1 1 1	1.1
AD1790 (by C03) (UUD 12) between Inbd Cargo Exam Bidg South (037[S]) and DOH Cargo C AD1800 (by C03) (UUD 2) between Inbd Cargo Exam Bidg North (037[N]) and Inbd Vehide Clear AD1810 (by C03) (UUD 3) between Inbd Private Car Exam Bidg (033) and Inbd Vehide Clear AD1820 (by C03) (UUD 3.) between Inbd Private Car Exam Bidg (033) and Inbd Vehide Clear AD1840 (by C03) (UUD 3.) between Inbd Private Car Exam Bidg (033) and Inbd Vehide Clear AD1840 (by C03) (UUD 3.) between Inbd Private Car Exam Bidg (033) and Inbd Vehide Clear AD1840 (by C03) (UUD 3.) between CUE to Outbd Cargo Exam Bidg (033) and Inbd Vehide Clear AD1840 (by C03) (UUD 3.2) between CUE to Outbd Cargo Exam Bidg (024) and Outbd PC Exam Bidg (024) and Outbd Vehide Clear AD1860 (by C03) (UUD 3.2) between Outbd PC Exam Bidg (024) and Outbd Vehide Clear AD1870 (by C03) (UUD 3.2) between Outbd PC Exam Bidg (024) and Outbd Vehide Clear AD1870 (by C03) (UUD 3.1) between Outbd PC Exam Bidg (024) and Outbd Vehide Clear AD1870 (by C03) (UUD 3.1) between Outbd PC A(032) AD1910 (by C03) Inbound Vehide Clearance Plaza therfaces Provisions VA4 Site Erection & Servicing WA4 Site Erection & Servicing WA4 Site Erection & Servicing WA4 Site Erection & Servicing WA4 Site Erection & Servicing Wat Site Free Site Site Site Site Site Site Site Si	AD1780		Bldg (0										1 Y 1							
AD1800       (by C03) (UUD2) between Inbd Cargo Exam Bidg North (037[N]) and Inbd Vehicle Cier         AD1810       (by C03) (UUD2) 1) bitwind Cargo Exam Bidg North (037[N]) and Inbd Vehicle Cier         AD1810       (by C03) (UUD2.1) bitwind Cargo Exam Bidg North (037[N]) and Inbd Vehicle Cier         AD1820       (by C03) (UUD2.2) between Inbd Private Car Exam Bidg (033) and Inbd Vehicle Cier         AD1830       (by C03) (UUD2.2) between Inbd Private Car Exam Bidg (023) and Inbd Vehicle Cier         AD1840       (by C03) (UUD2.2) between CuE to Outbd Cargo Exam Bidg (024) an         AD1850       (by C03) (UUD3.2) bitw Outbd Car Exam Bidg (024) and Outbd Vehicle Cier         AD1860       (by C03) (UUD3.2) bitween Outbd Private Car Exam Bidg North (035[S) and Outbd Vehicle Cier         AD1870       (by C03) (UUD3.2) bitween Outbd Car Exam Bidg North (035[S) and Outbd Vehicle Cier         AD1870       (by C03) (UUD3) between Outbd Car Exam Bidg North (023[S) and Outbd Vehicle Cier         AD1870       (by C03) Inbound Vehicle Cierance Piaza         AD1920       (by C03) Inbound Vehicle Cierance Piaza         No1920       (by C03) Outbound Vehicle Cierance Piaza         No1920       (by C03) Inbound Vehicle Cierance Piaza <tr< td=""><td>aD1790</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Y CT</td><td>1 1 1</td><td>1 1 1</td><td></td><td>1 1 1 1</td><td></td><td>1 I I I</td><td></td></tr<>	aD1790												Y CT	1 1 1	1 1 1		1 1 1 1		1 I I I	
AD 1810 (by C03) (UUD9.1) bw Inbd Cargo Exam Bldg (0.33) al Inbd Ve Exam Bldg (0.33) al Inbd Vehide Clear: AD 1820 (by C03) (UUD9.2) between Inbd Private Car Exam Bldg (0.33) and Inbd Vehide Clear: AD 1830 (by C03) (UUD9.2) between Inbd Private Car Exam Bldg (0.33) and Inbd Vehide Clear: AD 1840 (by C03) (UUD9.2) between Inbd Private Car Exam Bldg (0.24) and AD 1860 (by C03) (UUD9.2) between OLtb OLtbd Cargo Exam Bldg (0.24) and AD 1860 (by C03) (UUD9.2) between OLtb OLtbd Cargo Exam Bldg (0.24) and AD 1860 (by C03) (UUD9.2) between OLtb OLtbd Cargo Exam Bldg (0.24) and AD 1860 (by C03) (UUD9.2) between OLtbd OLtbd Cargo Exam Bldg (0.24) and AD 1860 (by C03) (UUD9.2) between OLtbd OLtbd Cargo Exam Bldg (0.24) and AD 1860 (by C03) (UUD4.1) between OLtbd OLtbd Cargo Exam Bldg (0.24) and AD 1860 (by C03) (UUD4.1) between OLtbd OLtbd Cargo Exam Bldg (0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg (0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg (0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD4.1) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD4.1) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD4.1) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD4.1) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car Exam Bldg 0.24) and AD 1860 (by C03) UUD5) between OLtbd Car	AD1800												Xïi	1 1 1 1	i i i	i i i i			- i - i - i -	- i - i -
AD 1820       (by C03) (UUD9.3) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Cleara         AD 1830       (by C03) (UUD9.2) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Cleara         AD 1840       (by C03) (UUD9.2) between Inbd Private Car Exam Bldg (023) and Unbd Vehicle Cleara         AD 1850       (by C03) (UUD9.2) between Cubt Oracing Cubt Oard Dacting (UUD3.1) between Cubt Oard Dacting (UUD3.2) bit Outhod Care Exam Bldg (024) and Outbd Vehicle Clear         AD 1860       (by C03) (UUD5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Cleara         AD 1870       (by C03) (UUD5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clearance         AD 1870       (by C03) (UUD5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clearance         AD 1870       (by C03) (UDD8) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clearance         AD 1870       (by C03) Underground Ducting (UUD8) between Outbd CAR Exam Bldg (024) and Outbd Vehicle Clearance         AD 1870       (by C03) Underground Ducting (UUD8) between Cut and Outbd PCA (032)         AD 1970       (by C03) Outbound Vehicle Clearance Plaza         AD 1920       (by C03) Outbound Vehicle Clearance Plaza         Not Erfaces Provisions       12 - Auje 17, Interfaces Provisions         Iobilization Provisons       22 - 0ci 17, Meblization Provisons         VA4 Site Erection & Servicing       Actual Level of Effort         War 16       Ero wora    <	AD1810										i-i		¥		+ - +!- <b>^</b> .				!!!-	
AD 1830 (by C03) (UUD9.2) between lnbd Private Car Exam Bldg (033) and lnbd Vehicle Clear. AD 1840 (by C03) Underground Ducting (UUD3.1) between CUE to Outbd Cargo Exam Bldg (024) and Outbd PC Exam Bldg (024) and Outbd PC Exam Bldg (024) and Outbd PC Exam Bldg (024) and Outbd Vehicle Clear. AD 1860 (by C03) (UUD3.2) bitw Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) (UUD3.5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) (UUD5.5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) (UUD5.5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) (UUD5.5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) (UUD5.5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) (UUD5.5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) (UUD5.5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) (UUD5.5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) (UUD5.5) between Outbd Car Exam Bldg (024) and Outbd Vehicle Clear. AD 1870 (by C03) Outbound Vehicle Clear. AD 1870 (by C03) Outbound Vehicle Clear. AD 1870 (by C03) Outbound Vehicle Clear. AD 1920 (by C	AD1820												Yìĩ			1 1 1 1			- 1 - T	1.1
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10-Mai-17 Rev. 1.0a WC	ata Date: 14-Aug-15		Hong Kong Boundary Crossing														VC		LC	
Actual Work Facilities - Automatic Vehicle 5-May-17 Rev.: 1.0b WC			Facilities - Automatic Vehicle																LC	
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Installation	- Phase 1 / Section I							-		01-Se	p-17, I	Installa	ation + P	Phase 1	/ Sect	ion l
Location 1(P	PCB (001) Basement)							•	22	Jun+17,	Locati	ion 1(F	PCB (00	1) Bas	ement)	
	L1(001)B/F - Cable Laying and termination at Location 1 and Location 2								L1((	001)B/F	- Cab	ole Lay	ing and	termin	ation a	t Loca
	PCB (001) ELV Room (Grid Line E3))			 	 			ل_ل	i i i i i		الفانات فا	بالمانيان	PCB (00	1-1-1-1	السالسا السال	المتأم بالما
	L1(001)ELV Rm - Cable Laying and termination at Location 1 and Location 2								L1((	001)EL	VRm -	Cable	e Laying PCB (00	and te	rminati	on at l
	PCB (001) Ground Floor ELV Room (Grid Line E3))							: : L		1 1 1	1 1 1	1 1 1		: : : :		
	L2(001)ELV Rm - Cable Laying and termination at Location 1 and Location 2 CB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5))								L2(0	18-Auc	V Rm - 17. L	- Cable	e Laying n 2(PCB	and te 3 (001)	rminati Groun	on at l d Floc
	L2(001)Heath Ctrl Rm - Cable Laying and termination at Location 1 and Location 2							: : :	1 1 1			1 1 1	- Cable I			
EM1100	L2(001)Heath Ctrl Rm - Cable Splicing and Testing and Labeling			 							영국 영국 영국	(1) = (1) = (1)	- Cable			
	L2(001)Health Ctrl Rm - Intercom and PA system Installation								1 <u> </u>	· · · · ·			Rm - Inte			
	L2(001)Heath Ctrl Rm - Intercom and PA system tuning												Rm - Inte			
Location 2(P	CB (001) First Floor Main Server Room)							•		21-Aug	g-17, L	ocatio	n 2(PCE	3 (001)	First F	loor N
🔲 EM1000	L2(001)Main Server Rm - Cable Laying and termination at Location 1 and Location 2							🗖	L2(0	001)Ma	iin Şerv	ver Rn	n - Cable	e Layin	g and t	termin
🔲 EM1020	L2(001)Main Server Rm - Cable Splicing and Testing and Labeling												lm - Cat			
EM1040	L2(001)Main Server Rm - AVCSS Network and Server Installation												Rm - A			
	L2(001)Main Server Rm - AVCSS Network and Server Tuning								: : <b>•</b> :	L2(001	I)Main	Serve	r Rm - A	AVC\$S	Netwo	irk and
	nbd Cargo Exam Bidg (037) MDF Room) nbd Cargo Exam Bidg (037) ELV Room)															
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EM2020	L3(037)Inspec Offices - Cable Laying and termination in Location 3 and Location 3a							: : :_			1 1 1	1 1 1	Cable L			
EM2040	L3(037)Inspec Offices - Cable Splicing and Testing and Labeling												- Cable			
EM2060	L3(037)Inspec Offices - AVCSS SURCON WS and 55" LCD Installation										1.1.1		s - AVCS		- 1 1 1	
🔲 EM2080	L3(037)Inspec Offices - VTS WS Installation							 	ĒĹ	3(037)	Inspec	Office	s - VTS	WS In	stallatio	n
💼 EM2100	L3(037)Inspec Offices - SURCON and WS Tuning								<b>0</b> 1	L3(037	Inspec	Office	es - SUR	RCON	and W	S Tuni
	nbd Cargo Exam Bidg (037) Platform Control Room)										1 1 1	1.1.1	13(Inbd	1111	111	
EM1160	L3(037)PLF Ctrl Rm - Cable Laying and termination in Location 3 and Location 3a								<u> </u>				Cable La			
EM1180	L3(037)PLF Ctrl Rm - Cable Splicing and Testing and Labeling L3(037)PLF Ctrl Rm - AVCSS SYSCON WS and 55" TV Wall Installation										1 1 1		Cable S			
	L3(037)PLF Ctrl Rm - AVCSS SYSCON WS and 55 TV Wall Installation L3(037)PLF Ctrl Rm - AVCSS SYSCON WS Tuning				 						2 - 2 - 2 -		- AVCS			
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Programme No.: HZMI		Hong Kong-Zhuhai-Macao Bridge					14	1-Nov-1		Rev.:			VC	.cu	LC	71 UVEU
Data Date: 14-Aug-15	Primary Baseline Actual Work	Hong Kong Boundary Crossing						)-Mar-		Rev.:	1.0a	V	VC		LC	
	Remaining Work	Facilities - Automatic Vehicle					5-	May-1	7	Rev.:	1.0b	V	VC		LC	
	Critical Remaining Work	Clearance Support System (AVCSS)														
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	<ul><li>♦ Milestone</li></ul>															
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EM1260																		i i ì				1 1	1.1.1			g and
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	Ba(Inbd Cargo Exam Bldg (037) Main Server Room)												ł			<u>.</u>										Exam
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EM2200																		3a(03	37)N	lain t	Serv	ver F	Rm -	Serve	ers II	Tuning
	I(Outbd Cargo Exam Bldg (023) MDF Room)				-		÷	4-4-										4-411	n-17		ratio	in 4 s	alOut	hd C	anno	Exan
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EM2280																	1.1	1 1 1	1	1 1 1		1.1.	1.1			tallatio
EM2300																1 1										nd SU
	6(Common Utility Enclosure & Staff Subway)																1.1	1 1 1		111		11		1 1 1		ility Er
🔲 EM2341	L5(CUE) - Cable Laying between Location 5 and Location 6								11							· ·	1 1 1									ion 5 a
EM2361	L5(CUE) - Cable Laying between Location 5 and Location 7															<del> </del> -	1 1	1 1 1	i í							cation
🔲 EM2380	L5(CUE) - Cable Splicing and Testing and Labeling																¦L	L5(C	ΰE	) - Cŧ	able	Spli	li¢ing a	and †	estin	ng and
Location 6	6(Common Utility Enclosure & Staff Subway)													4 - 4 - 4		-11-		26-A'ı	ug-1	7, L¢	bcati	ion 6	6(Cor	hmor	1 Utili	lity En
EM2400	L6(CUE) - Cable Laying between Location 5 and Location 6																L6(	CUE)	- C	able	Layi	ing t	betwe	eņ L	oċatio	ion 5 a
EM2420	L6(CUE) - Cable Splicing and Testing and Labeling															🗖		L6(C	UE)	- Ca	ble	Splic	icinģ a	ind T	esting	ig and
Location 7	(Common Utility Enclosure & Staff Subway)																	01-S	ep-	17. Lr	ocat	tion	7(Co	mmo	n Util	ility Er
🔲 EM2440	L7(CUE) - Cable Laying between Location 5 and Location 7															i 🏼	∎ ¦∟	7(ĊŲ	JE) ·	Cab	ie L	ayin	ng bet	weer	۱Ļoc	cation
🔲 EM2460	L7(CUE) - Cable Splicing and Testing and Labeling																	L7(Ċ	UE	) - Cć	able	Spli	licing a	and T	estin	ng and
Location 1	2(Inbd Private Car Kiosks,GV Kiosks (027,028,029))															<b>—</b>	i i			i i i	i i	i i		i i i	i i i	e Car
Inbd Priv	vate Car Kiosks(027) - 9 nos (Phase 1)																	24-AL	Jg-1	7, In	bd F	Priva	ate Ca	ar Ki¢	sks((	027) -
🔲 💼 EM150	00 L12(027)(9nos P1) - Cable Splicing and Testing and Labeling															; <b>F</b>	ļ Ļ1	2(02	7)(9	nos F	P1) ·	- Ca	able S	plicin	gan	d Tes
🔲 🔲 EM152	20 L12(027)(9nos P1) - AVCSS/MOM Kiosk Equipment Installation (9 nos)																L12	(027)	)(9'n	os P	1) - /	ÁVC	C\$S/N	IOM	Kiosk	k Equi
🔲 🔲 EM154	41 L12(027)(9nos P1) - XDB installation (18 nos)							÷÷								0	L12	(027	;)(ˈ9r	ios P	1) -	XÞI	B inst	allatio	on (1	18 nos
🔲 🚍 EM154	42 L12(027)(9nos P1) - ODB installation (5 nos)				6 T T T											0	L12	(027)	)(9n	os P*	1) - (	ÓDE	B inst	allatic	n (5	nos)
🔲 🔲 EM154	43 L12(027)(9nos P1) - ODB installation (2 nos)																L12	(027	()(9r	ios P	1) -	OD	) B inst	allati	on (2	2 nos)
🔲 EM154	44 L12(027)(9nos P1) - ODB installation (2 nos)																	1 1 1								2 nos)
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Inbd Go	ods Vehicle Kiosks(028) - 5 nos (Phase 1)												ł			<u> </u>	-	30-À	uģ-	17, In	bd (	Ġoo	ods Ve	hicle	Kiosl	sks(02
	20 L12(028)(5nos P1) - Cable Laying and termination				la ala ala : I I I I I I I I I I I I				!!						<u>ן</u>		Ļ12(	)28)	5nc	\$ P1	) - C	able	le Lav	ing a	nd te	ermina
🔲 🔲 EM164	40 L12(028)(5nos P1) - Cable Splicing and Testing and Labeling																1 1	1 1 1		1 1 1		1 1	1 1	1 1 1		Testi
	60 L12(028)(5nos P1) - AVCSS/MOM Kiosk Equipment Installation (5 nos)															: <u> </u>	1 1	5 1 5		1 1 1		1 1				k Equi
	81 L12(028)(5nos P1) - XDB installation (10 nos)															· •		í i í	i i i .		1.1		1 1			0 nos
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Programme No.: HZMB-DWP Data Date: 14-Aug-15	Actual Level of Effort summary Primary Baseline Actual Work Remaining Work Critical Remaining Work Baseline Milestone Milestone	Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)	-	14-No 10-M 5-Ma
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Date	Revision	Checked	Approved
Nov-16	Rev.: 0	WC	LC
Mar-17	Rev.: 1.0a	WC	LC
lay-17	Rev.: 1.0b	WC	LC

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DMS20       L0300(96:97)       Calc Logitument In Oaks         DMS20       L0300(96:97)       Calc Logitument In Oaks       L0300(96:97)         DMS20       L0300(96:97)       Calc Logitument In Oaks       L0300(96:97)         DMS20       L0300(96:97)       Calc Logitument In Oaks       L0300(96:97)         L0300(96:97)       Calc Logitument In Oaks       L0300(96:97)       Calc Logitument In Oaks         L0300(96:97)       Calc Logitument In Oaks       L030(96:97)       Calc Logitument In Oaks       L030(96:97)         L0300(96:97)       Calc Logitument In Oaks       L030(96:97)       Calc Logitument In Oaks       L030(96:97)         L0300(96:97)       Calc Logitument In Oaks       L030(96:97)       Calc Logitument In Oaks       L030(96:97)         L0300(96:97)       Calc Logitument In Oaks       L030(96:97)       Calc Logitument In Oaks       L030(96:97)																
EXCSP     LinxQuitino PT     - Calk Long     de LinxQuitino PT     - Calk Long     de LinxQuitino     PLATS     LinxQ																
ED250 L1000(0)com P) - Cabe Subject P) - Cab																
EXC200     EXC200 (Trice PT)     -AVCESSAVAX Road Equipment Instability (P roa)     EXC200     Exceeded PT-AVCESSAVAX Road Equipment Instability (P roa)     EXC200     EXC								+			<u></u> -					
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Expendion Higher Carr Klock (1980)     Expension Hig															1 2 1 1 1	<pre>/ &lt; </pre>
EVAL40 [1-4: Cable Larging and services on CUE     Locates House (Hall)     Evaluation												L13(030)(9	nds P1) + OD	B installat	ion (7 no	s) : :
status       Schult Table Control Status       Schult Table Co								+		+-+-+-+					de de de d	
Exception 15(Outburn Tree Control Kicks (181)     Exception 15(Outburn Tree Kicks (18											<b>□</b> L1	1 - Cable La	ying and term	ination at	ELV Ro	om in C
EM2780 119(103): Cable Laying and testing and Laying and Layin		· · · · · · · · · · · · · · · · · · ·										20- <u>Aura</u> -17	Location 16(	Outbd Tr	affic Con	tról Kiós
EN2200 LIG1(10)-cabe Spring and Texting and Labeling EN2200 LIG1(10)-VTS WS and SPICOL Installation EN2200 LIG1(20)-Cabe Lig1						11										
EM200 L19(10) - WCSS SYSC(M are SURCOL Institution Exception 19 Oktob Privates Car Exam Bidg(23) Operational Office) Exception 19 Oktob Privates Car Exam Bidg(23) Operational Office) Exception 19 Oktob Privates Car Exam Bidg(23) Operational Office) Exception 19 Oktob Privates Car Exam Bidg(23) Operational Office) Exception 19 Oktob Privates Car Exam Bidg(23) Operational Office) Exception 19 Oktob Privates Car Exam Bidg(23) Operational Office) Exception 19 Oktob Privates Car Exam Bidg(23) Exception 20 Oktob Privates Car Exam Bidg(23) Extension																
EM220 L19(10) - VTS W3 and 50° LCD Installation     Location 17 (Dtd Physics Car Exam Bidg(024) Operational Office)     Location 17 (Dtd Physics Car Exam Bidg(024) Operational Office)     Location 18 (Outdo Physics Car Exam Bidg(024) Operational Office)     EM240 L18(024) - Cable Spring and termination     EM240 L18(024) - AVCSS SURCON and 57° LCD Installation     L19(024) - AVCSS SURCON Turing     EM330 L19(024) - Cable Spring and termination     EM330 L19(024) - Cable Spring and termi	<b>EN 10000</b>															
Big. Location 12 (Dubbd Private Car: Exam Bidg(023) Operational Office)         E. M2840       Ling(024) - Cable Laying and termination         E. M3000       Hold(M10)         E. M3000       Hold(M21)         E. M3000       Hold(M21)         E. M3000       Hold(M10)         E. M3000       Hold(M10)         E. M3000       Hold(M21)         E. M3000       Hold(M10)         E. M																
Euclastics 16 (Dubber Private Care Exam Bigg(24) Operational Office) EM280 [18(024) - Cable Laying and termination EM280 [18(024) - Cable Splicing and Testing and Labeling EM280 [18(024) - AVCSS SURCON and 65' LOD Installation EM280 [18(024) - AVCSS SURCON and 65' LOD Installation EM280 [18(024) - Cable Splicing and Testing and Labeling EM280 [18(024) - AVCSS SURCON and 65' LOD Installation EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [19(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling EM380 [10(024) - Cable Splicing and Testing and Labeling <p< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L16(101);-</td><td>VISWSand</td><td>55" LCD</td><td>Installati</td><td>on</td></p<>												L16(101);-	VISWSand	55" LCD	Installati	on
Excesses 1:18(024) - Cable Laying and termination Excesses 1:18(024) - Cable Laying and terminati											<b>V</b> 07	-Jul⊦17 Ioc	ation: 18 (Out)	d Private	Cat Exa	m Bilda(
<ul> <li>EM2690 L18(024) - Cable Splining and Taeling and Labeling</li> <li>EM2690 L18(024) - AVCSS SURCON and S5' LCD Installation</li> <li>EM2690 L18(024) - AVCSS SURCON and S5' LCD Installation</li> <li>EM2690 L18(024) - AVCSS SURCON and S5' LCD Installation</li> <li>EM3600 L18(024) - Cable Splining and Testing and Labeling</li> <li>EM3600 L18(024) - Cable Laying and termination</li> <li>EM3600 L19(024) - Cable Splining and Testing and Labeling</li> <li>EM3600 L19(024) - Cable Laying and termination</li> <li>EM3600 L19(024) - Cable Laying and termination</li> <li>EM3600 L19(024) - Cable Splining and Testing and Labeling</li> <li>EM3600 L19(024) - Cable Splining and Testing and Labeling</li> <li>EM3600 L19(024) - Cable Splining and Testing and Labeling</li> <li>EM3600 Inbound VID cable figurent</li> <li>EM3600 Inbound VID cable figurent</li> <li>EM3600 Inbound VID cable glupment</li> <li>EM3600 Inbound VID cable glupment</li> <li>EM3600 Inbound VID feld equipment</li> <li>EM3600 Inbound VID feld equipment</li> <li>EM3600 Inbound VID feld equipment</li> <li>EM3600 Inbound VID feld equipment installation (4 YD)</li> <li>EM3100 Inbound VID feld equipment installation (4 YD)</li> <li>EM3100 Inbound VID feld equipment installation (4 YD)</li> <li>EM3100 Inbound VID and VID and</li></ul>											11111					
EM2880     L18(024) - AVCSS SURCON and 55° LCD Installation     EM3000     L18(024) - SURCON Turing     L18(024) - SURCON TURIS										+-+-+-+-+	n de de de de de		i - de defeie de elect		r de de de dé	
EM3000       L18(024) - SURCON Tuning         E EM3000       L18(024) - SURCON Tuning         E EM3000       L18(024) - SURCON Tuning         E EM3000       L19(043) - Cable Splicing and termination         E EM1400       L19(043) - Cable Splicing and Testing and Labeling         E EM1400       L19(043) - PAn and Intercom Tuning         E MM300       Inbound VID cabling from pilar box to VID field equipment         E MM300       Inbound VITS cabling from pilar box to TS field equipment         E MM300       Inbound VITS field equipment installation (4 YID)         E M3000       Inbound VITS field equipment installation (4 YID)         E M3000       Inbound VITS field equipment installation (4 YID)         E M3000       Inbound VITS field equipment installation (4 PID) + 3 Cameras)         E M3000       Inbound VITS field equipment installation (4 PID) + 3 Cameras)         E M3100       Inbound VITS field equipment installation (4 PID) + 3 Cameras)         E M3100       Inbound VITS and TLS field equipment installation (4 PID) + 3 Cameras)         E M3100       Inbound VITS and TLS field equipment installation (4 SVD)         Inbound VITS and TLS field equipment installation (4 TLS)       Inbound VITS and TLS field equipment installation (4 SVD)         E M3100       Inbound VITS and TLS field equipment installation (4 TLS)       Inbound VITS and TLS field equipment installation (																1 7 1
Concertion 19 (DDH Cargo Clearance Bidg(04.3))     EM1300 L19(043) - Cable Laying and termination     EM1300 L19(043) - Cable Splicing and Testing and Labeling     EM1300 L19(043) - Cable Splicing and Testing and Labeling     EM1300 L19(043) - Cable Splicing and Testing and Labeling     EM1300 L19(043) - PA and Intercom Installation     EM1420 IL19(043) - PA and Intercom Installation     EM1420 Inbound VID Sabling from pillar box to VID field equipment     EM3040 Inbound VID Sabling from pillar box to VID field equipment     EM3040 Inbound VID Sabling from pillar box to VIS field equipment     EM3040 Inbound VID Sabling from pillar box to VIS field equipment     EM3040 Inbound VID Sabling from pillar box to VIS field equipment     EM3040 Inbound VID Sabling from pillar box to VIS field equipment     EM3040 Inbound VID Sabling from pillar box to VIS field equipment     Inbound VIS field equipment Installation (4 RFID + 3 Cameras)     EM3140 Inbound VIS field equipment Installation (4 RFID + 3 Cameras)     EM3140 Inbound VIS field equipment Installation (4 RFID + 3 Cameras)     Inbound VID and VTS field equipment Installation (4 RFID + 3 Cameras)												- ` - `			LCD Ins	tallation
EM1360 L19(043) - Cable Laying and termination     EM1360 L19(043) - Cable Splicing and Testing and Labeling     EM1360 L19(043) - Cable Splicing and Testing and Labeling     EM1360 L19(043) - Cable Splicing and Testing and Labeling     EM1360 L19(043) - Cable Splicing and Testing and Labeling     EM1360 L19(043) - PA and Intercom Installation     EM1360 L19(043) - PA and Intercom Tuning     EM1310 Inbound VTD and VTS and TLS field equipment Installation (4 TLS)															learance	e Bida(0
EM1380 L19(043) - Cable Splicing and Testing and Labeling     EM1400 L19(043) - PA and Intercom Installation     EM1420 L19(043) - PA and Intercom Installation     L19(043) - PA and Intercom Installation     EM1420 L19(043) - PA and Intercom Installation																
EM1400 L19(043) - PA and Intercom Installation EM1420 L19(043) - PA and Intercom Tuning EM3020 Inbound VID cabling from pilar box to VD Field equipment EM3040 Inbound VIS cabling from pilar box to VTS field equipment EM3060 Inbound TLS cabling from pilar box to VTS field equipment EM3020 Inbound VID field equipment Installation (4 RFID + 3 Cameras) EM3100 Inbound VTS field equipment Installation (4 RFID + 3 Cameras) EM3140 Inbound VTS field equipment Installation (4 RFID + 3 Cameras) EM3140 Inbound VTS field equipment Installation (4 RFID + 3 Cameras) EM3140 Inbound VTS field equipment Installation (4 TLS) Thord vTS field equipment Installation (4 TLS) Inbound VTS field equipment Installation (4 TLS) Hong Kong-Zhuhai-Macao Bridge Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support Visiter (VCSS)										+-+-+-+		*********	1			·
Performance No:: HZMB-DWP Data Date: 14-Aug-15          Programme No:: HZMB-DWP Data Date: 14-Aug-15       Actual Level of Effort Primary Baseline Actual Work Remaining Work       Hong Kong-Zhuhai-Macao Bridge Hong Stry England       Intervent Stream (Pace: 1.0b WC LC         Programme No:: HZMB-DWP Data Date: 14-Aug-15       Actual Work Remaining Work       Hong Kong-Zhuhai-Macao Bridge Hong Stry England       Intervent Stream (Pace: 1.0b WC LC												ST 1 ST 1 T 1				ling
Programme No.: HZMB-DWP Data Date: 14-Aug-15       Actual Level of Effort Primary Baseline Actual Work       Actual Level of Effort Remaining Work       Actual Level of Effort Remaining Work       Hong Kong-Zhuhai-Macao Bridge Hong Kong Support System (AVCSS)															n	
M3020       Inbound VID cabling from pillar box to VTS field equipment         M3020       Inbound VTS cabling from pillar box to VTS field equipment         M3020       Inbound VTS cabling from pillar box to VTS field equipment         M3020       Inbound VTS cabling from pillar box to VTS field equipment         M3020       Inbound VTS cabling from pillar box to VTS field equipment         M3020       Inbound VTS cabling from pillar box to VTS field equipment         M3020       Inbound VTS field equipment installation (8 VID)         M3020       Inbound VTS field equipment installation (4 RFID + 3 Cameras)         M3120       Inbound VTS field equipment installation (4 RFID + 3 Cameras)         M3120       Inbound VID and VTS and TLS field equipment installation (4 TLS)         M3120       Inbound VID and VTS and TLS field equipment tuning												9(043) - PA )2-Aua-17, I	and intercom	learance:	Plaza - 8	nos VII
EM3040 Inbound VTS cabling from pillar box to VTS field equipment EM3060 Inbound VTS cabling from pillar box to VTS field equipment EM3060 Inbound VTS cabling from pillar box to VTS field equipment EM3080 Inbound VTS field equipment installation (8 VID) EM3080 Inbound VTS field equipment installation (4 RFID + 3 Cameras) EM3100 Inbound VTS field equipment installation (4 RFID + 3 Cameras) EM3100 Inbound VTS field equipment installation (4 RFID + 3 Cameras) EM3100 Inbound VTS field equipment installation (4 RFID + 3 Cameras) EM3100 Inbound VTS field equipment installation (4 RFID + 3 Cameras) EM3100 Inbound VTS and TLS field equipment installation (4 RFID + 3 Cameras) Inbound VTS and TLS field equipment installation (4 RFID + 3 Cameras) Inbound VTS and TLS field equipment installation (4 RFID + 3 Cameras) Inbound VTS and TLS field equipment installation (4 RFID + 3 Cameras) Though VTS and TLS field equipment installation (4 RFID + 3 Cameras) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equipment installation (4 TLS) Inbound VTS and TLS field equ																
EM3060       Inbound TLS cabling from pillar box to TLS field equipment         EM3060       Inbound VID field equipment installation (8 VID)         EM3080       Inbound VID field equipment installation (8 VID)         EM3100       Inbound VTS field equipment installation (4 RFID + 3 Cameras)         EM3120       Inbound VID and VTS and TLS field equipment installation (4 TLS)         EM3140       Inbound VID and VTS and TLS field equipment uning         Programme No.: HZMB-DWP       Actual Level of Effort         Primary Baseline       Hong Kong-Zhuhai-Macao Bridge         Hong Kong Boundary Crossing       Facilities - Automatic Vehicle         Remaining Work       Remaining Work						· · · · ·		+		+ - + - + - + - +						2 - 2 - 2 -
EM3080       Inbound VID field equipment installation (8 VID)         EM3100       Inbound VID field equipment installation (4 RFID + 3 Cameras)         EM3120       Inbound VID and VTS field equipment installation (4 TLS)         EM3120       Inbound VID and VTS and TLS field equipment installation (4 TLS)         EM3140       Inbound VID and VTS and TLS field equipment installation (4 TLS)         Inbound VID and VTS and TLS field equipment installation (4 TLS)         Programme No.: HZMB-DWP         Date: 14-Aug-15         Actual Level of Effort         Primary Baseline         Actual Work         Actual Work         Remaining Work             Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)											· · <u>·</u> · ·					1 1 1
EM3100       Inbound VTS field equipment installation (4 RFID + 3 Cameras)         EM3120       Inbound TLS field equipment installation (4 TLS)         EM3120       Inbound VID and VTS and TLS field equipment tuning         Programme No.: HZMB-DWP Data Date: 14-Aug-15       Actual Level of Effort         Primary Baseline       Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)																
EM3120       Inbound TLS field equipment installation (4 TLS)         EM3140       Inbound VID and VTS and TLS field equipment tuning         Programme No.: HZMB-DWP       Actual Level of Effort       summary         Primary Baseline       Hong Kong-Zhuhai-Macao Bridge         Actual Work       Hong Kong Boundary Crossing         Facilities - Automatic Vehicle       5-May-17         Remaining Work       Remaining Work															1 15 1 1	P 1 1
Inbound VID and VTS and TLS field equipment tuning       Inbound VID and VTS and TLS field equipment tuning         Programme No.: HZMB-DWP       Actual Level of Effort       summary         Primary Baseline       Primary Baseline         Actual Work       Hong Kong-Zhuhai-Macao Bridge         Hong Kong Boundary Crossing       10-Mar-17         Rewision       WC         Actual Work       Facilities - Automatic Vehicle         Clearance Support System (AVCSS)       Clearance Support System (AVCSS)																
Programme No.: HZMB-DWP       Actual Level of Effort       summary         Data Date: 14-Aug-15       Actual Work       Hong Kong-Zhuhai-Macao Bridge         Hong Kong-Zhuhai-Macao Bridge       Hong Kong Boundary Crossing         Hong Kong Boundary Crossing       10-Mar-17       Rev: 1.0a       WC       LC         Facilities - Automatic Vehicle       5-May-17       Rev: 1.0b       WC       LC         Clearance Support System (AVCSS)       Clearance Support System (AVCSS)       Hong Kong Soundary Crossing	<b>EN10440</b>									· + - + - + - + - +						
Programme No.: HZ/MB-DWP       Actual Level of Lifett V Summary       Hong Kong-Zhuhai-Macao Bridge         Data Date: 14-Aug-15       Primary Baseline       Hong Kong-Zhuhai-Macao Bridge         Actual Work       Hong Kong Boundary Crossing       14-Nov-16       Rev.: 0       WC       LC         Remaining Work       Remaining Work       Clearance Support System (AVCSS)       Facilities - Automatic Vehicle       5-May-17       Rev.: 1.0b       WC       LC											0 .		anu vi s ano	i La lielo	equipme	
Programme No.: HZ/MB-DWP       Actual Level of Lifett V Summary       Hong Kong-Zhuhai-Macao Bridge         Data Date: 14-Aug-15       Primary Baseline       Hong Kong-Zhuhai-Macao Bridge         Actual Work       Hong Kong Boundary Crossing       14-Nov-16       Rev.: 0       WC       LC         Remaining Work       Remaining Work       Clearance Support System (AVCSS)       Clearance Support System (AVCSS)       5-May-17       Rev.: 1.0b       WC       LC											Date	Revisi	on Ch	ecked	Appro	oved
Actual Work       Actual Work       In Onig Kong Doundary Crossing       In Onig Kong Doundary Crossing         Actual Work       Facilities - Automatic Vehicle       5-May-17       Rev.: 1.0b       WC       LC         Remaining Work       Clearance Support System (AVCSS)	e		summary							14-						-
Remaining Work Facilities - Automatic Vehicle 5-May-17 Rev.: 1.0b WC LC	Data Date: 14-Aug-15									10-	-Mar-17	Rev.: 1.0a			LC	
										<u>5-</u> 1	May-17	Rev.: 1.0b	WC		LC	
		C C		Clearance Support System (AVCSS)												

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Baseline Milestone

Milestone

Date	Revision	Checked	Approved
Nov-16	Rev.: 0	WC	LC
Mar-17	Rev.: 1.0a	WC	LC
1ay-17	Rev.: 1.0b	WC	LC

Contract No.: HY/2013/06		Detail Work Programme							
Activity ID Activity	ity Name		2015			016		2017	
			Q2 Q3	Q4 C	1 Q2	Q3 Q4	4 Q1	Q2 Q3	Q4 Q1
	earance Plaza - 8 nos VID, 6 nos VTS, 4 nos TLS								2-Aug-17, Outb
	ound VID cabling from pillar box to VID field equipment								ound VID cabli
	ound VTS cabling from pillar box to VTS field equipment								ound VTS cab
	ound TLS cabling from pillar box to TLS field equipment								tbound TL\$ ca
	ound VID field equipment installation (8 VID)								tbound VID fie
	ound VTS field equipment installation (3 RFID + 3 Cameras)								tbound VTS fie
	ound TLS field equipment installation (4 TLS)								tbound TLS fie
	ound VID and VTS and TLS field equipment tuning								utbound VID a
	cting (UUD1.1) between CUE and Inbd Cargo Exam Bldg (037)								n-17, Undergr
	D1.1 [CUE-037]) - Cable laying and termination								1.1 [CUE-037]
	n Inbd Cargo Exam Bidg South (037[S]) and DOH Cargo Clearand	e Bl							un-17, (UUD1.
	D1.2 [037[S]-043]) - Cable laying and termination								D1 2 [037[S]-0
	cting (UUD6) between CUE and Shuttle Bus Kiosk (006) and Inbd							<b>—</b> 10	
	Cargo Exam Bidg South(037[S]) & IB PC Exam Bidg(033) & IB Tra	ffic _							Jul-17, (UUD9
	D9.1 [037[S]-033-100) - Cable laying and termination								D9.1 [037[S]-0
	Inbd Cargo Exam Bidg North (037[N]) to Inbd VCP								-Jul-17, (UUD2
	D2 [037[N]-IB VCP]) - Cable laying and termination								
	n Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance P	laza _							9-Aug-17, (UU
	D9.3 [033-IB VCP[W]) - Cable laying and termination								UD9.3 [033-1
	n Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance P	laza _							23-Aug-17, (Ul
	D9.2 [033-IB VCP[E]) - Cable laying and termination								UUD9.2 [033-
	cting (UUD7) between PCB(001) and Inbd Coach Kiosks(010)								n 17 l'Indorar
	cting (UUD3.1) between CUE and Outbd Cargo Exam Bldg (023)								n-17, Undergr
	D3.1 [CUE-023]) - Cable laying and termination								3.1 [CUE-023]
	Car Exam Bldg(023) & OB PC Exam Bldg(024) & OB Traffic Cont	rol ł						1 1 1 1 1 1 1	un-17, (UUD3
	D3.2 [023-024-101]) - Cable laying and termination								D3.2 [023-024
	cting (UUD8) between CUE and Outbd PCA (032)								n-17, Undergr
	08 [CUE-032]) - Cable laying and termination								8 [CUE-032])
	n Outbd PC Exam Bldg (024) and Outbd Vehicle Clearance Plaza								Jul-17, (UUD4
	04.1 [024-OB VCP]) - Cable laying and termination								D4.1 024-0B
	Outbd Car Exam Bldg (023[S]) and Outbd Vehicle Clearance Plaz	a and a second							un-17, (UUD5)
	D5 [023[S]-OB VCP]) - Cable laying and termination								D5 [023[S]-OB
Initial On-Site Te	est and Commissioning / Pre-SAT (Phase 1 / Section								
📑 Site Acceptance	Test (Phase 1 / Section I)								
Security Risk Ass	essment and Audit				· + - + - + - +- + + + + +		+-+-+-+-		·-+-+
	od Test (Phase 1 / Section I)								
Completion (Pha	· · ·								
	·								
	cument (Phase 1 /Section I)								
📕 💾 Operation (Phase	se 1 /Section I)								
📕 Engineering Sup	oport for Phase 1 / Section I								· - Ŧ - Ŧ - ¬ - ¬ - ¬ - ¬ - ¬ - ¬ - ¬ - ¬
Procurement - P					: : : :				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	nch Acceptance Test for Phase 2/Section II								20 Aug 17 Inc
📲 Installation - Pha	ase 2 / Section II								30-Aug-17, Ins
			-					Date	Revision
Programme No.: HZMB-DW		summary Hong Kong-Zhuhai-Macao Bridge					1	4-Nov-16	Rev.: 0
Data Date: 14-Aug-15	Primary Baseline	Hong Kong Boundary Crossing					1	0-Mar-17	Rev.: 1.0a
	Actual Work	Facilities - Automatic Vehicle					5	-May-17	Rev.: 1.0b
	Remaining Work	Clearance Support System (AVCSS)							
	Critical Remaining Work								
	♦ Baseline Milestone								
	◆ ◆ Milestone								
			1				1		

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2017		2018		Page 6 of 8 2019
Q2 Q3	Q4 Q1		3 Q4	Q1 Q2 Q3
				ce Plaza - 8 nos V
1 1 <b>n</b> 1 1 1				o VID field equipr
			1 1 1 1	to VT\$ field equi
<u></u> + - 1	+ - +	41111 +	- + - + - +	x to TLS field equ lation (8 VID)
👝			1 1 1 1	allation (3 RFID +
				allation (4 TLS)
				ield equipment tur
			-+-+-+	D1.1) between C
UUD ₩ 27-J	1.1 [CUE-( un-17, (UU	037]) - Cable D1.2) betwe	e laying ar en Inbd (	nd termination Cargo Exam Bldg
				and termination
		1 +		
	+-+			xam Bldg South(
	JD9.1 [037	[S]-033-100)		aying and termina
				argo Exam Bldg I
■ (U ▼ 09	0192 [037[ <b>1</b> 9-Aug-17, (	vj-iB VCP]) (UUD9 3) be	- Cable la tween Inl	ying and terminat od Private Car Ex
				e laying and termi
				nbd Private Car E
D (	UUD9.2 [0	33-IB VCP[E	]) - Cable	e laying and termi
<b>—</b> 14 h	n 17 l'Inde	raround	atina /IIII	
				D3 1) between C
■ (UUD ▼ 28-J	3.1 [CUE-0 un-17, (UU	023]) - Cable	e laying ar B Car Ex	nd termination am Bldg(023) & 0
			1 1 1 1	ng and terminatio
				D8) between CUI
🛛 (UVD	8 [CUĖ-03	2]) - Cable I	aying and	termination
				t PC Exam Bldg (
■ (UL	JD4.1 [024 m-17 /111	OBVCP]) -	¢ablė lay	ing and terminatic Car Exam Bldg (02
= (001	JU [UZ3[3]-	ОБ (СГ]) -		ing and terminatio
				1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1
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	30 400 47	Installation	Dhaca	/ Section II
	Ju-riug- I/	Installation	- Filase 2	
Date	Revisio	on Ch	necked	Approved
14-Nov-16	Rev.: 0	WC		LC
0-Mar-17 5-May-17	Rev.: 1.0a Rev.: 1.0b			LC LC
, may-11	1.00			1-0

Co	ntract No.: HY/20	13/06			Detail Work Programme											
Activi	ty ID	Activity Name	•				2015			2	2016			2017		
						(	ຊ2 ເ	23 Q4	4 Q1	Q2	Q3	Q4	Q1 Q2		Q4 Q1	
	Location 8	Inbd Private Car Annex (025))													30-Aug-17	. i .
	EM3370	L8(025) - Cable Containment in k													(025) - Cab	
	EM3380	L8(025) - Cable Laying and termi	ination												8(025) - Ça	
	EM3400	L8(025) - Cable Splicing and Test	ting and Labeling												L8(025) - C	
	Location 9	Outbd Private Car Annex (032)	)) (Phase 2)												30-Aug-17	÷1
	💼 EM3500	L9(032) - Cable Containment in F	Kiosks											. 📮 🗠	9(032) - Ca	ab
	🔲 EM3520	L9(032) - Cable Laying and termi	ination												L9(032) - C	Ċa
	🖶 Initial On-S	ite Test and Commission	ning / Pre-SAT (Phase 2 / Secti	ion II)												
		ance Test (Phase 2 / Sec														
		•	· · · ·													
		Period Test (Phase 2 / S														
	Completior	n (Phase 2 / Section II)									Jii					
	🖶 Engineerin	g Support for Phase 2 / S	Section II													
	Procureme	nt for Phase2 / Section II	11													
			st for Phase2 / Section III												• 09-Oct-	17
	Installation	- Phase 2 / Section III														÷.
	Location 10	,11,12,13 (Vehicle Clearance	Kiosks)											i i i i	▼ 09-Oct-	i.
		12 Inbd Private Car Kiosks (027)													▼ 09-Oct-	1.
	EM444	0 L12(027)(12nos P2) - Cable Layi	ing and termination												12(027)(12	
		0 L12(027)(12nos P2) - Cable Splic													L12(027)(1	
			OH/MOM Kiosk Equipment Installation (12 no	os)											L12(027	
		13 Outbd Private Car Kiosks (03													01-Sep-17	
		0 L13(030)(12nos P2) - Cable Con													L13(030)(1	
		12 Outbd Goods Vehicle Kiosks													31-Aug-17	
		0 L12(029)(3nos P2) - Cable Layin												' ' <b>-</b> ' '	2(029)(3nos	
		0 L12(029)(3nos P2) - Cable Splici													12(029)(3no	
			H/MOM Kiosk Equipment Installation (3 nos)	)											_12(029)(3r	
		0 L12(029)(3nos P2) - ODB & XDB													L 12(029)(3r	
		0 L12(029)(3nos P2) - AIOP Installa													L12(029)(3	
		0 L12(029)(3nos P2) - Loop Installa													L12(029)(3	3n
		11 Outbd Coach Kiosks (009) - 4													04 Aug 17	į.
		12 Inbd Goods Vehicle Kiosks (0													24+Aug-17,	
		0 L12(028)(3nos P2) - Cable Layin	-											⊎ L12	2(028)(3nos	ŝI
		0 L12(028)(3nos P2) - Cable Splici													12(028)(3no	
			H/MOM Kiosk Equipment Installation (3 nos)	)											12(028)(3n	
		0 L12(028)(3nos P2) - ODB & XDB													12(028)(3n	
		0 L12(028)(3nos P2) - AIOP Installa													L12(028)(3r	
		0 L12(028)(3nos P2) - Loop Installa													L12(028)(3	
		0 L12(028)(3nos P2) - Kiosk Equip												I I I 🗚	L12(028)(3	
		, ,, ,	Vehicle Kiosks Installation Complete											<u> </u>	L12(028)(3 30-Aug-17	3'no
		10 Shuttle Bus Kiosks (006) - 4 r														
		0 L10(006)(4nos P2) - Cable Conta		_										; ; <b>= -</b> ; - ; - ; - ;	L10(006)(4	4n
		11 Inbd Coach Kiosks (010) - 2 n 11 Inbd Coach Kiosks (010) - 2 n														
		ite fest and Commission	ning / Pre-SAT (Phase 2 / Secti													
P	- NI - 11/23		Actual Level of Effort	oummon									D	ate	Revisio	ior
	ogramme No.: HZN			summary	Hong Kong-Zhuhai-Macao Bridge								14-Nov		Rev.: 0	
Da	ta Date: 14-Aug-15		Primary Baseline Actual Work		Hong Kong Boundary Crossing								10-Ma	r-17	Rev.: 1.0a	a
			Remaining Work		Facilities - Automatic Vehicle								5-May-	17	Rev.: 1.0b	<u>כ</u>
			, and a second sec		Clearance Support System (AVCSS)											
			Critical Remaining Work													
			A Baseline Milestone     Milestone													
			♦ Milestone													
L			1		1											

								Page	7 of 8	3
		201	7		20	18		20	19	
Q4	Q1	Q2	Q3 Q4	Q1	Q2	Q3	Q4	Q1		23
			30-Au L8(025) -	J.J.J.,				te Car A ks	nnex (	02
						-		ation ing and	l'abolir	
			30-Au	g-17, L	ocatior	9(Out	bd Priv	/ate Car		
	- 4 - 4 - 4 - 4		L9(032)	- Cabl 2) - Cal				!!!		
		•						2 / Sect I3 (Vehi		ari
		•	<u>+          </u>	1 1 1				rivate Ca	1 1 1	
				27)(12r 2(027)(	ios P2) 12nos	- Cab P2) - A	le Splic VCSS/	- i i i	Testing OM Kio	g a osk
			📕 L13(0	30)(12	nos P2	) - Cab	le Con	tainmen oods Vel	t in Kio	sk
			L12(029) L12(029	(3nos l	P2) - C	able S	plicing	and Tes	ting an	- 1
			L12(02	9)(3no	s P2) -	ODB 8	& XDB		on (3 r	
				1 1 1	i i i			ation (15	. i .	
			24+Au L12(028)	44			+ - + - + - +	ds Vehic nd termi		ks
			L12(028	(3nos l	P2) - C	able S	plicing	and Tes	ting an	
			L12(028	1111					1 1 17	11
			L12(02		())					
			L12(02	28)(3no	os P2) -	Kiosk	Equipn	nent Co	nfigura	
				g-17, L	ocatior	10 Sh	iuttle B	us Kiosk	\$ (006	) -
			⊨ L10(0	υ <u>ο)(4n</u> α	DS P2)	- Gable	e Gonta	ainment	in Kios	ĸs

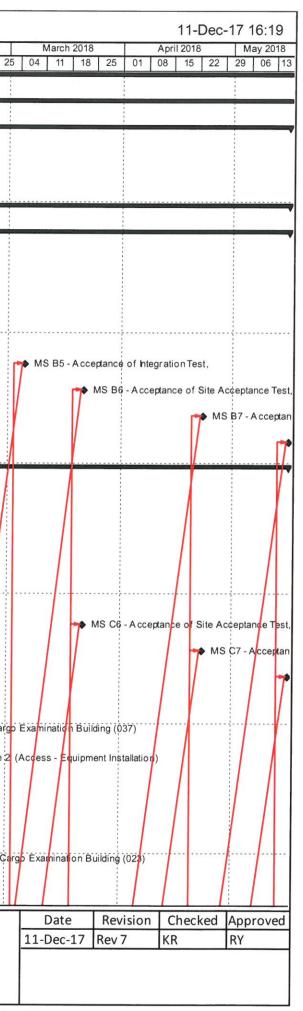
Date	Revision	Checked	Approved
Nov-16	Rev.: 0	WC	LC
Mar-17	Rev.: 1.0a	WC	LC
1ay-17	Rev.: 1.0b	WC	LC

Contract No.: HY	(/2013/06	Detail Work F	rogramme																Page	e 8 o
ctivity ID	Activity Name	• •	• • •	20	15			20	16			20	)17			2	018		2	2019
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
📇 Site Acc	eptance Test (Phase 2 / Section III)																			
	lity Period Test (Phase 2 / Section III)																			
	tion (Phase 2 / Section III)																			
	on (Phase 2 / Section III)																			
💾 Defect L	iability Period (DLP)																			
🛛 💾 Docume	ent Submission (Phase 2 / Section III)																			

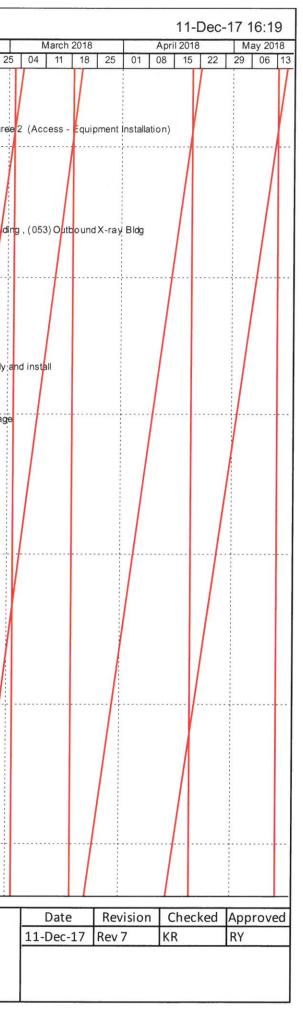
Programme No.: HZMB-DWP Data Date: 14-Aug-15	Actual Level of Effort summary Primary Baseline Actual Work Remaining Work Critical Remaining Work Baseline Milestone Milestone	Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)		[ 14-No 10-Ma 5-May
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Date	Revision	Checked	Approved
Nov-16	Rev.: 0	WC	LC
Mar-17	Rev.: 1.0a	WC	LC
lay-17	Rev.: 1.0b	WC	LC

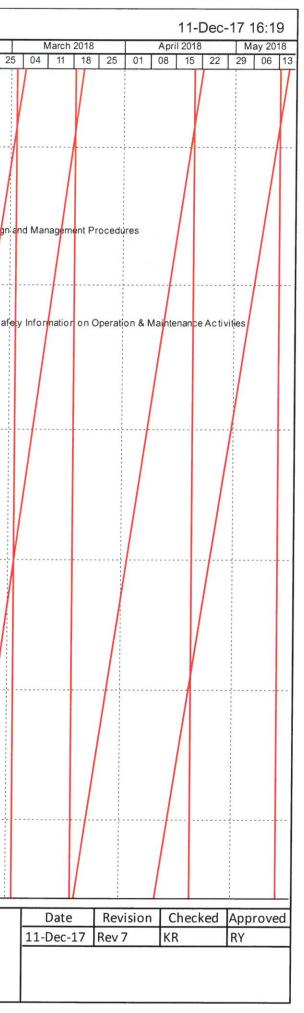
	hai-Macao Bridge Gantry Type X-Ray Vehicle	HZM	B Overall	
y ID	Activity Name		December 2017	January 2018 February 2
Hona Kona-Z	Lhuhai-Macao Bridge Gantry Type X-Ray Veh		10 17 24 3	1 07 14 21 28 04 11
	HY/2014/04 Hong Kong-Zhuhai-Macao Bridge Hong Kor			
Contract Aw				
	Letter of A cceptance			
<b>—</b> 4	Contract Signing			
Hilestone				
Cost Cer	ntre B			
🚍 A1010	MS B1 - Submission of Draft Detailed Design Documents			
😑 A1020	MS B2 - Submission of Final Detailed Design Documents			
😑 A1030	MS B3 - Acceptance of Factory Acceptance Tests (FAT)			
A 1040	MS B4 - Complete order and delivery on Site of all equipment			
🖨 A1050				
A1060	-			
🚍 A1070				
🚍 A1080	MS B8 - Issue of Certificate of Completion for works under Cost Centre B			
Cost Cen	ntre C			
🗖 A1090	MS C1 - Submission of Draft Detailed Design Documents			
😑 A1100	MS C2 - Submission of Final Detailed Design Documents			
👝 A1110	MS C3 - Acceptance of Factory Acceptance Tests (FAT)			
👝 A1120	MS C4 - Complete order and delivery on Site of all equipment			
🗖 A1130	MS C5 - Acceptance of Integration Test		1\$ C5 - A cceptance of	Integration Test,
🖨 👝 A1140	MS C6 - Acceptance of Site Acceptance Test			
🗖 A1150	MS C7 - Acceptance of Operability Test			
A1160				
	Centre C			
Site Access				15-Jan-18, Site Access
	1 - Inbound Cargo Examination Building (037)			▼ 15-Jan-18, Location 1 - Inbo
<b>a</b> 100	Inbound Cargo Exam Bldg - Degree 2 (Access - Equipment Installation)			I Inbound Cargo Exam Bldg
97	Inbound Cargo Exam Bldg - Degree 1 inspection			
98	Inbound Cargo Exam Bldg - Degree 1 (Access - Wiring Works)		go Exam Bldg - Degree	e 1 (Access - Wiring Works)
99	Inbound Cargo Exam Bldg - Degree 2 inspection			
Location	2 - Outbound Cargo Examination Building (023)			15-Jan-18, Location 2 - Out
<b>—</b> 102	Outbound Cargo Exam Bldg - Degree 1 inspection			
<b>pisca</b>	Actual Level of Effort Rema	ining Work summary	C7's formal access to the site = Degree	
system	BL (IWP rev 2)	al Remaining Work	(Particular Specification P 1 of 1	
An OSI Systems Come	Actual Work 🔶 Miles	cone		



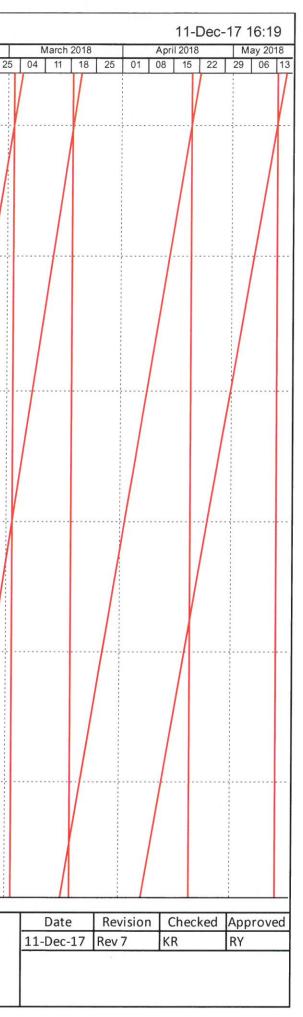
	Activity Name	December 2017 January 2018 February 2018
<b>—</b> 103	Outbound Cargo Exam Bldg - Degree 1 (Access - Wiring Works)	10         17         24         31         07         14         21         28         04         11         18           Outbound Cargo Exam Bidg - Degree 1 (Access - Wiring Works)
<b>—</b> 104	Outbound Cargo Exam Bldg - Degree 2 inspection	
<b>—</b> 105	Outbound Cargo Exam Bldg - Degree 2 (Access - Equipment	Outbound Cargo Exam Bldg - Degr
Location 3	Installation) 8- Inbound X-ray Building (054)	loy-17 A, Location 3- Inbo und X-ray Building (054)
<b>1</b> 07	Inbound X-Ray Bldg - Degree 2 inspection - (Wiring Works)	und X-Ray Bldg - Degree 2 inspection - (Wiring Works)
<b>1</b> 08	Inbound X-Ray Bldg - Degree 2 (Access - Equipment Installation)	Degree 2 (Access - Equipment Installation)
	Inbound (059) / Outbound (058) X-ray Scan Building , (053) Out	loy-17 A, Location 4 Inbound (058) X-ray Scan Bui
<b>1</b> 10	Inbound/Outbound X-Ray Scan Tunnel - Degree 1 inspection	
<b>1</b> 11	Inbound/Outbound X-Ray Scan Tunnel - Degree 1 (Access -	
<b>—</b> 111	Wiring Works & Equipment Installation)	
<b>—</b> 112	Outbound X-Ray Bldg - Degree 2 inspection - (Wiring Works)	ound X-Ray Bldg - Degree 2 inspection - ( Wiring Works)
<b>—</b> 113	Outbound X-Ray Bldg - Degree 2 (Access - Equipment Installation)	g - Degree 2 (Access - Equipment Installation )
esign, build,	, supply and install	19-Jan-18, Design, build, supply
28	Commencement of design Works	
Detailed Desig	gn Stage	19-Jan-18, Detailed Design Sta
<b>—</b> 30	Kick-off Meeting	
31	Project Charter	
32	Liaison with Building Contractors on civil provisions required and submission of Designs Affecting Structure Stability	
<b>3</b> 3	Interface and Coordination with interfacing contractor	
35	Presentation of the workflow and system design to interested parties (C&ED, EMSD, HyD, etc.)	
36	Preparation of AIP S ubmissions, including checking by Independent Checking Engineer	
37	Submission of AIP Documents	
<b>3</b> 8	Comment by the Engineer	
<b>—</b> 39	Preparation and Re-submission of AIP Documents	
<b>4</b> 0	Approval by the Engineer	
41	AIP Complete	
<b>4</b> 2	Development of man-machine interface (MMI) with prototype of	
<b>5</b> 1	software         Detailed Design Stage Complete (MS B.1, C.1 - 22 Sep 16)	
<b>—</b> A1170	Design submission and approval of Electrical Distribution for Gantry Equipment (Inbound(059) /Outbound (058) Scan tunnel	
Detailed De	esign Approval Check (DDA)	
44	Preparation of DDA Submissions	
	Actual Level of Effort Remaining Work	summary C7's formal access to the site = Degree 1/degree 2 completion date
oiscar	BL (IWP rev 2) Critical Remainin	(Particular Specification Preamble – Section E)



)	Activity Name		December 201	, , , , , , , , , , , , , , , , , , , ,
<b>a</b> 45	Submission of DDA Documents (Part1)		8 10 17	24 31 07 14 21 28 04 11 18
<b>—</b> 46	Submission of DDA Documents (Part2)			
<b>—</b> 47	Receive comment and approval of DDAs by the Engineer			
- 48	Provision to re-submit DDA volumes if required			
<b>4</b> 9	Approval of DDA volumes by the Engineer			
<b>5</b> 0	DDA Complete (MS B.2, C.2 - 22 Oct 16)			
-	on Design and Management Procedures			19-Jan-18, Construction Desi
💼 A1210	Review the Summarized Health & Safety Concerns, Hazard & Impact Summary, Pre-tender Health & Safety Plan			
<b>A</b> 1220	Preparation and Submission of Construction Health & Safety Plan (Outlined Safety Management Plan 14 Elements per CSSM)			
💼 A1230	Review and update Health & Safety Information on Operation & Maintenance Activities		7	Review and update Health & S
Interfaces				
91	interfaces for building 053 agreed			
92	interfaces for building 054 agreed			
93	interfaces for building 058 agreed			
94	interfaces for building 059 agreed			
Procurement a	nd Delivery			
53	Generate BOM			
54	Pre-Release Long Lead Item BOM			
55	Release full BOM			
<b>5</b> 6	Procurement of Long Lead Items (Tungsten)			
<b>5</b> 7	Procurement of Electrical Components			
<b>5</b> 8	Procurement of Gantry fabrications 1			
<b>5</b> 9	Procurement of Gantry Fabrications 2			
<b>6</b> 0	Procure balance of BOM			
89	Procurement and Delivery Complete (MS B.4 27Jan17)			
Local contract	t commencement works			
Procuremen	nt of uniform			
<b>7</b>	Approval for uniform design			
<b>a</b> 8	Procurement of uniforms			
9	Issue uniform to staff			
Procuremer	nt of car			
	Actual Level of Effort	emaining Work v summary	C7's formal access to the site =	Degree 1/degree 2 completion date
piscan	<b>9</b> <sup>4</sup>	itical Remaining Work		ation Preamble – Section E)
systems				3 of 14



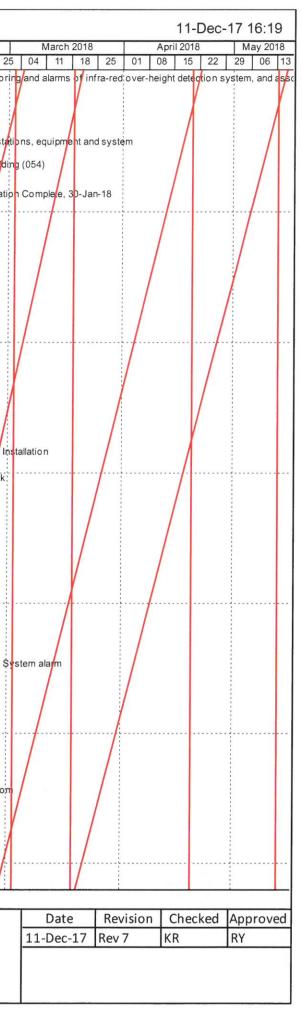
Rong-Zhui	hai-Macao Bridge Gantry Type X-Ray Vehicle	HZMB Overall	December 2017	100100	Echanica 0040
				January 2018 31 07 14 21 2	February 2018           28         04         11         18
<b>—</b> 11	Approval for car politicizations				
<b>—</b> 12	lead time for car preparation				
<b>—</b> 13	Delivery of car				
Procuren	nent of Document Management System				
<b>—</b> 15	Approval for specifications of Document Management System				
<b>1</b> 6	Procurement and delivery				
<b>—</b> 17	Scope Document management System				
WA4Act	ivities				
<b>—</b> 19	Site Survey With Contractor for WA4 deliverables				
<b>2</b> 0	Submission and approval of method statement				
<b>—</b> 21	Application for permit from Environmental Protection Department (if required)				
22	Procurement and delivery of WA4 Fencing				
<b>2</b> 3	Install WA 4 Fencing				
24	Procurement activity for WA4 Concrete/Tarmac				
25	Lay WA4 Concrete/Tarmac				
<b>2</b> 6	Commencement of WA4 Weekly checks and maintenance				
X-ray Syster	m Equipment				
Manufact	uring for X-ray System Equipment				
<b>6</b> 3	Regular Site & Facility Inspection for Gantry Installation preperation				
64	Submission of samples				
<b>6</b> 5	Approval of samples				
66	Manufacturing, software design, coding and testing				
Factory A	cceptance Tests (FAT) for X-ray System Equipment				
68	Assemble and Test System (Pre-FAT)				
<b>6</b> 9	Submission of FAT Plan				
69.5	Approval of FAT Plan				
<b>—</b> 70	FAT at Sto ke				
71	Submission of complete set of sample and associated supporting structure for testing of X-ray imaging performance to Gov				
<b>—</b> 72	Submission of radiation source with protective enclosure to Government				
<b>—</b> 73	Submission and acceptance of FAT Report				
<b>7</b> 4	FAT Complete (MS B.3, C.3 - 7 Dec 16)				
isca	Actual Level of Effort Remaining Work	(Pa	cess to the site = Degr rticular Specification		
system	5 SE (IVITIEV2)	rk l	4 of		
n 05 System Conia	Actual Work   Milestone				

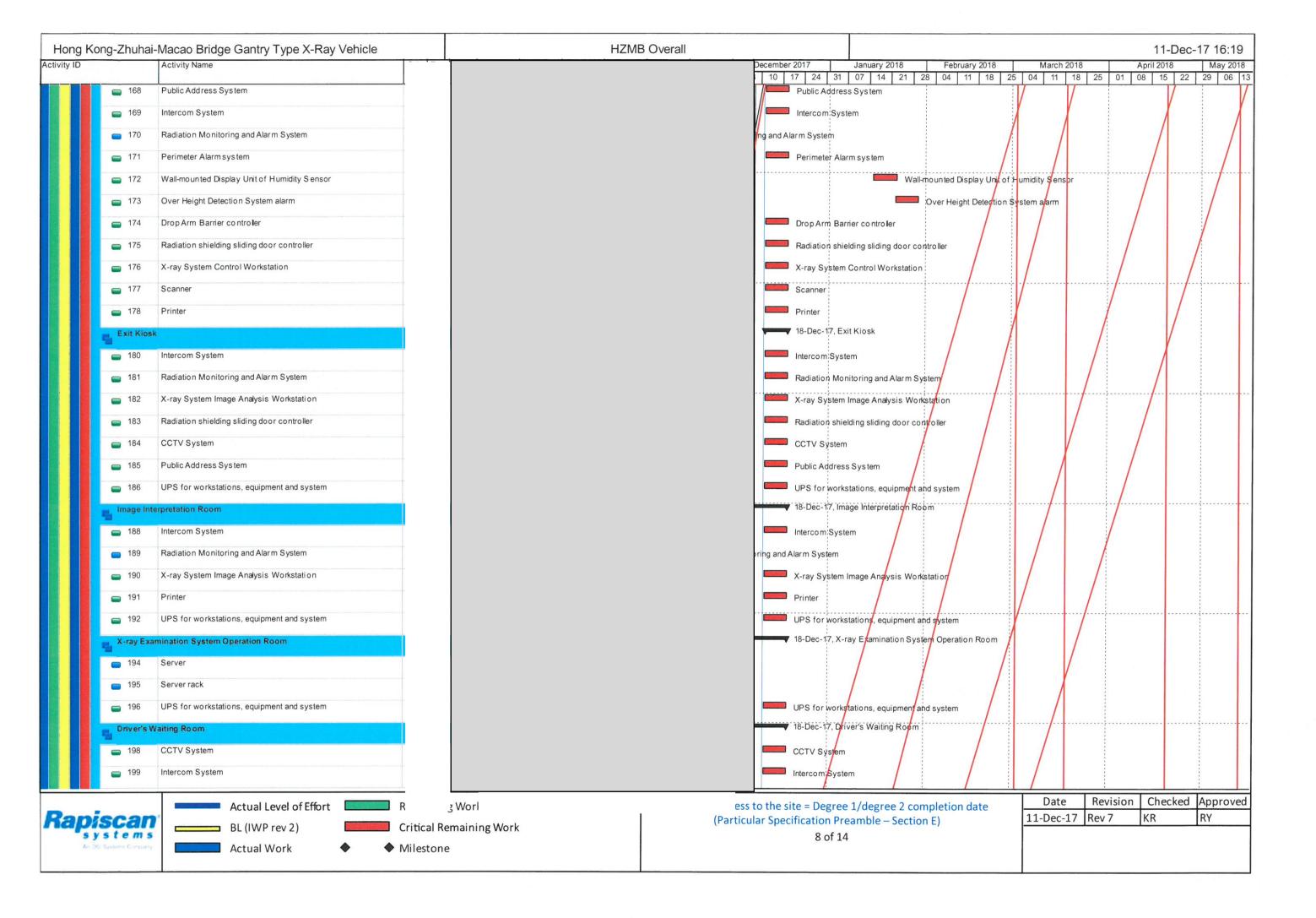


Delivery of X-ray           76         App           77         Arr           78         Shi           78.5         Shi           979         Sub           80         Del           Cc         81         Del           81.5         Del	System Equipment         plication for export permit         range shipping, Packing         ipping (via sea) and import clearance declaration of Gantry         stems #1         ipping (via sea) and import clearance declaration of Gantry         stems #1         ipping (via sea) and import clearance declaration of Gantry         stems #1         ipping (via sea) and import clearance declaration of Gantry         stems #2         bmission of List of Hazardous Materials         livery/Arrival of accessories (rail, intercom, PA, Speakers, TV, power and data cables)		Imber 2017         January 2018         February 2018           0         17         24         31         07         14         21         28         04         11         18		ril 2018 Ma 15 22 29
<ul> <li>76 App</li> <li>77 Arr</li> <li>78 Shi Sys</li> <li>78.5 Shi Sys</li> <li>79 Sut</li> <li>80 Del CC</li> <li>81 Del Con</li> <li>81.5 Del</li> </ul>	plication for export permit range shipping, Packing ipping (via sea) and import clearance declaration of Gantry stems #1 ipping (via sea) and import clearance declaration of Gantry stems #2 bmission of List of Hazardous Materials livery/Arrival of accessories (rail, intercom, PA, Speakers, TV,power and data cables)				
<ul> <li>77 Arr</li> <li>78 Shi Sys</li> <li>78.5 Shi Sys</li> <li>79 Sut</li> <li>80 Del CC</li> <li>81 Del Con</li> <li>81.5 Del</li> </ul>	range shipping, Packing ipping (via sea) and import clearance declaration of Gantry stems #1 ipping (via sea) and import clearance declaration of Gantry stems #2 bmission of List of Hazardous Materials livery/Arrival of accessories (rail, intercom, PA, Speakers, TV,power and data cables)				
<ul> <li>78</li> <li>78.5</li> <li>78.5</li> <li>Shi Sys</li> <li>79</li> <li>Sut</li> <li>80</li> <li>Del Cc</li> <li>81</li> <li>Del Con</li> <li>81.5</li> </ul>	ipping (via sea) and import clearance declaration of Gantry stems #1 ipping (via sea) and import clearance declaration of Gantry stems #2 bmission of List of Hazardous Materials livery/Arrival of accessories (rail, intercom, PA, Speakers, TV,power and data cables)				
78.5       Shi         79       Sut         80       Del         CC       81       Del         6       81.5       Del	stems #1 ipping (via sea) and import clearance declaration of Gantry stems #2 bmission of List of Hazardous Materials livery/Arrival of accessories (rail, intercom, PA, Speakers, TV,power and data cables)				
<ul> <li>78.5</li> <li>78.5</li> <li>Sys</li> <li>79</li> <li>80</li> <li>Del CC</li> <li>81</li> <li>Del Con</li> <li>81.5</li> </ul>	ipping (via sea) and import clearance declaration of Gantry stems #2 bmission of List of Hazardous Materials livery/Arrival of accessories (rail, intercom, PA, Speakers, TV,power and data cables)				
<ul> <li>79</li> <li>80</li> <li>81</li> <li>81.5</li> </ul>	bmission of List of Hazardous Materials livery/Arrival of accessories (rail, intercom, PA, Speakers, TV,power and data cables)				
<ul> <li>80</li> <li>B1</li> <li>B1.5</li> </ul>	TV,power and data cables)				
81 Del Con 81.5 Del					
Cor 81.5 Del					
	livery of Gantry #1 Type X-Ray Vehicle Inspection System mplete				
Cor	livery of Gantry #2 Type X-Ray Vehicle Inspection System mplete				
Radiation Shielding	Doors and Other Auxiliary Systems and Equipment				
<b>a</b> 83 Sub	bmission of proposed RSE				
B4 Stru for	uctural calculation of sliding doors for submission to TPIDC approval		1		
💼 85 Apr	proval by the Engineer and TPIDC				
💼 86 Ma	nufacturing of Doors				
e 87 Deli	ivery of Radiation Shielding Doors to HK site				
🚍 88 Deli	ivery of other Auxiliary Systems and Equipment to HK site				
👝 A1000 Cor	mplete delivery of Radiation Shielding Doors to HK site				
Section I - Gantry T	ype X-ray Vehicle Inspection System for inbound u			23-Mar-18, Secti	on I - Gantry Type
= 212 Sof	ftware Setup & Integration and Imaging Tests		Softwar	e Setup & Integration and Imaging Tests	
😑 213 Cor	nstruction Works - Section I Complete		◆ Constru	iction Works - Section I Complete, 14-Fe	b-1 <mark>8</mark>
<b>—</b> A1300 Per	rmanent Power				
– Inbound Cargo Exa	mination Building (037)			23-Mar-18, Inbou	ind Cargo Examina
- 315 Cat	bling and cable containment				
a 316 Inst	tallation of X-ray System Image Analysis Workstations, UPS		Installation of X-ray System mad	ge Analysis Workstations, UPS for works	tations equipment
	workstations, equipment and system, Scanner and Printe				
Wo	nporary Installation of X-ray System Image Analysis rkstations, UPS for workstations, equipment and system,		Temporary Installation of X-ray S	ystem Image Analysis Workstations, UP	S fo <sup>r</sup> workstations,
🚍 318 Disi	anner mantle of the temporary setup of System Image Analysis			Dismantle of the	temporary setup of
Exa	rkstations and associated equipment for Outbound Cargo ami Ding and containment from Building (037) to Buildings				
A1180 Cab (054	Jing and containment from Building (037) to Buildings 4),(059) & (058)		dings (054),(059) & (058)		
Scan Tunnel (059)			07-Feb-18, Sc	an Tunnel (059)	
💼 116 Cab	pling and cable containment		Cabling and cable containment		
🚍 140 Sca	an Tunnel Installation Complete		Scan Tunnel I	nstalation Complete, 07-Feb-18	
	· · · · · · · · · · · · · · · · · · ·				
piscan	Actual Level of Effort Remaining Work		the site = Degree 1/degree 2 completion date Specification Preamble – Section E)	Date Revision ( 11-Dec-17 Rev 7 K	Checked App R RY
systems	BL (IWP rev 2) Critical Remaining Work	(Farticular	5 of 14		<u>, nu</u>

Kong-Zhuha	i-Macao Bridge Gantry Type X-Ray Vehicle	HZMB Overall			11	1-Dec-17
	Activity Name		ber 2017 January 2018 Feb	ruary 2018 March 2	2018 April 20 18 25 01 08 1	
	of X-ray System Equipment					
<b>—</b> 118	Gantry Rails				1	·
<b>—</b> 118.1	Hole Marking and Rebar Scanning					
<b>—</b> 118.2	Hole Drilling, base surface roughening & inspection					
<b>—</b> 118.3	Sole plates assembly, hold down bolt installation & resin curing					
<b>—</b> 118.4	Sole plates adjustments/leveling					
<b>—</b> 118.5	Rail assembly on top of sole plates & levelling					
<b>—</b> 118.6	Rail base support box enclosure, grouting & curing					
<b>—</b> 118.7	Rail alignment & torque tigthening					
<b>—</b> 118.8	Rail welding & profiling					/
<b>—</b> 118.9	Rail inspection				/	
<b>—</b> 119	Linear Accelerator Pod and Modular Pod					
<b>—</b> 120	Vertical Boom Wheel Set and Vertical Boom			/ //	/	
<b>—</b> 121	Horizontal Boom				/	
<b>—</b> 122	Radioactivity threat detection system					
<b>A</b> 1240	Components installation, Wiring and drag Chain assembly					
Radiation S	hielding Sliding Door and Radiation Shielding Door		19-Dec-17, Radiation Shielding Sliding Door	r and Radiation Shielding Doo		
124	Unloading and storage of of Materials on site					
<b>—</b> 125	Installation of Brackets and Hilti bolts				/ /	
<b>—</b> 126	Installation of Beam					
<b>—</b> 127	Installation of Door Box (Sliding & Swing Doors)					
<b>127.5</b>	Painting Works and clean up		Painting Works and clean up		1	
<b>=</b> 128	Testing & commissioning		Testing & commissioning		/ /	
Installation	of other Auxiliary Systems and Equipment		06	-Feb 18, Installation of other	uxiliary Systems and Equi	pment
<b>—</b> 130	PTZ CCTV camera (indoor type)					
<b>—</b> 131	PTZ CCTV camera (outdoor type)		type)		/	
<b>—</b> 132	Humidity Sensor		P Humidi	ty Sensor		
<b>—</b> 133	CCTV Control System				/	
<b>=</b> 134	Drop arm barrier, sto p/go light and connection to x-ray control		I Dropa	arm barrier, stor/go light and co	onnection to x-ray control	system
<b>=</b> 135	Perimeter Alarm System and connection to the x-ray control		l Perime	eter Alarm System and connec	tion to the x-ray control sy	stem
<b>—</b> 136	system Infra-red over-height detection portal and connection to x-ray control system			a-red over-height detection po	rtal and connection to x-ra	v control sys
	Control system				1	
		C7/- 5		n data Date	Revision Ch	ecked Ap
oiscan	Actual Level of Effort Remaining Work	(Partic	ss to the site = Degree 1/degree 2 completio cular Specification Preamble – Section E)	Il uale	17 Rev 7 KR	R)
systems An O'S Systems Company			6 of 14			

Kong-Zhuhai	-Macao Bridge Gantry Type X-Ray Vehicle	HZMB Overall
	Activity Name	December 2017         January 2018         February           Image: Image in the
<b>=</b> 137	Control, monitoring and alarms of infra-red over-height detection system, and associated component	Control
<b>—</b> 138	Personal X-ray Dosimeter	
<b>=</b> 139	UPS for workstations, equipment and system	UPS fol
X-ray Building	(054)	30-Jan-18, X-r
211	X-ray Building Installation Complete	◆ X-ray Building
Cabling and	cable containment (054)	
<b>1</b> 43	Entry Kiosk	
<b>=</b> 144	Control Room	
<b>—</b> 145	Exit Kiosk	
<b>—</b> 146	Image Interpretation Room	
<b>—</b> 147	X-ray Examination System Operation Room	
<b>—</b> 148	Driver's Waiting Room	
<b>—</b> 149	Training Room	
<b>—</b> 150	Cabling and cable containment complete	
Equipment I	Installation	29-Jan-18, Equ
Entry Kio	isk	29-Jan-18, Entr
<b>=</b> 153	X-ray System Image Analysis Workstation	X-ray System Image Analysis Workstation
<b>=</b> 154	CCTV System	CCTV System
<b>=</b> 155	Intercom System	Intercom System
<b>=</b> 156	Public Address System	Public Address System
<b>a</b> 157	Perimeter Alarm System	Perimeter Alarm System
<b>=</b> 158	Radiation Monitoring and Alarm System	ing and Alarm System
<b>=</b> 159	Over Height Detection System alarm	Over Height De
<b>=</b> 160	Drop Arm Barrier controller	Drop Arm Barrier controller
<b>a</b> 161	Radiation shielding sliding door controller	Radiation shielding sliding door controller
<b>a</b> 162	UPS for workstations, equipment and system	UPS for workstations, equipment and system
163	Speaker	Speaker 29-Jan-18, Con
Control R	Video Wall (4nos. 55" LED)	29-3an-10, Con
<ul><li>165</li><li>166</li></ul>	UPS for workstations, equipment and system	UPS for workstations, equipment and system
<b>167</b>	CCTV System	CCTV System
	Actual Level of Effort Remaining Work	summary C7's formal access to the site = Degree 1/degree 2 completion da
iscan	BL (IWP rev 2)	(Particular Specification Preamble – Section E)
ystems	Actual Work Actual Work	7 of 14





ID	Activity Name Radiation Monitoring and Alarm System		December 2017         January 2018         February 2018           10         17         24         31         07         14         21         28         04         11         18         22
<b>—</b> 201	Radiation Monitoring and Alarm System		
			Monitoring and Alarm System
<b>a</b> 202	Speaker		
	UPS for workstations, equipment and system		UPS for workstations, equipment and system
T raining	room		17-Jan-18, Training room
204	Projector screen (Screen size 106")		Projector screen (Screen size 106
<b>a</b> 205	Ceiling mounted projector		Ceiling mounted projector
<b>a</b> 206	X-ray System Training Workstation		X-ray System Training Works tatio
<b>—</b> 207	Radiation Monitoring and Alarm System		Monitoring and Alarm System
<b>208</b>	UPS for workstations, equipment and system		UPS for workstations, equipment
<b>2</b> 09	Training aids		Training aids
<b>—</b> 210	Printer		Printer
Section II - Ga	ntry Type X-ray Vehicle Inspection System for outboun		16-Feb-18
<b>3</b> 11	Software Setup & Integration and Imaging Tests		Software
<b>3</b> 12	Construction Works - Section II Complete		◆ Construct
A1270	Provide temporary Generator for Test and Commissioning		tor for Test and Commissioning
A1290	Permanent Power		
Scan Tunnel (			09-Feb-18, Sca
216	Cabling and cable containment		
<b>2</b> 39	Scan Tunnel Installation Complete		
	of X-ray System Equipment		Scan Tunnel Ins
	Gantry Rails		
<b>218 218 218.1</b>	Hole Marking and Rebar Scanning		
218.2	Hole Drilling, base surface roughening & inspection		
218.3	Sole plates assembly, hold down bolt installation & resin curing		
218.4	Sole plates adjustments/leveling		
<b>218.5</b>	Rail assembly on top of sole plates & levelling		
218.6	Rail base support box enclosure, grouting & curing		
218.7	Rail alignment & torque tightening		
218.8	Rail welding & profiling		
218.9	Rail inspection		
<b>2</b> 19	Linear Accelerator Pod and Modular Pod		
220	Vertical Boom Wheel Set and Vertical Boom		
pisçan	21	naining Work summary	C7's formal access to the site = Degree 1/degree 2 completion date (Particular Specification Preamble – Section E)
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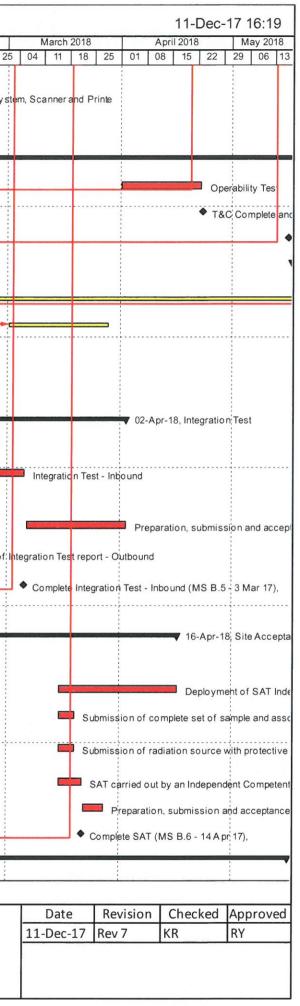
	i-Macao Bridge Gantry Type X-Ray Vehicle	HZM	BOverall		
D	Activity Name		per 2017 17 24 3	January 2018 31 07 14 21 2	February 2018
221	Horizontal Boom				
<b>222</b>	Radioactivity threat detection system				
<b>—</b> A1260	Components installation Wiring and Drag Chain Assembly				
Radiation S	bhielding Sliding Door and Radiation Shielding Door		15-Dec-17, R	adiation Shielding Sliding	Door and Radiatio
224	Installation of Brackets and Hilti bolts				
<b>225</b>	Installation of of Beam				
<b>2</b> 26	Installation of Door Box (Sliding & Swing Doors)				
226.5	Painting Works and Clean up		Painting Work	ks and Clean up	
227	Testing & commissioning				
_	of Auxiliary Systems and Equipment				08-Feb-18,
229	PTZ CCTV camera (indoor type)				
<b>230</b>	PTZ CCTV camera (outdoor type)			ra (outdoor type)	
= 231	Humidity Sensor		12 COTV carrie	a (outdoor type)	
232	CCTV Control System				Humidity Sensor
					CCTV Cont
233	Drop arm barrier, sto p/go light and connection to x-ray control system		ontrol system		
234	Perimeter Alarm System and connection to the x-ray control system				
<b>2</b> 35	Infra-red over-height detection portal and connection to x-ray control system				Infra-red ov
<b>=</b> 236	Control, monitoring and alarms of infra-red over-height detection system, and associated component				Control, m
237	Personal X-ray Dosimeter				
238	UPS for workstations, equipment and system				UPS for w
X-ray Building	(053)				30-Jan-18, X-ray B
<b>—</b> 310	X-ray Building Installation Complete			٠	X-ray Building Insta
Cabling and	l cable containment (053)				
242	Cabling and cable containment - Entry Kiosk				
<b>—</b> 243	Cabling and cable containment - Control Room				
<b>2</b> 44	Cabling and cable containment - Exit Kiosk				
<b>2</b> 45	Cabling and cable containment - Image Interpretation Room				
<b>2</b> 46	Cabling and cable containment - X-ray Examination System Operation Room				
247	Cabling and cable containment - Driver's Waiting Room				
<b>—</b> 248	Cabling and cable containment - Training Room				
249	Cabling and cable containment complete				
<b>piscan</b> s y s t e m s An Olo System Consumy	BL (IWP rev 2)	aining Work summary cal Remaining Work stone	C7's formal access to the site = Degr (Particular Specification F 10 of	Preamble – Section	

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Kong-Zhuh	ai-Macao Bridge Gantry Type X-Ray Vehicle	HZMB Overall	11-Dec-17 16:
	Activity Name		ecember 2017         January 2018         February 2018         March 2018         April 2018         May 2           10         17         24         31         07         14         21         28         04         11         18         25         04         11         18         25         01         08         15         22         29         06
Equipmer	nt Installation		29-Jan-18, Equipment Installation
Entry K	Kiosk	-	29-Jan-18, Entry Kiosk
<b>2</b> 52	X-ray System Image Analysis Workstation		X-ray System Image Analysis Workstation
<b>—</b> 253	CCTV System		CCTV System
<b>=</b> 254	Intercom System		Intercom System
<b>a</b> 255	Public Address System		Public Address System
<b>a</b> 256			Perimeter Alarm System
<b>2</b> 57	Radiation Monitoring and Alarm System		
<b>a</b> 258			Over Height Detection System alarm
259	Drop Arm Barrier controller		Drop Arm Barrier controller
<b>2</b> 260			Radiation shielding sliding door controller
<b>2</b> 200	UPS for workstations, equipment and system		
<b>2</b> 01			UPS for workstations, equipment and system
			Speaker 18-Dec-17, Control Room
-	I Room		
264	Video Wall (4nos. 55" LED)		
<b>a</b> 265	UPS for workstations, equipment and system	W	orkstations, equipment and system
<b>a</b> 266	CCTV System	/s	tem
<b>a</b> 267	Public Address System		Public Address System
<b>a</b> 268	Intercom System		Intercom System
<b>a</b> 269	Radiation Monitoring and Alarm System		
<b>a</b> 270	Perimeter Alarm system		Perimeter Alarm system
<b>@</b> 271	Wall-mounted Display Unit of Humidity Sensor		Wall-mounted Display Unit of Humidity Sensor
<b>a</b> 272	Over Height Detection System alarm		Over Height Detection System alarm
<b>a</b> 273	Drop Arm Barrier controller		Drop Arm Barrier controller
<b>a</b> 274	Radiation shielding sliding door controller		Radiation shielding sliding door controller
<b>a</b> 275	X-ray System Control Workstation	ste	em Control Workstation
<b>a</b> 276	Scanner		Scanner
<b>e</b> 277	Printer		Printer
Exit Kic	osk		▼ 18-Dec-17, Exit Kiosk
279	Intercom System		Intercom System
<b>a</b> 280	Radiation Monitoring and Alarm System		
<b>a</b> 281	X-ray System Image Analysis Workstation		X-ray System Image Analysis Workstation
iscal	Actual Level of Effort F g Work	(Particula)	o the site = Degree 1/degree 2 completion dateDateRevisionCheckedApprovr Specification Preamble - Section E)11-Dec-17Rev 7KRRY
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05 Systems Compa	Actual Work $\blacklozenge$ Milestone		

g Kong-Zhuha	ai-Macao Bridge Gantry Type X-Ray Vehicle	HZMB Overall	11-Dec-17 1
D	Activity Name	terren a service a s	December 2017 January 2018 February 2018 March 2018 April 2018 M
<b>a</b> 282	Radiation shielding sliding door controller		10       17       24       31       07       14       21       28       04       11       18       25       04       11       18       25       01       08       15       22       29         Radiation shielding sliding door controller
<b>—</b> 283	CCTV System		CCTV System
<b>—</b> 284	Public Address System		
<b>=</b> 285	UPS for workstations, equipment and system		UPS for workstations, equipment and system
	nterpretation Room		18-Dec-17, Image Interpretation Room
287	Intercom System		Intercom System
<b>—</b> 288	Radiation Monitoring and Alarm System		ring and Alarm System
<b>—</b> 289	X-ray System Image Analysis Workstation		X-ray System Image Analysis Workstation
= 290	Printer		Printer
<b>—</b> 291	UPS for workstations, equipment and system		UPS for workstations, equipment and system
	camination System Operation Room		11-Dec-17, X-ray Examination System Operation Room
293	Server		
<b>2</b> 94	Server rack		
<b>2</b> 95	UPS for workstations, equipment and system		
	Waiting Room		UPS for workstations, equipment and system 18-Dec-17, Driver's Waiting Room
297	CCTV System		
<b>2</b> 97	Intercom System		CCTV System
<b>2</b> 90	Radiation Monitoring and Alarm System		
<b>3</b> 00			
<b>3</b> 00	Speaker		
	UPS for workstations, equipment and system		UPS for workstations, equipment and system 10-Jan-18, Training room
Training			
<b>a</b> 303	Projector screen (Screen size 106")		Projector screen (Screen size 106")
<b>a</b> 304	Ceiling mounted projector		Ceiling mounted projector
<b>a</b> 305	X-ray System Training Workstation		X-ray System Training Works tation
<b>—</b> 306	Radiation Monitoring and Alarm System		
<b>a</b> 307	UPS for workstations, equipment and system		UPS for workstations, equipment and system
<b>a</b> 308	Training aids		<sup>0</sup> Training aids
<b>a</b> 309	Printer		Printer
	argo Examination Building		23-Mar-18, Section III - Cargo Exam
<b>= 322</b>	Construction Works - Section III Complete		Construction Works - Section III Co
<b>—</b> A1200	Application and approval of Supply Certificates for Permanent Power		val of Supply Certificates for Permanent Power
Outbound Ca	rgo Examination Building (023)		Examination Building (023)
	Actual Level of Effort Remaining Wo	k Summary C7's formal ac	cess to the site = Degree 1/degree 2 completion date Date Revision Checked App
piscar	BL (IW/P rev 2) Critical Remain	(Pa	rticular Specification Preamble – Section E) 11-Dec-17 Rev 7 KR RY
system:			12 of 14

<ul><li>320</li><li>321</li></ul>	Activity Name     0/2     0/2     0/2       Cabling and cable containment     0/2     0/2     0/2			January 2018 31 07 14 21	February 2018 28 04 11 18
	Cabling and cable containment		1/ 24	01 01 14 21	cu   U4   11   18
321					
	Installation of X-ray System Image Analysis Workstations, UPS for workstations, equipment and system, Scanner and Printe	nage	Analysis Works	tations, UPS for worksta	tions, equipment and
<b>A</b> 1190	Cabling and containment from Building (023) to Buildings (053),(058)				
On-Site Testing	g & Commissioning	-			
335	Operability Test				
336	T&C Complete and Issurance of Certificate of Acceptance				
345	Construction Works Complete				
Defect Liability	y Period for Construction Works				
<b>a</b> 359	Defect Liability Period				
<b>= 360</b>	Submission of Warranty Completion Test Plan				
<b>=</b> 361	Warranty Completion Test				
<b>=</b> 362	DLP Complete and issuance of Defect Liability Certificate				
<b>=</b> 363	Commencement of Maintenance Services				
Integration Tes	st	-			
325	Submission of Integration Test Plan				
326	Integration Test - Inbound	<b>*</b>			
326.1	Integration Test - Outbound	ratio	n Test - Outboun	nd	
327	Preparation, submission and acceptance of Integration Test report - Inbound				
327.1	Preparation, submission and acceptance of Integration Test report - Outbound			Preparation, submis	sion and acceptanc
327.5	Complete Integration Test - Inbound (MS B.5 - 3 Mar 17)				:
327.6	Complete Integration Test - Outbound (MS C.5 - 3 Mar 17)	plete	Integration Test	- Outbound (MS C.5 - 31	Mar 17),
Site Acceptant	ce Test				
329	Submission of SAT Plan				
<b>3</b> 30	Deployment of SAT Independent Competent Adviser				
<b>3</b> 31	Submission of complete set of sample and associated supporting structure for testing of X-ray imaging performance to Gov				
<b>3</b> 32	Submission of radiation source with protective enclosure to Government		••••••		
<b>3</b> 33	SAT carried out by an Independent CompetentAdvisor				2 1 1 1 1
<b>3</b> 34	Preparation, submission and acceptance of SAT report				
334.5	Complete SAT (MS B.6 - 14 Apr 17)				
Training		-257			
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long-znu	nai-Macao Bridge Gantry Type X-Ray Vehicle	HZMB Overall		
	Activity Name		December 2017 10 17 24 3	January 2018 31 07 14 21 2
338	Submission of Training Syllabus for approval			1 07 14 21 2
<b>=</b> 339	Liaison with Engineer to confirm training schedule		o confirm training sch	edule
<b>=</b> 340	Operator Training			
<b>=</b> 341	Trainer training			
<b>a</b> 342	Preventive maintenance training			
<b>3</b> 43	Comprehensive maintenance training			
<b>=</b> 344	Training Complete			
Other Docu	imentation			
<b>=</b> 347	Submission of WR1/WR1 (A) for all electrical installations			
<b>=</b> 348	Submission of draft O&M Manuals, Driver's Handbook, Catalog for Gantry and Record Drawings			
<b>=</b> 349	Submission of finalized O&M Manuals, Driver's Handbook, Catalog for Gantry and Record Drawings			
<b>=</b> 350	Submission of CD-ROM/DVD-ROM of O&M Manuals			
<b>=</b> 351	Submission of As-built Drawings			
<b>=</b> 352	Submission of Spare Parts and Special Tools Record			
<b>=</b> 353	Submission of Operator's Operating Instructions			
354	Submission of System Operation Instructions			
<b>=</b> 355	Submission of Software Manuals and Instruction Manual			2
<b>=</b> 356	Submission of Equipment and Hardware Maintenance Instruction Manual			
<b>a</b> 357	Submission of Software License Installation Diskettes			

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Actual Level of Effort BL (IWP rev 2)

**Remaining Work** 

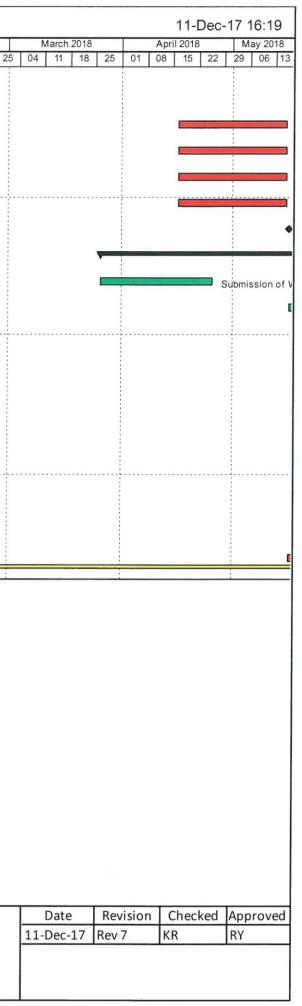
summary

**Critical Remaining Work** 

Actual Work

Milestone

C7's formal access to the site = Degree 1/degree 2 completion date (Particular Specification Preamble – Section E) 14 of 14





## **APPENDIX D**

**Event and Action Plan** 



## Event/Action Plan for Air Quality

EVENT		ACTIO	ON	
	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 measurement 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>
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 exceedance continues, arrange meeting with IEC and ER;</li> <li>If exceedance 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 Implementation 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		ACTIO	ON	
		ET	IEC	ER	CONTRACTOR
LI	MIT LEVEL				
1.	Exceedance for one sample	<ol> <li>Identify source, investigate the causes of exceedance and 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 implementation 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>
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 exceedance is abated.</li> </ol>

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
	<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 the Contractor and formulate remedial measures;</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> </ol>		notification of failure in writing; 2. Notify Contractor;	<ol> <li>Submit noise mitigation proposals to IEC;</li> <li>Implement noise mitigation proposals.</li> </ol>
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>	<ul> <li>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</li> </ul>	<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>



# **APPENDIX E**

Waste Flow Table



Name of Department: Highways Department

#### Contract No.: HY/2014/05

#### Monthly Summary Waste Flow Table for 2018

<b>LEIGHTON</b>	₩ 俊和 CHUN WO
Leighton - Chun Wo Joi	nt Venture

	Actu	al Quantities	of Inert C&D	Materials G	enerated Mo	nthly	Actual (	Quantities of	C&D Wastes	Generated	Monthly
Month	a.Total Quantity Generated (see Note 8)	b. Hard Rock and Large Broken Concrete (see Note 9)	c. Reused in the Contract	d. Reused in Other Projects	e. Disposed as Public Fill (see Note 10)	f. Imported Fill	g. Metals (see Note 5)	h. Paper / Cardboard Packaging (see Note 5)	(See Note 3)	j. Chemical Waste	k. Others, e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
January	0.053	0.053	0.000	0.000	0.053	0.000	0.000	0.000	0.000	0.000	0.515
February	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.232
March											
April											
May											
June											
Sub-total	0.063	0.063	0.000	0.000	0.063	0.000	0.000	0.000	0.000	0.000	0.747
July											
August											
September											
October											
November											
December											
Total	0.063	0.063	0.000	0.000	0.063	0.000	0.000	0.000	0.000	0.000	0.747

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

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

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

 % of recycled C&D waste = (Total C&D waste generated - Total C&D waste recycled) / Total C&D waste generated

 Monthly Summary Waste Flow Table for 2016 - Rev.00 - 22/01/2016
 page 1

#### Name of Department: Highways Department

Contract No.: F

2	2	L	Ξ	G		HT	0	N
		Le	eigl	nton	-	Chun	Wo	Joir

	Forecast of Total Quantities of C&D Materials to be Generated from the Contract*											
a.Total Quantity Generated (see Note 8)	b. Hard Rock and Large Broken Concrete (see Note 9)	c. Reused in the Contract	d. Reused in Other Projects	e. Disposed as Public Fill (see Note 10)	f. Imported Fill	<b>g. Metals</b> (see Note 5)	h. Paper / Cardboard Packaging (see Note 5)	i. Plastics (see Note 3) (see Note 5)	j. Chemical Waste	k. Others, e.g. general refuse		
(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )		

Notes: (1) The performance target are given in PS Clause 6(14)

(2) The waste flow table shall also include C&D materials that are not specified in the Contract to be imported for use at the Site

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

(4) The Contractor shall also submit the latest forecast of the amount of C&D materials expected to be generated from the Works, together with a break down of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000m3.

(5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered collector for recycling.

(6) Conversion factors for reporting purpose:

in-situ: rock = 2.5 tonnes/m<sup>3</sup>; soil = 2.0 tonnes/m<sup>3</sup>

excavated: rock = 2.0 tonnes/m<sup>3</sup>; soil = 1.8 tonnes/m<sup>3</sup>; broken concrete and bitumen = 2.4 tonnes/m<sup>3</sup>

C&D Waste =  $0.9 \text{ tonnes/m}^3$ ; bentonite slurry =  $2.8 \text{ tonnes/m}^3$ 

(7) Numbers are rounded off to the nearest three decimal places

(8) The "Total Quantity Generated" equals to the sum of "Reuse in the Contract", "Reuse in Other Projects" and "Disposed as Public Fill"

(9) The "Hard Rock and Large Broken Concrete" were disposed as public fill

(10) The amount in "Disposed as Public Fill" included the "Hard Rock and Large Broken Concrete" disposed as public fill

Monthly Summary Waste Flow Table for 2016 - Rev.00 - 22/01/2016



#### Monthly Summary Waste Flow Table for 2018

			&D Waste o (in tonnes) (	-			disp	C&D Waste osal 生廢物 nnes)		Waste t	o be recycle	d and returr	ned / 可再循	環利用或回	收的廢物			
Month	Pack	<b>ckfilling)</b> ぐ工程	Reused Proj 再用於封	ects	(e.g. soi concrete, materi 墮性 (如泥,石	al etc.) :廢物	(e.g. gene broken for 其	,		tals 屬		istic ]膠	pack	ardboard aging 边裝紙類		al Waste B廢物	Gene	Quantity erated 连產量
	(t	<b>)</b>	(0	c)	(0	(b	(	e)	(in to	nnes)	(in to	nnes)	(in to	nnes)	(in	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	0.020	0.020	0.005	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
February	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015	0.005	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
March																		
April																		
May																		
June																		
July																		
August																		
September																		
October																		
November																		
December																		
Total	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.035	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.035

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-<sup>3</sup>.



Gantry Type X-ray Vehicle Inspection System

# Highways Department Monthly Summary of Waste Flow Table in 2018

	Actua		of Inert C&D	Materials G	enerated / In	nported	Actual Quan	tities of Othe	er C&D Mat	erials / Wast	es Generatec
Month	Total Quantity Generated	Rocks and Large Broken	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/Card- board packaging	Plastic	Chemical Waste	Others. e.g. general refuse, plastic
	(in '000m <sup>3</sup> )		(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
Jan 2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Feb 2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mar 2018											
Apr 2018											
May 2018											
Jun 2018											
Half-year											
total											
Jul 2018											
Aug 2018											
Sep 2018											
Oct 2018											
Nov 2018											
Dec 2018											
Yearly Total											



# **APPENDIX F**

**Environmental Licenses and Permits** 



Environmental License/ Permits /Notification Register

Contract No. HY/2014/05 – Hong Kong Zhuhai and Macao Bridge Hong Kong Boundary Crossing Facilities – Remaining Ancillary Buildings and Facilities

				1			Date: Februa	ary 2018	
ltem No.		mit/License o Applica	r Registration tion	Permit/License/ Notification/	Permit/License/ Registration	Issue/Start Date	Expiry Date	Issuing Office	Remark
NO.	Work Area	Date	Reference	Registration Description	Number	Date	Date		
1	All Areas	30 Jun 2015	N/A	Environmental Permit to construct the Remaining Ancillary Buildings and Facilities and associated works of the Hong Kong Zhuhai and Macao Bridge Boundary Crossing Facilities	EP-353/2009/I	17 Jul 15	N/A	EPD	Superseded by EP-353/2009/J
2	All Areas	18 Feb 2016	N/A	Environmental Permit to construct the Remaining Ancillary Buildings and Facilities and associated works of the Hong Kong Zhuhai and Macao Bridge Boundary Crossing Facilities	EP-353/2009/J	25 Feb 2016	N/A	EPD	Superseded by EP-353/2009/K
3	All Areas	24 Mar 2016	N/A	Environmental Permit to construct the Remaining Ancillary Buildings and Facilities and associated works of the Hong Kong Zhuhai and Macao Bridge Boundary Crossing Facilities	EP-353/2009/K	11 Apr 2016	N/A	EPD	-
4	All Areas	30 Dec 15	N/A	Billing Account for disposal of construction waste	7024342	16 Feb 16	N/A	EPD	-



LCAL H2642

Environmental License/ Permits /Notification Register

							Date: Februa	ary 2018	
Item	Per	mit/License c Applica	or Registration ation	Permit/License/ Notification/	Permit/License/ Registration	Issue/Start Date	Expiry Date	Issuing Office	Remark
No.	Work Area	Date	Reference	Registration Description	Number	Date	Date		
5	All Areas	30 Dec 15	RABF-LTR- EPD- 000001	<u>Notification</u> that notifiable works are anticipated to commence (Form NA).	Acknowledge Receipt Ref. No. 397571	06 Jan 16	N/A	EPD	-
6	All Areas	04 Jan 16	RABF-LTR- EPD- 000002	Registration as Chemical Waste Producer for disposal of spent batteries, used lubrication oil and surplus paint at RABF area	WPN 5213-951- L2846-02	19 Feb 16	N/A	EPD	-
7	All Areas	25 Jan 16	RABF-LTR- EPD- 000003	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0106-16	11 Feb 16	10 Aug 16	EPD	Superseded by GW-RS0476-16
8	All Areas	08 May 16	RABF-LTR- EPD- 000012	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0476-16	19 May 16	18 Nov 16	EPD	Superseded by GW-RS0666-16



Environmental License/ Permits /Notification Register

							Date: Februa	ary 2018	
Item	Per	mit/License c Applica	or Registration ation	Permit/License/ Notification/	Permit/License/ Registration	Issue/Start	Expiry	Issuing Office	Remark
No.	Work Area	Date	Reference	Registration Description	Number	Date	Date	U U	
9	All Areas	16 Jun 16	RABF-LTR- EPD- 000015	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non- designated area)	GW-RS0666-16	04 Jul 16	03 Jan 17	EPD	Superseded by GW-RS0907-16
10	All Areas	18 Aug 16	RABF-LTR- EPD- 000018	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non- designated area)	GW-RS0907-16	01 Sep 16	28 Feb 17	EPD	Superseded by GW-RS1195-16
11	All Areas	16 Nov 16	RABF-LTR-EPD- 000020	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non- designated area)	GW-RS1195-16	30 Nov 16	29 May 17	EPD	Superseded by GW-RS1315-16
12	All Areas	08 Dec 16	RABF-LTR-EPD- 000023	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non- designated area)	GW-RS1315-16	22 Dec 16	21 Jun 17	EPD	Superseded by GW-RS0131-17

Environmental License/ Permits /Notification Register

							Date: Februa	ary 2018	
ltem No.	Per Work	Applica		Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	lssue/Start Date	Expiry Date	Issuing Office	Remark
	Area	Date	Reference						
13	WA3	13 Jan 17	RABF-LTR-EPD- 000026	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00. (Non-designated area)	GW-RS0070-17	27 Jan 17	26 Jul 17	EPD	Superseded by GW-RS0626-17
14	All areas	03 Feb 17	RABF-LTR-EPD- 000028	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non- designated area)	GW-RS0131-17	17 Feb 17	16 Aug 17	EPD	Superseded by GW-RS0306-17
15	All areas	20 Mar 17	RABF-LTR-EPD- 000035	<b>CNP</b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Nondesignated area)	GW-RS0306-17	05 Apr 17	02 Oct 17	EPD	Superseded by GW-RS0435-17
16	All areas	05 May 17	RABF-LTR-EPD- 000036	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non- designated area)	GW-RS0435-17	20 May 17	16 Nov 17	EPD	Superseded by GW-RS0710-17



Environmental License/ Permits /Notification Register

							Date: Februa	ary 2018	
ltem No.		mit/License c Applica	or Registration ation	Permit/License/ Notification/	Permit/License/ Registration	Issue/Start Date	Expiry Date	Issuing Office	Remark
NO.	Work Area	Date	Reference	Registration Description	Number	Date	Date		
17	WA3	28 Jun 17	RABF-LTR-EPD- 000041	<u>CNP</u> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00. (Non-designated area)	GW-RS0626-17	27 Jul 17	26 Jan 18	EPD	Expired
18	All areas	03 Aug 17	RABF-LTR-EPD- 000042	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non- designated area)	GW-RS0710-17	21 Aug 17	16 Feb 18	EPD	Expired
19	WA3	11 Jan 18	RABF-LTR-EPD- 000046	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00. (Non-designated area)	GW-RS0050-18	27 Jan 18	26 Jul 18	EPD	-
20	All areas	31 Jan 18	RABF-LTR-EPD- 000048	<b><u>CNP</u></b> for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Nondesignated area)	GW-RS0112-18	17 Feb 18	16 Aug 18	EPD	-



### ATAL Technologies Limited

**ØATAL** 

LCAL H2642

### Environmental License/ Permits /Notification Register

### **Contract No. HY/2013/06 – Hong Kong Zhuhai and Macao Bridge - HKBCF – Automatic Vehicle Clearance Support System**

							Date: 28 Feb	2018	
lte m	Permit/L	icense or Reg Application	gistration	Permit/License/ Notification/	Permit/License/ Registration	Issue/Start	Expiry	Issuing Office	Remark
No.	Work Area	Date	Reference	Registration Description	Number	Date	Date		
1	HZMB-HK Boundary Crossing Facilities	31 July 2015	WFG14980	Disposal of Construction Waste Billing Account	7023015	20 August 2015		EPD	
2	HZMB-HK Boundary Crossing Facilities	14 Nov 2017	EP831/N09/R S1037-17	Construction Noise Permit	GW-RS1037-17	1 Dec 2017	30 May 2018	EPD	

Rapiscan Systems Pte Ltd (RS)



Environmental License/ Permits /Notification Register

# Contract No. HY/2014/04 – Hong Kong Zhuhai and Macao Bridge Hong Kong Boundary Crossing Facilities – Gantry Type X-ray Vehicle Inspection System

							Date: Febru	ıary 2018	
ltem	Permit/L	icense Applic	or Registration ation	Notification/	Permit/License/ Registration	Issue/Start	Expiry	Issuing Office	Remark
No.	Work Area	Date	Reference	Registration Description	Number	Date	Date		
1	All Areas	23 Aug 2016	N/A	<b>Billing Account</b> for disposal of construction waste	7025930	20 Sep 2016	N/A	EPD	
2	Building 058,059	27 Jul 2017	N/A	Construction Noise Permit(CNP)	GW-RS0640-17	6 Aug 2017	4 Feb 2018	EPD	



# **APPENDIX G**

Implementation Schedule for Environmental Mitigation Measures (EMIS)



#### Contract No. HY/2014/05 – Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Remaining Ancillary Buildings and Facilities

#### Implementation Schedule for Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
Air Quality								
S5.5.6.1	A1	<ol> <li>The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation</li> </ol>	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	To control the dust impact to within the HKAQO and TM- EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 µgm <sup>-3</sup> and 260 µgm <sup>-3</sup> , respectively)	$\checkmark$
S5.5.6.2	A2	<ol> <li>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> </ol>	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	To control the dust impact to within the HKAQO and TM- EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 µgm <sup>-3</sup> and 260 µgm <sup>-3</sup> , respectively)	V

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	for the measures to achieve?	Implementation Status
S5.5.6.2	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 to enclose 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 top and the 3 sides;</li> </ul>	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	To control the dust impact to within the HKAQO and TM- EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 µgm <sup>-3</sup> and 260 µgm <sup>-3</sup> , respectively)	

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?		Implementation Status
S5.5.6.2	A2	<ul> <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 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 or part of the construction site where the exposed earth lies.</li> </ul>	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	To control the dust impact to within the HKAQO and TM- EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 µgm <sup>-3</sup> and 260 µgm <sup>-3</sup> , respectively)	V
S5.5.6.4	A3	The Contractor should undertake proper watering on all exposed spoil (with at least 8 times per day) throughout the construction phase.	Control construction dust	Contractor	All construction sites	Construction stage	To control the dust impact	N
S5.5.6.5	A4	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.	Control construction dust	Engineer	All construction sites	Design Stage	Air Pollution Control (Construction Dust) Regulation	V
S5.5.6.5	A5	Implement regular dust monitoring under EM&A programme during the construction stage.	Monitor the 24 hr and 1hr TSP levels at the representative dust monitoring stations to ensure compliance with relevant criteria throughout the construction period.	Contractor	Selected representative dust monitoring station	Construction stage	<ul> <li>Air Pollution Control (Construction Dust) Regulation</li> <li>To control the dust impact to within the HKAQO and TM-EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 µgm<sup>-3</sup> and 260 µgm<sup>-3</sup>, respectively)</li> </ul>	√ (The dust monitoring at AMS6 under EM&A Programme for the Contract is covered by Contract No. HY/2011/03 while the dust monitoring at AMS7 under EM&A Programme for the Contract is covered by Contract No. HY/2013/01.)

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	measures?	What requirements or standards for the measures to achieve?	Implementation Status
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 receiving hoppers should be enclosed on three sides up to 3m above unloading point;</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>	Monitor the 24 hr and 1hr TSP levels at the representative dust monitoring stations to ensure compliance with relevant criteria throughout the construction period.	Contractor	Selected representative dust monitoring station	Construction stage	<ul> <li>Air Pollution Control (Construction Dust) Regulation</li> <li>To control the dust impact to within the HKAQO and TM-EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 µgm<sup>-3</sup> and 260 µgm<sup>-3</sup>, respectively)</li> </ul>	N/A
S5.5.2.7	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>	Control construction dust	Contractor	All construction sites	Construction stage	Air Pollution Control (Construction Dust) Regulation	N/A

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
Construct		(Air borne)						
S6.4.10	N1	<ol> <li>Use of good site practices to limit noise emissions by considering the following:         <ul> <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 aminimum;</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> <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> </li> </ol>	Control construction airborne noise by means of good site practices	Contractor	All construction sites	Construction stage	Noise Control Ordinance	
S6.4.11	N2	<ol> <li>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.</li> </ol>	Reduce the construction noise levels at low-level zone of NSRs through partial screening.	Contractor	All construction sites	Construction stage	Noise Control Ordinance     Annex 5, TM- EIA	N/A
\$6.4.12	N3	3) Install movable noise barriers (typically density @ 14kg/m <sup>2</sup> ), acoustic mat or full enclosure close to noisy plants including air compressor, generators, saw.	Screen the noisy plant items to be used at all construction sites	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	<ul> <li>Noise Control Ordinance</li> <li>Annex 5, TM- EIA</li> <li>75dB(A) for residential premises</li> <li>The movable barrier should achieve at least 5dB(A) and the full enclosure should be</li> </ul>	N/A

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
S6.4.13	N4	4) Select "Quiet plants" which comply with the BS 5228 Part 1 or TM standards.	Reduce the noise levels of plant items	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	stage	<ul> <li>Noise Control Ordinance &amp; its TM</li> <li>Annex 5, TM- EIA</li> </ul>	V
S6.4.14	N5	5) Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	Noise Control Ordinance     Annex 5, TM- EIA	V
1	N6	6) Implement a noise monitoring under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected representative noise monitoring station	Construction stage	<ul> <li>Noise Control Ordinance</li> <li>Annex 5, TM- EIA</li> <li>75dB(A) for residential premises</li> </ul>	√ (The noise monitoring at NMS2 and NMS3B under EM&A programme for the Contract are covered by Contract No. HY/2013/01.)
Sediment	·			L	L		•	
S7.3	S1	<ol> <li>The requirements as recommended in ETWB TC 34/2002 Management of Dredged/Excavated Sediment shall be included in the Particular Specification as appropriate.</li> </ol>	Develop sediment disposal arrangement	Engineer	All construction sites	Design stage	Waste Disposal Ordinance     ETW B TC 34/2002	N/A

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
Waste Man	agement (	Construction Waste)		•				
S8.3.8	WM1	<ul> <li>Construction and Demolition Material</li> <li>The following mitigation measures should be implemented in handling the waste:</li> <li>Maintain temporary stockpiles and reuse excavated fill material for backfilling andreinstatement;</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>Adopt 'Selective Demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible;</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 ETW BTC (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 disposal sites to the Project Proponent and get its approval before implementation.</li> </ul>	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETW BTC 19/2005	

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
\$8.3.9- \$8.3.11	WM2	<ul> <li><u>C&amp;D Waste</u></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</li> </ul>	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	<ul> <li>Land (Miscellaneous Provisions) Ordinance</li> <li>Waste Disposal Ordinance</li> <li>ETWB TC 19/2005</li> </ul>	V
		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 segregation and storage.						
\$8.2.12- \$8.3.15	WM3	<ul> <li><u>Chemical Waste</u></li> <li>Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) 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 labelled 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</li> </ul>	Control the chemical waste and ensure proper storage, handling and disposal.	Contractor	All construction sites	Construction stage	<ul> <li>Waste Disposal (Chemical Waste) General) Regulation</li> <li>Code of Practice on the Packaging, Labelling and Storage of Chemical Waste</li> </ul>	~
		that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated.						

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
		<ul> <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 a 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> </ul>						V
S8.3.16	WM4	<ul> <li><u>Sewage</u></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>	Proper handling of sewage from worker to avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	Waste Disposal Ordinance	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 bylaw.</li> <li>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.</li> <li>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. In addition, waste separation facilities for paper, aluminum cans, plastic bottles etc., should be provided.</li> <li>Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including reduction, reuse and recycling of wastes.</li> </ul>	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	Waste Disposal Ordinance	

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
Water Qual	ity (Constr	uction Phase)						
Water Qual		<ul> <li>uction Phase)</li> <li>Land Works General construction activities on land should also be governed by standard good working practice. Specific measures to be written into the works contracts should include: <ul> <li>wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters;</li> <li>sewage effluent and discharges from on-site kitchen facilities shall be directed to Government sewer in accordance with the requirements of the W PCO or collected for disposal offsite. The use of soakaways shall be avoided;</li> <li>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;</li> <li>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 and after each rainstorm;</li> <li>temporary access roads should be surfaced with crushed stone or gravel;</li> <li>rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities;</li> <li>measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system;</li> <li>open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms;</li> </ul> </li> </ul>	To control construction water quality	Contractor	Land-based works areas	Construction stage	TM-EIAO	
		<ul> <li>discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system;</li> </ul>						

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
S9.11.1.7	W2	<ul> <li>all vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit;</li> <li>wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain;</li> <li>the section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel;</li> <li>wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects;</li> <li>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;</li> <li>the contractors shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately;</li> <li>waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance;</li> <li>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</li> <li>surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system.</li> </ul>	To control construction water quality	Contractor	Land-based works areas	Construction stage	TM-EIAO	

EIA Ref.	EM&A Log Ref	Ref Recommended Mitigation Measures		Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?		Implementation Status
Ecology (C	onstructio	Phase)							
S10.7	E4	freshwater habitats; Site runof	neration; prevention of siltation of ff should be desilted, to reduce sediments, organics and other and standing freshwater	Prevent Sedimentation from Land-based works areas	Contractor	Land-based works areas	During construction	TM-Water	V
S10.7	E5		g strictly following the permitted machines where practicable, and rring night time	Prevent disturbance to terrestrial fauna and habitats	Contractor	Land-based works areas	During construction		V
S10.7	E8	<ul> <li>Control vessel speed</li> <li>Skipper training</li> <li>Predefined and regular routes Islands.</li> </ul>	for working vessels; avoid Brother	Minimise marine traffic disturbance on dolphins	Contractor	Marine Traffic	During construction		N/A
Fisheries	1		I		L	1 1			<u> </u>
S11.7	F4	Maritime Oil Spill Response Pl     Contingency plan.	lan (MOSRP);	Minimise impacts on marine water quality impacts	Marine Department	HKBCF	During operation		N/A

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
Landscape	& Visual (	Detailed Design Phase)						
S14.3.3.1	LV1	<ul> <li>General design measures include:</li> <li>Roadside planting and planting along the edge of the HKBCF Island is proposed;</li> <li>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;</li> <li>Protection measures for the trees to be retained during construction activities;</li> <li>Optimizing the sizes and spacing of the bridge columns; Finetuning the location of the bridge columns to avoid visually-sensitivelocations;</li> <li>Maximizing new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed;</li> <li>Providing planting area around peripheral of HKBCF for tree planting screening effect;</li> <li>Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline;</li> <li>For HKBCF, providing aesthetic architectural design on the related buildings (e.g. similar materials for PCB building facade to Airport 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; and</li> <li>Fine-tuning the sizes of the structural members to minimize the buildings disturbance to surrounding vegetation in the HKBCF.</li> </ul>	Minimise visual & landscape impact	Detailed designer	HKBCF	Design Stage		N/A

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
Landscape	& Visual (C	Construction Phase)						
S14.3.3.3		<ul> <li>Mitigate both Landscape and Visual Impacts</li> <li>G1. Grass-hydroseed bare soil surface and stock pile areas.</li> <li>G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge footbridge to screen bridge and traffic. (This mitigation measure is not applicable to the Contract.)</li> <li>G3. Not applicable as this is for HKLR.</li> <li>G4. For HKBCF, providing aesthetic architectural design on the related buildings (e.g. similar materials for PCB building facade to Airport buildings, roof planting and subtle materials for other facilities buildings and so on), and the related infrastructure (e.g. parapet planting and transparent cover for elevated footbridges) to provide harmonious atmosphere of the HKBCF.</li> <li>G5. Vegetation reinstatement and upgrading to disturbed areas.</li> <li>G6. Maximizing new tree shrub and other vegetation planting to compensate tree felled and vegetation removed.</li> <li>G7. Providing planting area around peripheral of HKBCF for tree planting screening effect. (This mitigation measure is not applicable to the Contract.)</li> <li>G8. Plant salt-tolerant native and shrubs etc along the planter strip at affected seawall. (This mitigation measure is not applicable to the Contract.)</li> <li>G9. Reserve of loose natural granite rocks for re-use. Provide new coastline</li> </ul>	Minimise visual & landscape impact	Contractor	Buildings 023, 025, 032,044 and 045	Construction stage		Construction phase
S14.3.3.3	LV3	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 enchance "natural-look" of the new coastline. (This mitigation measure is not applicable to the Contract.) <u>Mitigate Visual Impacts</u> V1. Minimize time for construction activities during construction period.						for V1. N/A for V2.
		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.						

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
EM&A								
S15.2.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual.	Control EM&A Performance	Project Proponent	All construction sites		EIAO Guidance Note No.4/2002     TM-EIAO	V
S15.5 - S15.6	EM2	<ol> <li>An Environmental Team needs to be employed as per the EM&amp;A Manual.</li> <li>Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures.</li> <li>An environmental impact monitoring needs to be implementing by the Environmental Team to ensure all the requirements given in the EM&amp;A Manual are fully complied with.</li> </ol>	Perform environmental monitoring & auditing	Contractor	All construction sites		EIAO Guidance Note No.4/2002     TM-EIAO	V

Legends:  $\sqrt{}$  = Implemented; X = Not implemented; N/A = Not applicable



# **APPENDIX H**

Statistics on Environmental Complaints, Notification of Summons and Successful Prosecutions





### Statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

### For Contract No. HY/2014/05

Reporting Period	Cumulative Statistics					
	Complaints Notifications of Summons		Successful Prosecutions			
This reporting period	0	0	0			
From commencement date of contract to end of reporting month	6	0	0			

### For Contract No. HY/2013/06 within Contract No. HY/2014/05 works area

Reporting Period	Cumulative Statistics						
	Complaints	Notifications of Summons	Successful Prosecutions				
This reporting period	0	0	0				
From commencement date of contract to end of reporting month	0	0	0				



### For Contract No. HY/2014/04 within Contract No. HY/2014/05 works area

Reporting Period	Cumulative Statistics					
	Complaints Notifications of Summons		Successful Prosecutions			
This reporting period	0	0	0			
From commencement date of contract to end of reporting month	0	0	0			





# **APPENDIX I**

Environmental Site Inspection Schedule



## Contract No. HY/2014/05 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Remaining Ancillary Buildings and Facilities

### Environmental Site Inspction Schedule for March 2018

	Monday	Tueday	Wednesday	Thursday	Friday	Saturday	Sunday
Time				1-Mar	2-Mar	3-Mar	4-Mar
Time	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar
			Site Inspection				
Time	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar
			Site Inspection				
Time	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar
	Site Inspection						
Time	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	
	Site Inspection						

Contract No. HY/2013/06 (within Contract No. HY/2014/05 works area) Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Automatic Vehicle Clearance Support System

### Environmental Site Inspction Schedule for March 2018

	Monday	Tueday	Wednesday	Thursday	Friday	Saturday	Sunday
Time				1-Mar	2-Mar	3-Mar	4-Mar
Time	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar
			Site Inspection				
Time	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar
			Site Inspection				
Time	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar
	Site Inspection						
Time	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	

	Site Inspection			

Contract No. HY/2014/04 (within Contract No. HY/2014/05 works area) Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Gantry Type X-ray Vehicle Inspection System

Environmental Site Inspction Schedule for March 2018

	Monday	Tueday	Wednesday	Thursday	Friday	Saturday	Sunday
Time				1-Mar	2-Mar	3-Mar	4-Mar
Time	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar
			Site Inspection				
Time	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar
			Site Inspection				
Time	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar
	Site Inspection						
Time	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	
	Site Inspection						