



中國港灣工程有限責任公司

香港代表：振華工程有限公司

CHINA HARBOUR ENGINEERING COMPANY LIMITED
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD.

Date : 29 September 2016
Our Ref. : CHEC300/OUT/2016/09/04.05/015166

By Hand

AECOM Asia Company Limited
8/F Grand Central Plaza
Tower 2, 138 Shatin Rural Committee Road
Shatin, Hong Kong

Attn: Mr. Michael Tovey
The Engineer's Representative

Dear Sir,

Contract No. HY/2013/03
Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities –
Vehicle Clearance Plazas and Ancillary Buildings and Facilities
EP Condition 5.4 – Quarterly EM&A Report (June - August 2016)

Pursuant to the Condition 5.4 of the EP-353/2009/K, we are pleased to submit one soft copy and three copies of the certified Quarterly EM&A Report (Rev.1) for June to August 2016 for your on-ward submission.

Thank you for your kind attention.

Yours faithfully,
For and on behalf of
China Harbour Engineering Co. Ltd.


Paul PUI
Site Agent

PP/FH/MC/VM/DW/mt

Encl.

28 September 2016

By Fax (3468 2076) and By Post

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

Attention: Mr. Michael Tovey

Dear Sir,

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

**Contract No. HY/2013/03 – HZMB HKBCF – Vehicle Clearance Plazas and
Ancillary Buildings and Facilities
Quarterly EM&A Report No.4 for June 2016 to August 2016**

Reference is made to the Environmental Team's submission of Quarterly Environmental Monitoring & Audit Report No.4 for June 2016 to August 2016 (Rev. 1) certified by the ET Leader (ET's ref.: "MCL/ED/0562/2016/C" dated 27 September 2016) and provided to us via e-mail on 27 September 2016.

We are pleased to inform you that we have no adverse comment on the captioned report. We write to verify the captioned submission in accordance with Section 16.4.1 of the Updated EM&A Manual (2011).

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

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



Raymond Dai
Independent Environmental Checker

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

Internal: DY, YH, ENPO Site

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Website : www.materiallab-consultant.com

Date 27 September 2016
Our Ref. MCL/ED/0562/2016/C

Ramboll Environ Hong Kong Limited
(formerly ENVIRON Hong Kong Limited)
Room 2403, 24/F, Jubilee Centre,
18 Fenwick Street, Wan Chai,
Hong Kong

BY HAND

Attn.: Mr. Raymond Dai, IEC

Dear Sir,

**Quarterly EM&A Report for June 2016 to August 2016
Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities --
Vehicle Clearance Plazas and Ancillary Buildings and Facilities (Contract No. HY/2013/03)**

Pursuant to Section 16.4 of the updated EM&A Manual for Hong Kong Boundary Crossing Facilities (Version 1.0) covering the captioned contract, we are pleased to submit the certified Quarterly EM&A Report for June 2016 to August 2016 (Rev.1) for your verification.

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

Yours faithfully,
for and on behalf of
MATERIALAB CONSULTANTS LIMITED


Arthur Cheng
Environmental Team Leader

AC/by

Encl.

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

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Report No.: 0165/15/ED/0562

**QUARTERLY ENVIRONMENTAL MONITORING & AUDIT
REPORT (Rev. 1)**

June 2016 to August 2016

Client: China Harbour Engineering Co., Ltd.

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

Report No.: 0165/15/ED/0562

Prepared by: Sandra Pang

Reviewed by: Bong Yu

Certified by:



Arthur Cheng
Environmental Team Leader

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Report No.: 0165/15/ED/0562

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Report No.: 0165/15/ED/0562

EXECUTIVE SUMMARY

This Quarterly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. HY/2013/03 "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Vehicle Clearance Plazas and Ancillary Buildings and Facilities" (hereafter referred to as "the Contract") for the Highways Department of Hong Kong Special Administrative Region (HKSAR). The Contract was awarded to China Harbour Engineering Co. Limited (hereafter referred to as "the Contractor") and MaterialLab Consultants Limited (MCL) was appointed as the Environmental Team (ET) by the Contractor.

The Contract is part of the "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities" (HZMB HKBCF) Project which is a "Designated Project" under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499) and for which an EIA Report (Register No. AEIAR-145/2009) was prepared and approved. The current Environmental Permit (EP) for HKBCF, namely No. EP-353/2009/K, was issued on 11 April 2016. These documents are available through the EIA Ordinance Register. Commencement of the Contract took place on 10 April 2015 while the construction works and the EM&A programme of this Contract commenced on 29 August 2015.

MaterialLab Consultants Limited (MCL) has been appointed by the Contractor to implement the Environmental Monitoring & Audit (EM&A) programme for the Contract in accordance with the Updated EM&A Manual for HKBCF (Version 1.0) and will be providing environmental team services for the Contract. This is the 4th Quarterly EM&A Report for the Contract which summaries findings of the EM&A works during the reporting period from 01 June 2016 to 31 August 2016 (the "reporting period").

Environmental Monitoring and Audit Progress

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

The dates of site inspection during the reporting period are listed below:

Environmental Site Inspection:

- 03, 10, 17, 24 and 30 June 2016
- 08, 15, 22 and 29 July 2016
- 05, 12, 19 and 26 August 2016

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 is reported in the monthly EM&A report prepared by Contract No. HY/2011/03.

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

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

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

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

Complaint Log

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

Notifications of Summons and Successful Prosecutions

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

Reporting Changes

There was no reporting change during the reporting period.

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1. INTRODUCTION

1.1 Basic Project Information

1.1.1 This Quarterly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. HY/2013/03 "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Vehicle Clearance Plazas and Ancillary Buildings and Facilities" (hereafter referred to as "the Contract") for the Highways Department of Hong Kong Special Administrative Region (HKSAR). The Contract was awarded to China Harbour Engineering Co. Limited (hereafter referred to as "the Contractor") and MaterialLab Consultants Limited (MCL) was appointed as the Environmental Team (ET) by the Contractor.

1.1.2 The Contract is part of the "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities" (HZMB HKBCF) Project which is a "Designated Project" under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499) and for which an EIA Report (Register No. AEIAR-145/2009) was prepared and approved. The current Environmental Permit (EP) for HKBCF, namely No. EP-353/2009/K, was issued on 11 April 2016. These documents are available through the EIA Ordinance Register. Commencement of the Contract took place on 10 April 2015 and the construction works commenced on 29 August 2015. The works areas of the contract are shown in **Appendix A**.

1.1.3 This is the 4th Quarterly EM&A Report summarising the findings of EM&A activities conducted under the Contract from 01 June 2016 to 31 August 2016 (the "reporting period") and is submitted to fulfil Condition 16.4 of the Updated EM&A Manual for HKBCF.

1.2 Project Organisation

1.2.1 The organisation chart and lines of communication with respect to the on-site environmental management structure together with the contact information of the key personnel are shown in **Appendix B**. The key personnel contact names and numbers are summarized in **Table 1.1**.

Table 1.1 Contact Information of Key Personnel

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

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1.3 Construction Programme

1.3.1 The Construction Works Programme of the Project 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:

June 2016

- i. Site Investigation at Portion G;
- ii. Piling at Portion A1, STP, G (Bridge A1 – A5, A7b, A8 & A9);
- iii. Building at Portion A1 & G;
- iv. CUE Construction, Drainage & Sewerage Work, Radiation Screen Wall and Sign Gantry Footing at Portion B;
- v. Bridge Construction, High Mast Lighting Foundation, Pumping Station & Box Culvert D at Portion G; and
- vi. Marine sediment excavation activities from the land-based works and corresponding disposal at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee.

July 2016

- i. Site Investigation at Portion G;
- ii. Piling at Portion A1, STP, G (Bridge A1 – A5, A7b, A8 & A9);
- iii. Building at Portion A1 & G;
- iv. CUE Construction, Drainage & Sewerage Work, Radiation Screen Wall and Sign Gantry Footing at Portion B;
- v. Bridge construction, High Mast Lighting Foundation, Pumping Station & Box Culvert D at Portion G; and
- vi. Marine sediment excavation activities from the land-based works and corresponding disposal at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee.

August 2016

- i. Site Investigation at Portion G;
- ii. Piling at Portion C, STP, Area G (Bridge A1 – A5, A7b, A8 & A9), Box Culvert B & C;
- iii. Building at Portion A1, B, G, STP & Pumping Stations;
- iv. CUE Construction at Portion B, C & J;
- v. Drainage & Sewerage Work at Portion B, H1, H2, G & A1;
- vi. Radiation Screen Wall and Sign Gantry Footing at Portion B;
- vii. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert D at Portion G;
- viii. Bridge Works at A1 to A6;
- ix. Site Foundation Works at Portion K;
- x. Cover Walkway at Portion H1 & H2; and
- xi. Marine sediment excavation activities from the land-based works and corresponding disposal at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee.

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2. EM&A REQUIREMENTS

2.1 Summary of EM&A Requirements

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

2.1.2 A summary of air and noise monitoring locations are presented in **Table 2.1**. The location of air quality and noise monitoring stations are shown as in **Figure 1** and **Figure 2**, respectively.

Table 2.1 Air Quality and Noise Monitoring Locations

Environmental Monitoring	Identification No.	Location Description
Air Quality	AMS6(1)	Dragonair/CNAC (Group) Building (A80)
	AMS7(1)	Hong Kong SkyCity Marriott Hotel
Noise	NMS2(2)	Seaview Crescent
	NMS3B(2) (3)	Site Boundary of Site Office Area at WA2

Remarks:

- (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 latest notification from ENPO when the monitoring station(s) is/are no longer covered by another ET of the HZMB project.
- (2) 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.
- (3) The Action and Limit Levels for schools will be applied for this alternative monitoring location.

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/2010/02 and HY/2011/03.

2.3 Action and Limit Levels

2.3.1 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 2.2 Action and Limit Levels for 1-hour TSP

Monitoring Station	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
AMS6	360	500
AMS7	370	

Table 2.3 Action and Limit Levels for 24-hour TSP

Monitoring Station	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
AMS6	173	260
AMS7	183	

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- 2.3.2 If exceedance(s) at these stations is/are recorded by the ET of the Contract or referred by the other ET under the HZMB project to the Contract, the ET of the Contract will carry out an investigation and findings will be reported in the quarterly EM&A Report.
- 2.3.3 The Action and Limit Levels for construction noise are defined in **Table 2.4**.

Table 2.4 Action and Limit Level for Construction Noise

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

Notes:

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

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

- 2.3.4 If exceedance(s) at these stations is/are recorded by the ET of the Contract or referred by the other ET under the HZMB project to the Contract, the ET of the Contract will carry out an investigation and findings will be reported in the quarterly EM&A Report.

2.4 Event and Action Plans

- 2.4.1 The event and action plans for air quality and noise are provided in **Appendix D**.

2.5 Mitigation Measures

- 2.5.1 Environmental mitigation measures for the contract were recommended in the approved EIA Report. **Appendix E** lists the recommended mitigation measures and the implementation status.

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3. ENVIRONMENTAL MONITORING AND AUDIT

3.1 Air Quality Monitoring Results

3.1.1 The monitoring results for AMS6 and AMS7 are reported in the monthly EM&A Reports (for June 2016, July 2016 and August 2016) prepared for Contract Nos. HY/2011/03 and HY/2010/02 respectively.

3.1.2 Summary of Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level at AMS6 is reported in the monthly EM&A Reports (for June 2016, July 2016 and August 2016) prepared by Contract No. HY/2011/03.

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

3.2 Noise Monitoring Results

3.2.1 The monitoring results for NMS2 and NMS3B are reported in the monthly EM&A Reports (for June 2016, July 2016 and August 2016) prepared for Contract No. HY/2010/02.

3.2.2 No noise exceedances were recorded at stations NMS2 and NMS3B by the ET of Contract No. HY/2010/02 during the reporting period.

3.3 Water Quality Monitoring Results

3.3.1 There was no marine works conducted during the reporting period and therefore, no relevant monitoring result is reported. However, ET of the Contract shall closely monitor on the status of marine works, which shall conduct monitoring when marine works commence in the future.

3.3.2 The ET of the Contract is required to conduct impact water quality monitoring as part of EM&A programme if water quality monitoring is no longer covered by another ET of the HZMB project. The ETL shall review and obtain IEC, ENPO and EPD agreement on the contract specific water quality monitoring works at least a month before the commencement of any marine works.

3.4 Ecology Monitoring Results

3.4.1 There was no marine works conducted, which impacted to the ecology during the reporting period and therefore, no relevant monitoring result is reported. However, ET of the Contract shall closely monitor on the status of marine works, which shall conduct monitoring when marine works commence in the future.

3.4.2 The ET of the Contract is required to conduct ecology monitoring as part of EM&A programme if ecology monitoring is no longer covered by another ET of the HZMB project. The ETL shall review and obtain IEC, ENPO, AFCD and EPD agreement on the contract specific marine ecology monitoring works at least a month before the commencement of any marine works.

3.5 Implementation of Environmental Measures

3.5.1 In response to the site audit findings, the Contractor carried out corrective actions. Details of site audit findings and the corrective actions during the reporting period are presented in **Appendix F**.

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- 3.5.2 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix E**. All necessary mitigation measures at this stage of works were implemented properly.
- 3.5.3 Implementation status of Regular Marine Travel Route Plan (RMTRP) was checked by ET. Training of marine travel route for marine vessels operator was given to relevant staff and relevant records were kept properly. Marine traffic records which indicated the number of trips data for pelican barge, hopper barge, tug boat and floating concrete batching plant on the implementation of RMTRP from June 2016 to August 2016 were checked by ET. Marine traffic records of June 2016, July 2016 and August 2016 were provided by Contractor to ER, IEC/ENPO for checking within the month of July 2016, August 2016 and September 2016 respectively.
- 3.5.4 With respect to condition 3.26A of EP-353/2009/K approved by EPD on 11 April 2016, the numbers and operating periods of floating grout production facilities and floating concrete batching plants on-site to review on the compliance to this EP condition were checked. Under Contract No. HY/2013/03, one floating concrete batching plant was operated on-site during the reporting period.
- 3.6 Advice on the Solid and Liquid Waste Management Status**
- 3.6.1 The Contractor registered as a chemical waste producer for the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.
- 3.6.2 No extracted marine sediment was treated using cement solidification/stabilisation (Cement S/S) techniques under Contract No. HY/2013/03 during this reporting period. The marine sediment extracted from this Contract was disposed to the Marine Fill Committee (MFC) allocated disposal sites directly without treatment during this reporting period. As a practical means, the disposal operation is managed by one contractor who is also responsible for applying dumping permit and its subsequent extension applications from EPD. Contract No. HY/2013/03 has been assigned to coordinate and arrange for disposal of extracted marine sediment from all three Contracts (Contract Nos. HY/2013/02, HY/2013/03 and HY/2013/04).
- 3.6.3 The barge for disposal of marine sediment was moored at the temporary loading and unloading at the east shore of the HKBCF Island, which has been being used by reclamation contractor (Contract No. HY/2010/02) for reclamation activities. In terms of safety consideration and to avoid mixing of sediment between contracts, each dumping date was allocated to one Contract. The quantity of marine sediment disposed on each date was from one Contract.
- 3.6.4 During dumping, Contractor of Contract No. HY/2013/03 is responsible for transporting the marine sediment from the site area of Contract No. HY/2013/03 to the barge. The estimated quantity of marine sediment in each truck is confirmed by Resident Site Staff of Contract Nos. HY/2013/02, HY/2013/03 and HY/2013/04. The trip tickets for transportation and disposal of marine sediment are collected and checked. Contract No. HY/2013/03 as the dumping permit holder is responsible for reporting to EPD the quantity disposed of as the condition stipulated in the dumping permit. The disposal site allocated to this Project is the Mud Pit CMP Vd of the Confined Marine Sediment Disposal Facility to the East of Sha Chau (ESC) during this reporting period.

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3.6.5 Marine sediment extracted from bored piling from this Contract was disposed to allocated dumping site during this reporting period. The summary of marine sediment disposed during this reporting period is shown in the following table:

Table 3.1 Summary of Marine Sediment Disposed to Dumping Site

Month/Year	Quantity disposed (in '000m ³)			
	HY/2013/02	HY/2013/03	HY/2013/04	Total
Jun 2016	1.200	4.584	1.578	7.362
Jul 2016	0.728	10.728	3.690	15.146
Aug 2016	1.784	1.544	4.428	7.756
Total	3.712	16.856	9.696	30.264

3.6.6 The summary of waste flow table is detailed in **Appendix G**.

3.6.7 Contractor's site arrangement for disposal of bentonite slurry to Tseung Kwan O Area 137 Fill Bank was checked by ET and formal consent has been obtained from Tseung Kwan O Area 137 Fill Bank for receiving used bentonite slurry generated from Contract No. HY/2013/03.

3.7 Environmental Licences and Permits

3.7.1 The valid environmental licences and permits during the reporting period are summarized in **Appendix H**.

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4. SUMMARY OF EXCEEDANCES, COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTION

4.1 Summary of Exceedance of the Environmental Quality Performance Limit

4.1.1 Summary of Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level at AMS6 is reported in the monthly EM&A Reports (for June 2016, July 2016 and August 2016) prepared by Contract No. HY/2011/03.

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

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

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

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

4.2 Summary of Complaints, Notification of Summons and Successful Prosecution

4.2.1 There were no complaints received in relation to the environmental impact during the reporting period. The details of cumulative statistics of Environmental Complaints are provided in **Appendix I**.

4.2.2 No notification of summons or prosecutions was received during the reporting period.

4.2.3 Statistics on notifications of summons and successful prosecutions are summarized in **Appendix I**.

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5. COMMENTS, RECOMMENDATIONS AND CONCLUSIONS

5.1 Comments

5.1.1 According to the environmental site inspections undertaken during the reporting period, the following recommendations were provided:

- CHEC was reminded to increase watering for dust suppression at haul roads on site.
- CHEC was reminded to clear the stagnant water accumulated at the concreted area of Portion A1.
- CHEC was reminded to increase watering for dust suppression at haul roads in general.
- CHEC was reminded to enhance watering for dusty activities at Portion G.
- CHEC is reminded to remove stagnant water at CUE.
- CHEC was reminded to maintain good housekeeping on site at CUE.
- CHEC was reminded to remove stagnant water at Building 026.
- CHEC was reminded to properly store chemical on site at Building 037.
- CHEC was reminded to remove stagnant water under generator at Building 037.
- CHEC was reminded to remove stagnant water accumulated at CUE works area.
- CHEC was reminded to increase watering for dust suppression at haul roads.
- CHEC was reminded to provide the noise emission label for powered mechanical at CUE works area.
- CHEC was reminded to cover the stockpile with tarpaulin sheets near Building 037.
- CHEC was reminded to remove the stagnant water accumulated in Building 037.
- CHEC was reminded to remove stagnant water accumulated in Building 042.
- CHEC is reminded to remove stagnant water on site.
- CHEC was reminded to provide drip tray for chemical containers on site.
- CHEC was reminded to increase watering for dust suppression on site.
- CHEC was reminded to remove general refuse accumulated at A2 Bridge area.

5.1.2 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix E**. All necessary mitigation measures at this stage of works were implemented properly.

5.2 Recommendations

5.2.1 With implementation of the recommended environmental mitigation measures, the contract's environmental impacts were considered environmentally acceptable. The weekly environmental site inspections ensured that all the environmental mitigation measures recommended were effectively implemented.

5.2.2 The recommended environmental mitigation measures, as included in the EM&A programme, effectively minimize the potential environmental impacts from the contract. Also, the EM&A programme effectively monitored the environmental impacts from the construction activities and ensure the proper implementation of mitigation measures. No particular recommendation was advised for the improvement of the programme.

5.3 Conclusions

5.3.1 Commencement of the Contract took place on 10 April 2015 and the construction works of the Contract commenced on 29 August 2015. This is the 4th Quarterly EM&A Report summarising the findings of EM&A activities conducted under the Contract from 01 June 2016 to 31 August 2016.

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- 5.3.2 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 Reports (for June 2016, July 2016 and August 2016) prepared by Contract No. HY/2011/03.
- 5.3.3 There was no Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level recorded at station AMS7 by the Environmental Team of Contract No. HY/2010/02 during the reporting period.
- 5.3.4 There was no Action and Limit Level exceedance for noise recorded at station NMS2 and station NMS3B by the Environmental Team of Contract No. HY/2010/02 during the reporting period.
- 5.3.5 There was no marine works conducted during the reporting period and therefore, no water quality impact monitoring result is reported.
- 5.3.6 There was no marine works conducted during the reporting period and therefore, no ecology monitoring result is reported.
- 5.3.7 Environmental site inspection was carried out on 03, 10, 17, 24 and 30 June 2016, 08, 15, 22 and 29 July 2016, and 05, 12, 19 and 26 August 2016. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.
- 5.3.8 There were no complaints received in relation to the environmental impact during the reporting period.
- 5.3.9 There were no notifications of summons or prosecutions received during the reporting period.

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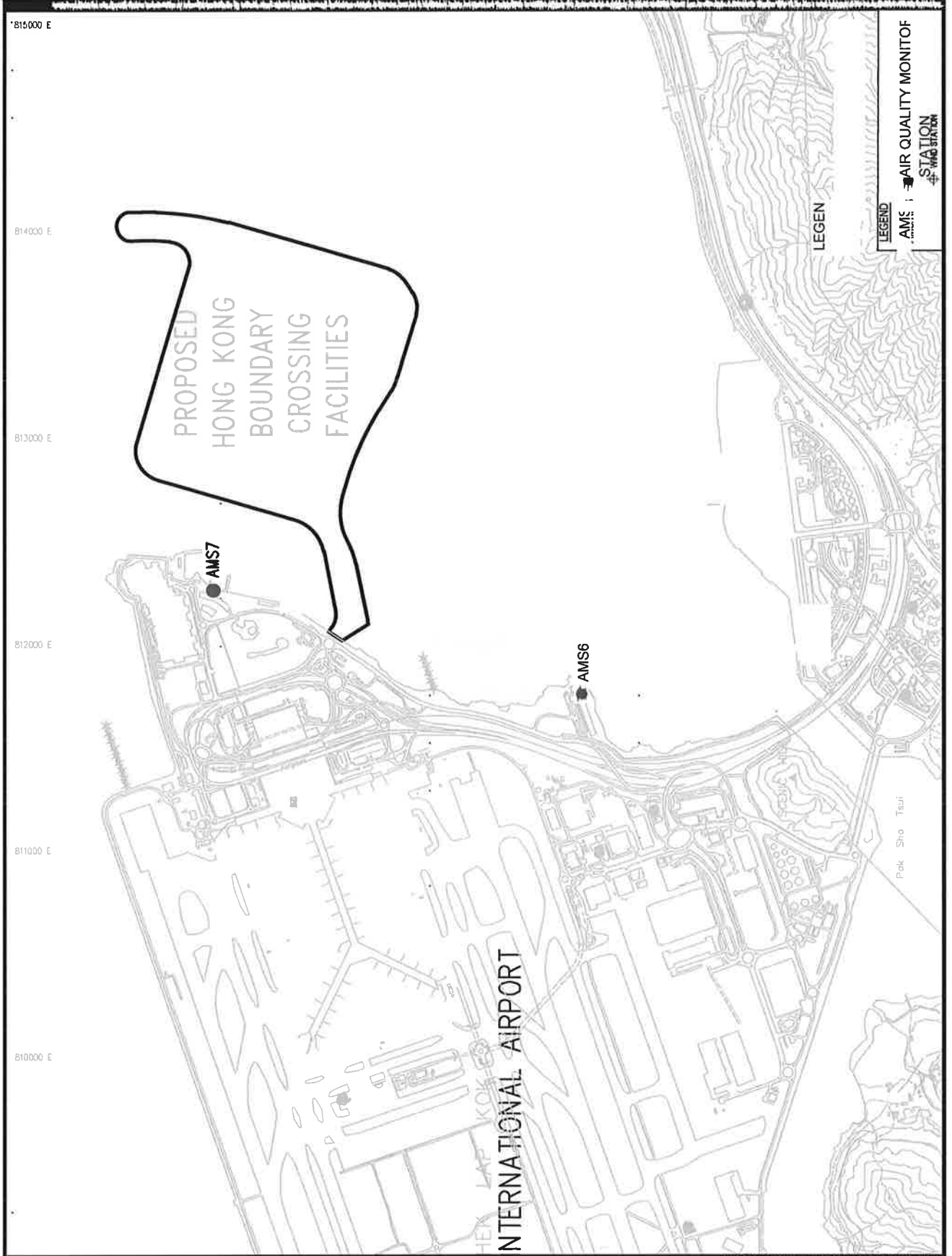
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Figure 1

Air Quality Monitoring Stations



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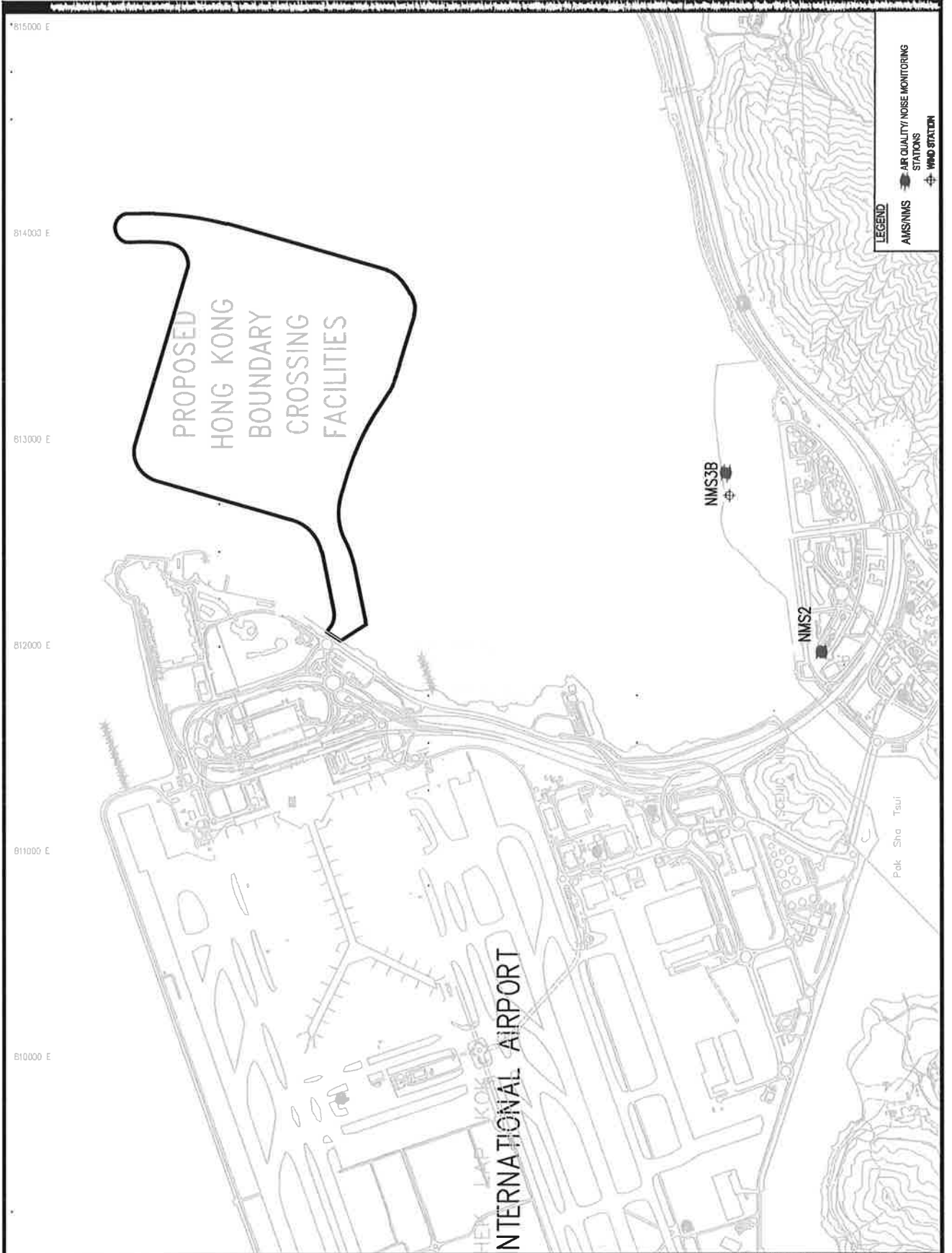
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Figure 2

Noise Monitoring Stations



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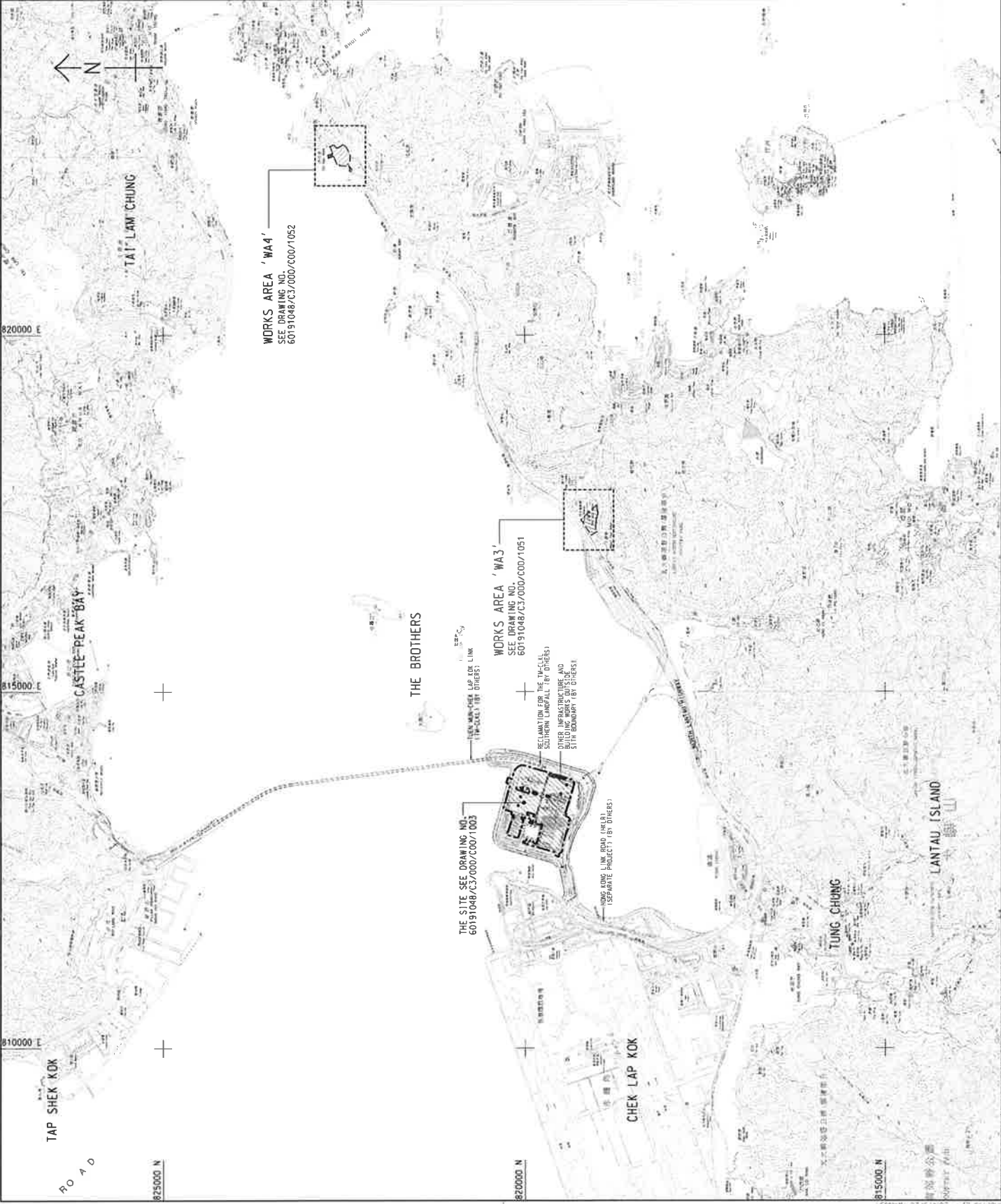
Appendix A

Location of Works Areas

NOTES:

1. COORDINATES ARE RELATED TO HONG KONG METRIC GRID (1980).
2. DIMENSIONS ARE IN METERS AND DIMENSIONS ARE IN FEET AND INCHES.
3. THE SITE BOUNDARY IS SHOWN ON THE DRAWING AND IS NOT TO BE CONSIDERED AS A SITE BOUNDARY.

LEGEND:



TECHNICAL DRAWING	SCALE	DATE
	1:1	10/2013/03



HONG KONG GOVERNMENT DEPARTMENT OF LANDS
HONG KONG BOUNDARY SURVEYING FACILITIES
AND RELATED BUILDINGS AND FACILITIES

SITE LOCATION PLAN

AECOM + **Aedas**
Rogers Stirk Harbour + Partners
BURRO HARRPOLD ATKINS ADI +

PROJECT NO. 60191048/C3/000/C00/1000
DRAWING NO. 60191048/C3/000/C00/1052
DATE 10/2013/03
SCALE 1:1
SHEET 1 OF 1
DRAWN BY [Name]
CHECKED BY [Name]
APPROVED BY [Name]

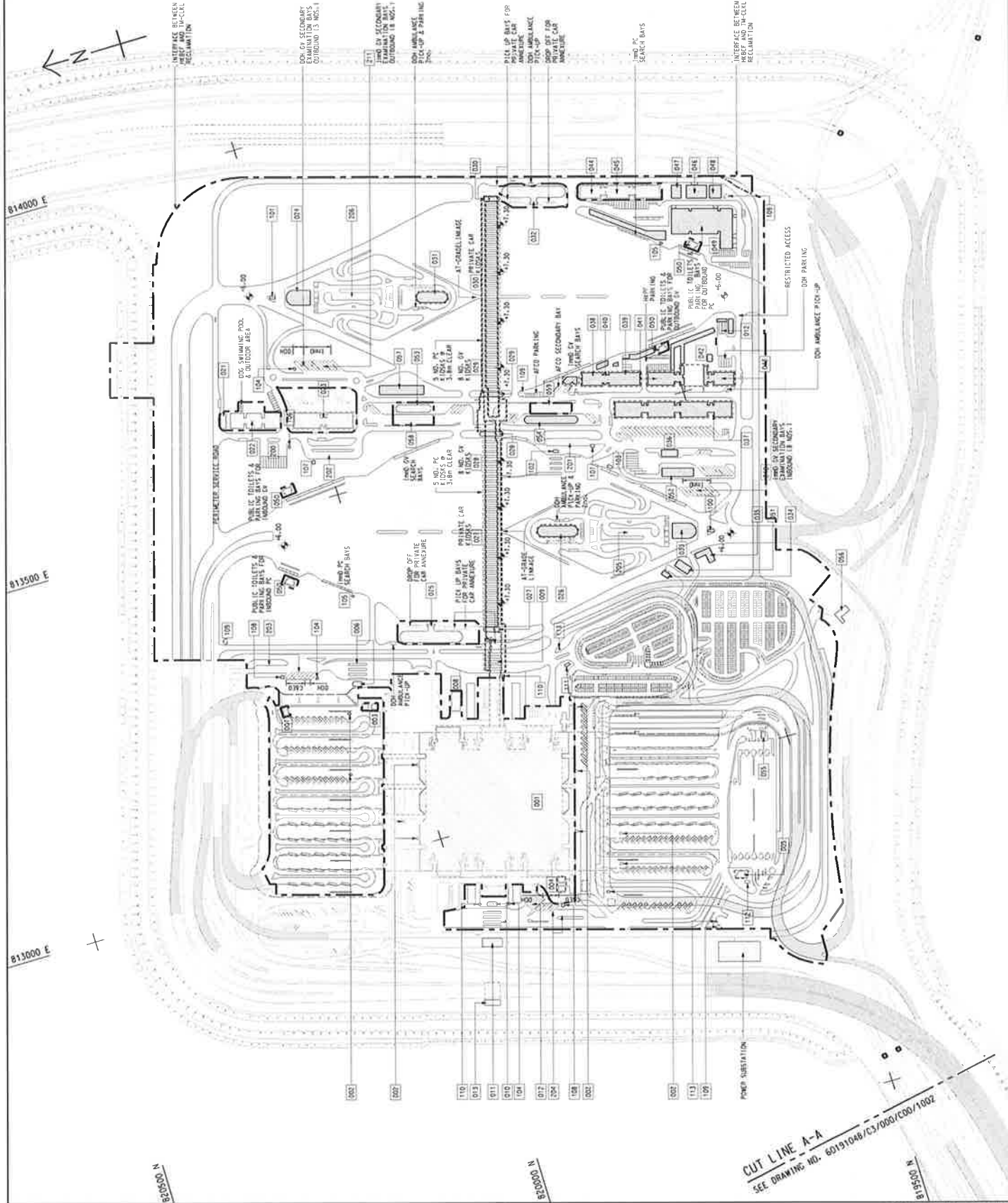
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NOTE:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NO. 60191048/C3/000/C00/1001.

LEGEND:

- SITE BOUNDARY
- - - VIADUCT
- ▭ BUILDING/FACILITIES



DATE	2014.11.14
BY	WONG
CHECKED BY	WONG
SCALE	1:1
PROJECT NO.	60191048/C3/000/C00/1001
PROJECT NAME	HONG KONG SECONDARY CROSSING FACILITIES
CLIENT	ROADS AND HIGHWAYS DEPARTMENT

ROADS AND HIGHWAYS DEPARTMENT
 HONG KONG SECONDARY CROSSING FACILITIES
 FACILITY BUILDINGS AND FACILITIES

Figure 1-1
 Current Layout Plan

AECOM Aedas
 Rogers Strick Harbour + Partners
 BURO - APPOLO ATKINS ADI

PROJECT NO. 60191048/C3/000/C00/1001
 PROJECT NAME 香港第二通道橋樑設施建築物及設施
 DRAWING NO. 60191048/C3/000/C00/1001
 DATE 2014.11.14
 SCALE 1:1
 SHEET 1 OF 2

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WORKS AREA WA3
TUNG CHUNG

LOCATION PLAN
SCALE 1 : 25000

NOTES:

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- DIMENSIONS ARE IN MILLIMETER AND DIMENSIONS ARE IN METRES UNLESS OTHERWISE SHOWN.

LEGEND:

WORKS AREA BOUNDARY

- PORTION 3.1
- PORTION 3.2
- PORTION 3.3
- PORTION 3.4
- PORTION 3.5
- PORTION 3.6
- PORTION 3.7
- PORTION 3.8
- PORTION 3.9
- PORTION 3.10

NON-BUILDING AREA (GEOSP. TABLE)

FOR CONSTRUCTION

NO.	DESCRIPTION	DATE	BY
1	WORKING DRAWING	15/01/15	HY/2013/03
2	REVISION	15/01/15	HY/2013/03
3	REVISION	15/01/15	HY/2013/03
4	REVISION	15/01/15	HY/2013/03
5	REVISION	15/01/15	HY/2013/03
6	REVISION	15/01/15	HY/2013/03
7	REVISION	15/01/15	HY/2013/03
8	REVISION	15/01/15	HY/2013/03
9	REVISION	15/01/15	HY/2013/03
10	REVISION	15/01/15	HY/2013/03

REVISIONS

WORKS AREA WA3

AECOM
Rogers Shirk Harbour + Partners
BURO HAPPOOLD ALSTONS ADI

Aedas

DRGNO: 60191048/C3/000/C00/1051C

DATE: 15/01/15

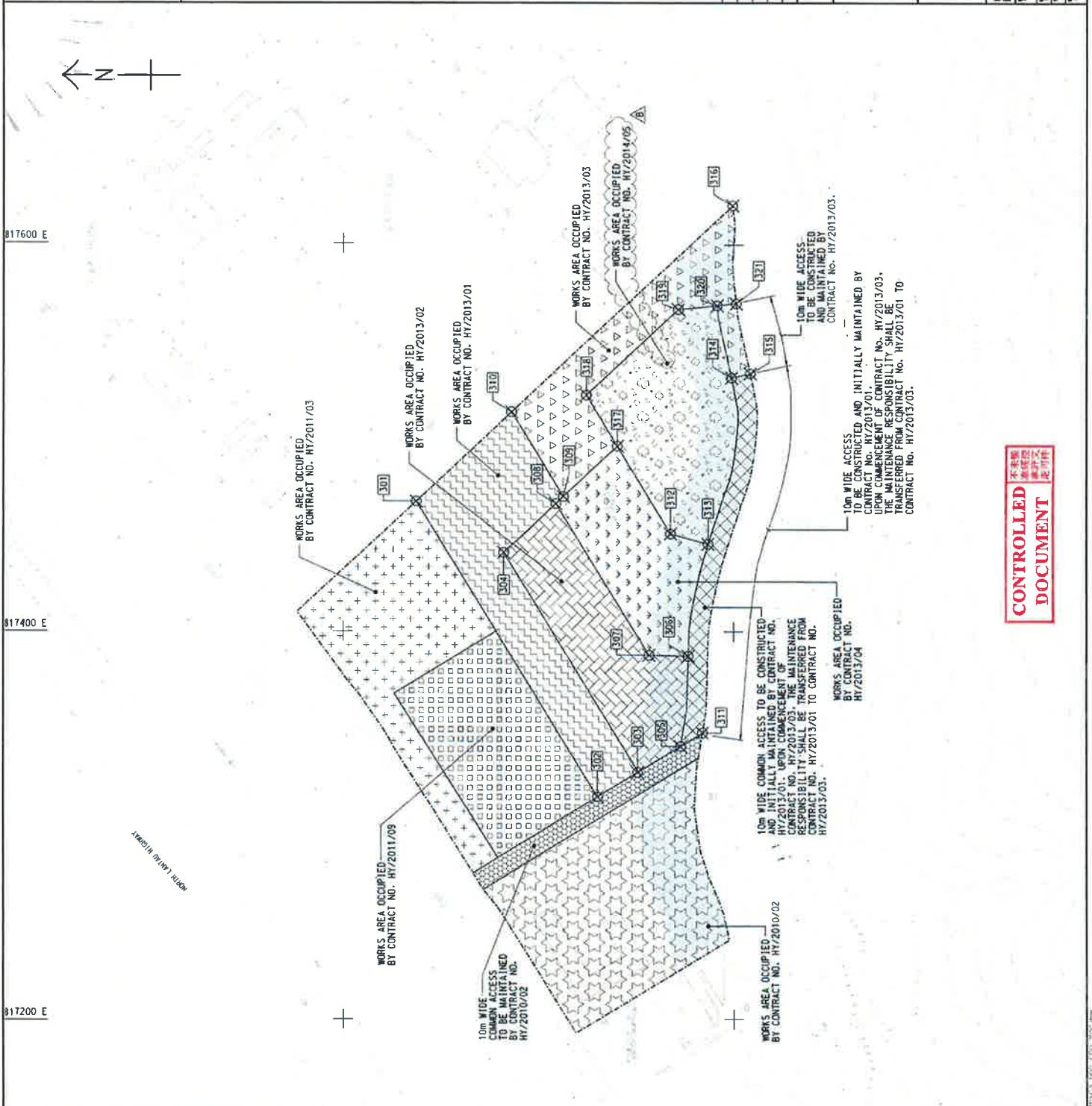
SCALE: 1:25000

PROJECT: WORKING DRAWING

DATE: 15/01/15

SCALE: 1:25000

PROJECT: WORKING DRAWING



CONTROLLED DOCUMENT

POINT	EASTING	NORTHING
301	817467.263	818162.683
302	817544.741	818258.833
303	817237.238	818295.235
304	817466.655	818111.811
305	817466.655	818281.211
306	817387.250	819023.403
307	817387.250	819023.403
308	817668.133	819251.017
309	817668.133	819251.017
310	817533.446	819113.764
311	817247.717	819016.002
312	817696.596	819032.209
313	817465.395	819011.157
314	817531.154	819201.005
315	817532.246	818951.206
316	817820.289	819000.620
317	817856.827	819055.596
318	817532.110	819075.289
319	817566.404	819024.472
320	817564.507	819008.526
321	817569.551	818998.621

SETTING OUT POINT		
POINT	EASTING	NORTHING
401	822400.1571	822600.2115
402	822400.1533	822600.4112
403	822415.6000	822559.8460
404	822416.9400	822599.8432
405	822529.4200	822607.3559
406	822556.9800	822559.8133
407	822618.2300	822607.3559
408	822648.1932	822607.3559
409	822666.2600	822516.5651
410	822660.2710	822441.9561
411	822680.5445	822400.2010
412	822684.5445	822407.9571
413	822681.1100	822470.8988
414	822681.1200	822538.9566
415	822684.1500	822511.1197

822600 E
822400 E

WORKS AREA WA4

KAP SHUI MEN

SUNNY BAY

TSD MAN

LOCATION PLAN
SCALE 1 : 25000

NOTES:

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LEGEND:

WORKS AREA BOUNDARY

PORTION 4.1

PORTION 4.2

PORTION 4.3

PORTION 4.4

PORTION 4.5

PORTION 4.6

PORTION 4.7

PORTION 4.8

PORTION 4.9

CONTROLLED DOCUMENT

FOR CONSTRUCTION

C	WORKING DRAWING	DATE	REV
B	TENDER ADDENDUM NO. 2	2013/01	HY/13
A	TENDER ADDENDUM NO. 1	2012/01	HY/12
-	TENDER DRAWING	2011/01	HY/11
01	AS BUILT	2011/01	HY/11
00	ISSUE FOR TENDER	2011/01	HY/11

WORKS AREA WA4

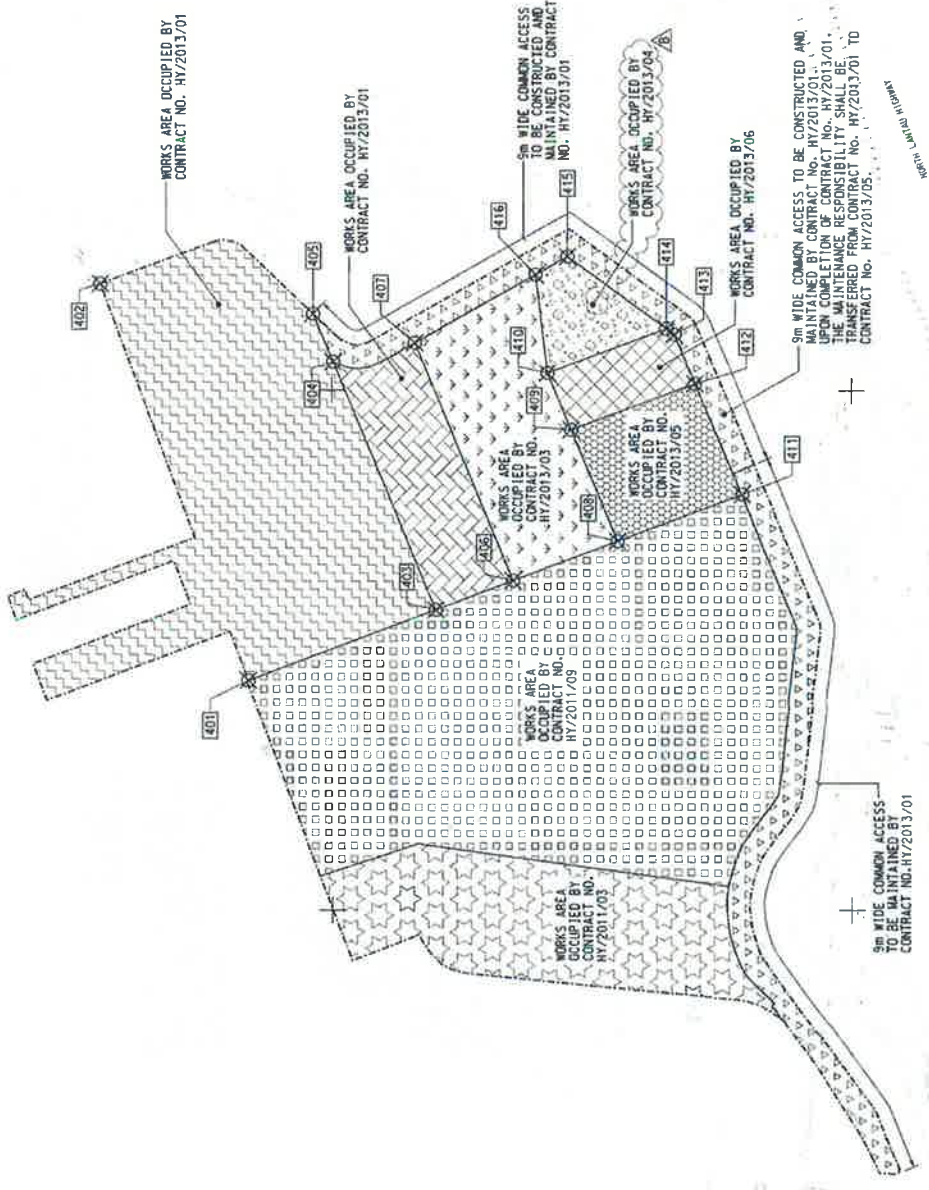
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Rogers Sirt Harbour + Partners
BURO HANNOLD ATONG ADI

Aedas

DRAWING NO. 60191048/C3/000/C00/1052C
圖紙號碼

DATE: 2013/01
SCALE: 1:25000
PROJECT: KAP SHUI MEN
DRAWING: WORKING DRAWING
REVISION: 01

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822600 N

822400 N

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Appendix B

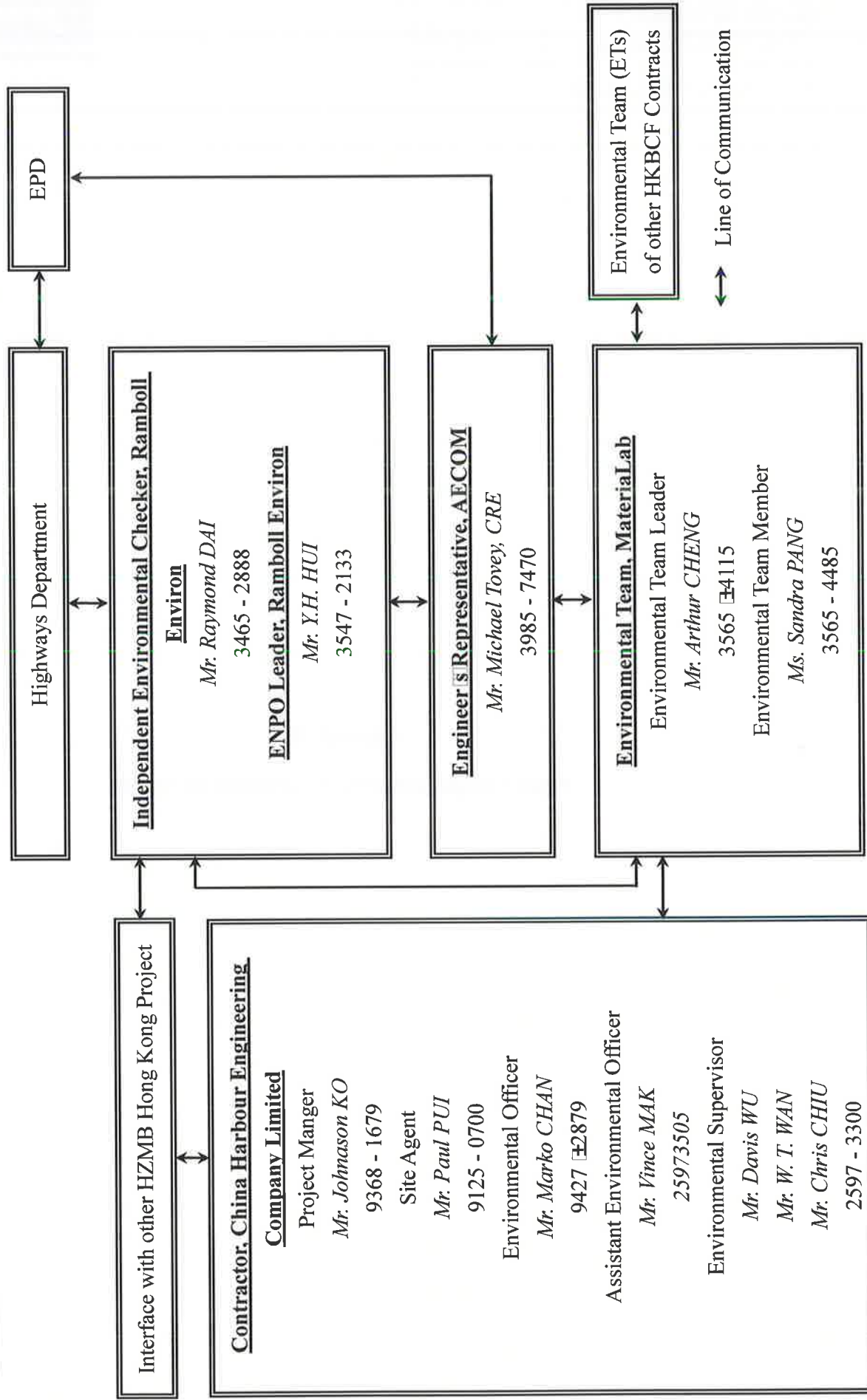
Project Organization for Environmental Works



CHINA HARBOUR ENGINEERING COMPANY LIMITED

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

Projects Organization for Environmental Works



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Appendix C

Construction Programme

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016	2016	2016	2016	2016
								Jun	Jul	Aug	Sep	Oct
CONTRACT DATES												
Key Dates												
A1010	16)	0	0	0%		19-Sep-16*	-164					
A1030	16)	0	0	100%		27-Jun-16 A						
Site Access & P Possession												
Possession of Portion of Site												
A0010	Possession of Portion A1 (<= 70 days)	0	0	0%		30-Jun-16*	-377					
A0020	Possession of Portion A2 (<= 75 days)	0	0	0%		30-Jun-16*	-372					
A0030	Possession of Portion B (<=100 days)	0	0	0%		30-Jun-16*	-347					
A0040	Possession of Portion C (<=100 days)	0	0	0%		26-Aug-16*	-405					
A0050	Possession of Portion D (<=220 days)	0	0	0%		30-Jun-16*	-227					
A0060	Possession of Portion E (<=160 days)	0	0	0%		30-Jun-16*	-287					
A0080	Possession of Portion G (<=225 days)	0	0	0%		30-Jun-16*	-266					
A0090	Possession of Portion H1 (<=273 days)	0	0	0%		30-Jun-16*	-174					
A0100	Possession of Portion H2 (<=273 days)	0	0	0%		30-Jun-16*	-174					
A0110	Possession of Portion J (<=320 days)	0	0	0%		01-Jul-16*	-129					
A0120	Possession of Portion K (<=478 days)	0	0	0%		30-Jul-16*	-79					
A0130	Possession of Portion L (<=478 days)	0	0	0%		30-Jul-16*	-12					
A0140	Possession of Portion M (<=478 days)	0	0	0%		30-Jul-16*	-134					
A0150	Possession of Portion N (<=345 days)	0	0	0%		01-Aug-16*	-135					
A0160	Possession of Portion P (<=502 days)	0	0	0%		23-Aug-16*	0					
Access to Locations of the Site												
A0210	Contract Date for Access to Location 1.1 (490 days)	0	0	0%		11-Aug-16*	0					
A0220	Contract Date for Access to Location 1.2 (405 days)	0	0	0%		30-Jun-16*	-42					
A0230	Contract Date for Access to Location 1.3 (488 days)	0	0	0%		09-Aug-16*	0					
A0240	Contract Date for Access to Location 1.4 (488 days)	0	0	0%		09-Aug-16*	0					
A0310	Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days)	0	0	0%		30-Jun-16*	-52					
A0320	Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days)	0	0	0%		05-Sep-16*	0					
Section/Stage Subject to Excision												
A0790	Contract Date for Section VIII (437 days, latest date when the Engineer may order)	0	0	100%	18-Jun-16 A							
PRELIMINARY												
Precast Yard for Bridge Segment												
A0620	Engineering Service and Factory Preparation	120	0	100%	01-Dec-15 A	16-Jun-16 A						
A0630	Segment Manufacture	300	285	5%	17-Jun-16 A	16-Jun-17	-86					
PORTION A1												
Portion A1 Structures												
Bridge A9												
Bored Pile												
S91015	Bored piles for P904, A905, 4nos	58	58	0%	30-Jun-16	06-Sep-16	-25					
S91020	Bored piles, 6 nos (2 cast)	29	19	35%	17-May-16 A	29-Sep-16	-25					
S91030	Pile casting for P904, A905	7	7	0%	22-Sep-16	29-Sep-16	-6					

Date	Revision	Checked	Approved
30-Apr-16	3MRP updated as of 30-Apr-2016	ZJ	
31-May-16	3MRP updated as of 31-May-2016	ZJ	
30-Jun-16	3MRP updated as of 30-June-2016	ZJ	

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

29-Jun-16

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Jun	Jul	Aug	Sep	Oct
Box Culvert D												
Bored Pile												
SD0040	Bored Piling for Box Culvert D 45 nr. (41 no. cast)	128	13	90%	05-Oct-15 A	15-Jul-16	-63					
SD0090	Box Culvert D Pile Testing (Stage 2)	7	7	0%	30-Jun-16	08-Jul-16	-63					
SD0130	Box Culvert D Pile Testing (Stage 3)	7	7	0%	19-Sep-16	26-Sep-16	-63					
Box Culvert D Construction												
SD0060	Box Culvert D Construction (Stage 1)	50	50	1%	17-May-16 A	27-Aug-16	94					
SD0070	Box Culvert D Construction (Stage 2)	50	50	0%	09-Jul-16	05-Sep-16	86					
SD0110	Box Culvert D Construction (Stage 3)	50	50	0%	27-Sep-16	25-Nov-16	-56					
037 Fresh Water Pumping Station, Portion A1 & A2												
A04710	Piling 4nr. (4 cast)	34	0	100%	29-Apr-16 A	30-Jun-16 A						
A04720	Excavation + Blinding	12	12	0%	30-Jun-16	14-Jul-16	-80					
A04730	Pile Testing	7	7	0%	15-Jul-16	22-Jul-16	-80					
A04740	Water Tank Construction	58	58	0%	23-Jul-16	29-Sep-16	-80					
049 Sewage Treatment Plant, Portion A1 & A2												
A04940	Bored Piling (39 Nr.) (32 Nr. cast)	148	8	94.59%	29-Dec-15 A	09-Jul-16	-174					
A04945	Removal of Surcharge	22	22	0%	11-Jul-16	04-Aug-16	-174					
A04950	Sheet Piling as ELS1 for Equalization Tanks	13	13	0%	05-Aug-16	19-Aug-16	-168					
A04960	Sheet Piling as ELS2 for Sludge Holding Tanks	13	13	0%	05-Aug-16	19-Aug-16	-174					
A04970	Sheet Piling as ELS3 for Basement	25	25	0%	20-Aug-16	19-Sep-16	-168					
A04980	Pile Testing in ELS1	7	7	0%	20-Aug-16	27-Aug-16	-165					
B04910	Pile Testing for others	7	7	0%	20-Aug-16	27-Aug-16	-174					
B04960	ELS1 + Blinding for Equalization Tanks	14	14	0%	29-Aug-16	13-Sep-16	-165					
B04970	Constructing Base Slab for Equalization Tanks	15	15	0%	14-Sep-16	03-Oct-16	-165					
C04930	ELS2 + Blinding for Equalization Tanks	10	10	0%	14-Sep-16	26-Sep-16	-174					
C04940	Constructing Base Slab of Equalization Tanks	20	20	0%	27-Sep-16	21-Oct-16	-109					
D04910	ELS3 w/slabs + Blinding for Basement	30	30	0%	27-Sep-16	02-Nov-16	-174					
Portion A1 Buildings												
012 DOH Disinfection Area and Store Room, Portion A1												
A01210	Excavation & Blinding (+ PL Test)	10	9	10%	30-May-16 A	11-Jul-16	10					
A01220	Raft Foundation	20	20	0%	12-Jul-16	03-Aug-16	10					
A01240	Superstructure	35	35	0%	04-Aug-16	13-Sep-16	10					
A01250	Finishing	80	80	0%	14-Sep-16	19-Dec-16	83					
A01260	BS for Office Accommodation (Stage 8)	73	73	0%	14-Sep-16	10-Dec-16	10					
036 Weigh Station												
A03640	Finishing	120	48	60%	13-Jan-16 A	25-Aug-16	137					
A03670	BS for Office Accommodation (Stage 8)	90	39	56.67%	13-Jan-16 A	15-Aug-16	98					
A03680	BS + E&M for Office Accommodation (Stage 9)	90	90	0%	16-Aug-16	01-Dec-16	98					
A03690	Other BS + E&M Installation	180	102	43.33%	02-Nov-15 A	31-Oct-16	195					
037 C&ED Tower Cup Inbound Cargo Examination Building (Portion A1 & B)												
A03740	Steel Frame Structure	90	90	0%	30-Jun-16	17-Oct-16	207					
A03750	Finishing	200	190	5%	30-May-16 A	17-Feb-17	107					

<p>Actual Work</p> <p>Remaining Work</p> <p>Critical</p> <p>Milestone</p>	<p>THREE MONTH ROLLING PROGRAMME</p> <p>VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES</p> <p>Page 2 of 14</p>	<p>Date</p> <p>30-Apr-16</p> <p>31-May-16</p> <p>30-Jun-16</p>	<p>Revision</p> <p>3MRP updated as of 30-Apr-2016</p> <p>3MRP updated as of 31-May-2016</p> <p>3MRP updated as of 30-June-2016</p>	<p>Checked</p> <p>ZJ</p> <p>ZJ</p> <p>ZJ</p>	<p>Approved</p>
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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				29-Jun-16	
								Jun	Jul	Aug	Sep		
A03760	BS for Office Accommodation (Stage 8)	88	88	0%	30-Jun-16	14-Oct-16	-117						
A03790	Other BS + E&M Installation	235	201	14.47%	15-Dec-15 A	02-Mar-17	96						
043 Fire Station - Cum Appearance Depot													
A04100	Excavation + Blinding (+ PL Test)	14	14	1%	24-May-16 A	16-Jul-16	-183						
A04110	Substructure	84	84	0%	13-Jun-16 A	08-Oct-16	-183						
042 Drift Tower													
A04250	Super Structure	69	26	62.32%	05-May-16 A	30-Jul-16	-6						
A04260	Finishing	80	80	0%	01-Aug-16	04-Nov-16	-6						
A04270	BS for Office Accommodation (Stage 8)	65	65	0%	01-Aug-16	18-Oct-16	52						
A04290	Other BS + E&M Installation	160	160	0%	20-Aug-16	04-Mar-17	94						
043 DPH Office													
A04340	Super Structure	60	35	41.67%	27-May-16 A	10-Aug-16	49						
A04350	Finishing	120	120	0%	11-Aug-16	04-Jan-17	72						
A04370	BS for Office Accommodation (Stage 8)	69	69	0%	11-Aug-16	02-Nov-16	49						
B04310	Other BS + E&M Installation	170	170	0%	30-Aug-16	25-Mar-17	76						
043 DPH Office (Store Room)													
B04370	Super Structure with Water Tank	51	35	31.37%	27-May-16 A	10-Aug-16	122						
B04380	Finishing	50	50	0%	11-Aug-16	11-Oct-16	122						
052 Transloms (Zona 4)													
A05235	Energisation by CLP	50	10	80%	24-Feb-16 A	12-Jul-16	233						
A05240	BS Installation (KD9)	66	17	75%	02-Nov-15 A	20-Jul-16	137						
A05250	Finishing (KD10)	87	9	90%	14-Dec-15 A	11-Jul-16	137						
A05260	Completion of remaining works	66	66	0%	20-Jul-16	07-Oct-16	215						
105 JMBP Guard Booth - Portion A1													
B10510	Excavation + Blinding	5	5	0%	12-Jul-16	16-Jul-16	79						
B10520	Substructure (Rait Foundation)	15	15	0%	14-Sep-16	03-Oct-16	29						
External Works for Portion A1													
Drainage Works													
SG0020	Drainage Works (2025m & 94MHs)	250	230	8%	16-Sep-15 A	06-Apr-17	-74						
SG0030	Sewerage (869m & 25MHs)	250	230	8%	04-Jan-16 A	06-Apr-17	-74						
Waterpipe Laying													
SW5010	Fresh Water Main Laying (1660m)	250	250	0%	26-Aug-16	03-Jul-17	-74						
SW6010	Flushing Water Main Laying (967m)	250	250	0%	26-Aug-16	03-Jul-17	-74						
Duct Laying for Utilities/Telecom Cabling, T.C.S.S. & Lighting													
SUS260	Duct Laying for Utilities/Telecom Cabling	250	250	0%	26-Aug-16	03-Jul-17	-74						
PORTION A2													
Portion A2 Structures													
046 Reclaimed Water Pumping Station - Portion A2													

<p>Actual Work</p> <p>Remaining Work</p> <p>Critical</p> <p>Milestone</p>		<p>THREE MONTH ROLLING PROGRAMME</p> <p>VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES</p> <p>Page 3 of 14</p>			<p>Date</p> <p>30-Apr-16</p> <p>31-May-16</p> <p>30-Jun-16</p>	<p>Revision</p> <p>3MRP updated as of 30-Apr-2016</p> <p>3MRP updated as of 31-May-2016</p> <p>3MRP updated as of 30-June-2016</p>	<p>Checked</p> <p>ZJ</p> <p>ZJ</p> <p>ZJ</p>	<p>Approved</p>
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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

29-Jun-16

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Jun	Jul	Aug	Sep	Oct
A04820	Piling 4nr. (4 cast)	40	0	100%	25-Apr-16 A	25-Jun-16 A		█				
A04830	Sheet Piling as ELS for Basement 1	12	12	0%	30-Jun-16	14-Jul-16	-91		█			
A04840	Pile testing	7	7	0%	15-Jul-16	22-Jul-16	-91		█			
A04850	Excavation + Blinding for Basement 1	10	10	0%	23-Jul-16	03-Aug-16	-91		█			
A04860	Basement 1 Construction	40	40	0%	04-Aug-16	20-Sep-16	-91		█			
A04865	Water-tightness Test for Basement 1	12	12	0%	21-Sep-16	05-Oct-16	-91		█			
S90850	Construction of Retaining Wall W5-2 (U-shape, 6 bay)	120	120	0%	12-Aug-16	05-Jan-17	26			█		
External Works for Portion A2												
Drainage Works												
B00020	Initial Survey	6	6	0%	30-Jun-16	07-Jul-16	-268		█			
PORTION B												
Portion B Structures												
S62050	Construction of Retaining Wall W6-1 (L-shape, 4 bays)	80	80	0%	29-Aug-16	02-Dec-16	62				█	
027 - Staff Subway												
C02730	Bay 4 - 13 Construction - Wall + Top Slab	30	0	100%	15-Dec-15 A	14-Jun-16 A		█				
C02750	Bay 14-19 Construction - Wall + Top Slab	30	6	80%	17-Feb-16 A	07-Jul-16	-117		█			
C02760	Internal Finishes & Cable Containment (KD1)	30	30	0%	30-Jun-16	04-Aug-16	-106		█			
C02770	BS + E&M Installation for ACVSS (Stage 1)	30	30	0%	12-Jul-16	15-Aug-16	-106		█			
028 - Staff Subway												
C02830	Bay 20-24 Construction - Wall + Top Slab	150	150	0%	30-Jun-16	28-Dec-16	-220		█			
C02840	Internal Finishes & Cable Containment (KD1)	30	30	0%	25-Jul-16	27-Aug-16	-125		█			
C02850	BS + E&M Installation for ACVSS (Stage 1)	30	30	0%	03-Aug-16	06-Sep-16	-125		█			
029 - Staff Subway												
C02920	Bay 25-29 Construction - Base Slab	22	13	40%	03-May-16 A	16-Jul-16	-111		█			
C02930	Bay 25-29 Construction - Wall + Top Slab	28	28	0%	30-Jun-16	02-Aug-16	-111		█			
C02940	Bay 30-33 Construction - Base Slab	21	21	0%	30-Apr-16 A	25-Jul-16	-111		█			
C02950	Bay 30-33 Construction - Wall + Top Slab	27	27	0%	08-Jul-16	08-Aug-16	-117		█			
C02960	Internal Finishes & Cable Containment (KD1)	21	21	0%	27-Jul-16	19-Aug-16	-117		█			
C02970	BS + E&M Installation for ACVSS (Stage 1)	20	20	0%	05-Aug-16	27-Aug-16	-117		█			
Portion B Buildings												
027 028 Inbound Kiosks & 029 Outbound Kiosks												
A02700	Submission & Approval for Steel Works	50	26	48%	01-Apr-16 A	30-Jul-16	-196		█			
A02710	Pre-fabrication for the Steel Kiosks	100	100	0%	01-Aug-16	28-Nov-16	-196		█			
027 028 Inbound Kiosks & 029 Outbound Kiosks - Section IX - Subject to Exclusion												
B02730	Submission & Approval for Steel Works	75	26	65.33%	01-Apr-16 A	30-Jul-16	-69		█			
B02740	Pre-fabrication for the Steel Kiosks	100	100	0%	01-Aug-16	28-Nov-16	-69		█			
028 Inbound IIMD and DDI Secondary Screening Building												
A02630	Super Structure	70	78	0%	15-Feb-16 A	30-Sep-16	-60		█			

Actual Work	█
Remaining Work	█
Critical	█
Milestone	◆

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				29-Jun-16	
								Jun	Jul	Aug	Sep		
A02640	Finishing	75	75	0%	03-Oct-16	31-Dec-16	144						
A02670	BS for Office Accommodation (Stage 8)	90	90	0%	03-Oct-16	19-Jan-17	-31						
A02690	Other BS + E&M Installation	180	171	5%	01-Feb-16 A	23-May-17	32						
054 Inbound Fixed X-ray Building													
A05440	Super Structure for Tx Room	60	26	56.67%	02-Mar-16 A	30-Jul-16	-172						
A05450	Other Superstructure	65	65	0%	01-Aug-16	18-Oct-16	-168						
A05460	Finishing	150	150	0%	01-Aug-16	01-Feb-17	121						
A05465	BS + E&M for Tx Room to CLP (Stage 5)	97	97	0%	01-Aug-16	24-Nov-16	-172						
A05470	BS for Office Accommodation (Stage 8)	90	90	0%	19-Oct-16	07-Feb-17	-44						
A05490	Other BS + E&M Installation	180	171	5%	08-Feb-16 A	08-Jun-17	19						
038 AFCD Office													
A03810	Excavation + Blinding	7	7	0%	27-Jul-16	03-Aug-16	-152						
039 Police Main Building													
A03910	Excavation + Blinding	12	12	0%	30-Jun-16	14-Jul-16	-228						
A03920	Substructure	70	70	0%	15-Jul-16	06-Oct-16	-228						
040 Incident Control Tower													
A04010	Excavation + Blinding	10	10	0%	15-Jul-16	26-Jul-16	-159						
Glass Well													
C04010	Shop Drawing Submission and Approval	30	30	0%	05-Sep-16	12-Oct-16	-31						
102 HKRF UVSS Monitor Room													
A10220	Super Structure	45	41	10%	20-May-16 A	17-Aug-16	27						
A10230	Finishing (False Ceiling) (KD9)	70	70	0%	17-Aug-16	10-Nov-16	43						
A10240	BS for Office Accommodation (Stage 8)	80	80	0%	17-Aug-16	22-Nov-16	27						
A10270	Other BS + E&M Installation	150	150	0%	05-Sep-16	09-Mar-17	91						
103 Police Inspection Post													
A10310	Excavation + Blinding	5	5	0%	09-Jul-16	14-Jul-16	-5						
HPL Composite Panel Cladding System													
B10310	Shop Drawing Submission and Approval	30	30	0%	23-Aug-16	27-Sep-16	-43						
B10320	Fabrication of HPL Cladding	60	60	0%	28-Sep-16	08-Dec-16	-43						
057 Transformers (Zone 2)													
A05710	Excavation + Blinding	10	10	0%	27-Jun-16 A	12-Jul-16	-280						
A05720	Raft Foundation	52	52	0%	13-Jul-16	10-Sep-16	-280						
A05730	Superstructure	65	65	0%	12-Sep-16	29-Nov-16	-280						
107 - Q&ED Mobile X-ray Operation Office (Cargo), Portion B													
C10710	Excavation + Blinding	7	7	0%	30-Jun-16	08-Jul-16	-94						
C10720	Raft Foundation	32	32	0%	09-Jul-16	15-Aug-16	-94						
C10730	Superstructure (Roof Slabs)	62	62	0%	16-Aug-16	29-Oct-16	-94						
113 - Field Kiosk for Access Control, Portion B													
B11310	Excavation + Blinding	7	7	0%	29-Jun-16 A	08-Jul-16	-97						
B11320	Raft Foundation	32	32	0%	09-Jul-16	15-Aug-16	-97						
B11330	Superstructure (Roof Beams & Slabs)	60	60	0%	16-Aug-16	27-Oct-16	-97						
External Works for Portion B													
Drainage Works													
SG1540	Drainage Works (4397m & 174MHS)	300	225	25%	17-Dec-15 A	30-Mar-17	-135						

Actual Work (Blue bar)

Remaining Work (Green bar)

Critical (Red bar)

Milestone (Diamond)

THREE MONTH ROLLING PROGRAMME

VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				
								Jun	Jul	Aug	Sep	
SG3580	Sewerage (1330m & 34MHs)	300	225	25%	02-Jan-16 A	30-Mar-17	-135					
Water Pipe Laying												
SW1550	Fresh Water Main Laying (1972m)	300	300	0%	30-Jun-16	05-Jul-17	-135					
SW1560	Flushing Water Main Laying (1851m)	300	300	0%	30-Jun-16	05-Jul-17	-135					
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting												
SUS300	Duct Laying for Utilities/Telecom Cabling	300	300	0%	30-Jun-16	05-Jul-17	-135					
Roadworks												
SR1640	Subbase (43152 ton)	342	342	0%	08-Jul-16	30-Aug-17	-135					
SR3590	Bitumen Pavement (61126 ton)	342	342	0%	05-Aug-16	27-Sep-17	-135					
SR3600	Rigid Pavement (594 m3), Footpath & EVA	342	342	0%	05-Aug-16	27-Sep-17	-135					
Sign Gantry ADS 306A & ADS 306B												
SS5230	Submission and approval for Sign Gantry	100	80	20%	03-May-16 A	04-Oct-16	-133					
PORTION C												
Portion C Buildings												
010 - Inboard Coach Kiosk & Staff Subway Entrance												
A01010	Substructure and Staircase Construction	60	60	0%	30-Jun-16	08-Sep-16	-236					
A01020	Kiosk Superstructure	100	100	0%	09-Sep-16	10-Jan-17	-236					
009 - Shuttle Bus Kiosk & Staff Subway Entrance												
A00910	ELS + Blinding (Bay 0-3) (4 bay)	42	10	76.19%	06-May-16 A	12-Jul-16	-187					
A00920	Constructing Base Slab of Bay 0-3 (Bay 3 cast)	28	16	42.86%	14-May-16 A	30-Jul-16	-187					
A00930	Constructing Wall + Top Slab of Bay 0-3	37	37	0%	13-Jul-16	24-Aug-16	-187					
A00940	Finishing	30	30	0%	05-Aug-16	08-Sep-16	-187					
A00950	BS + E&M for AVCSS works (Stage 1)	30	30	0%	15-Aug-16	19-Sep-16	-187					
B00910	Substructure and Staircase Construction (Portion B&C)	43	43	0%	20-Sep-16	10-Nov-16	-187					
012 - D09 Disinfection Area and Store Room 1 at Portion C												
B01210	Excavation & Blinding	10	10	0%	30-Jun-16	12-Jul-16	12					
B01220	Raft Foundation	20	20	0%	13-Jul-16	04-Aug-16	18					
B01230	Superstructure	35	35	0%	05-Aug-16	14-Sep-16	18					
B01240	Finishing	80	80	0%	15-Sep-16	20-Dec-16	82					
B01270	BS for Office Accommodation (Stage 8)	70	70	0%	13-Sep-16	08-Dec-16	18					
104 - D04 Secondary Servicing Station at Portion C												
A10420	Excavation & Blinding	5	5	0%	27-Aug-16	01-Sep-16	-27					
Facade Cladding System												
A10460	Shop Drawing Submission and Approval	30	30	0%	27-Aug-16	03-Oct-16	2					
108 - EXED Mobile X-Ray Machines Operation Office, Portion C												
A10805	Excavation & Blinding	5	5	0%	02-Sep-16	07-Sep-16	-57					
A10810	Raft Foundation	25	25	0%	08-Sep-16	08-Oct-16	-57					
110 - MMD Guard Booth (Type 2)												
A11020	Excavation & Blinding	5	5	0%	02-Sep-16	07-Sep-16	-27					
A11030	Substructure	25	25	0%	08-Sep-16	08-Oct-16	-1					
Facade Envelop Structure Installation												
A11040	Shop Drawing Submission and Approval	30	30	0%	27-Aug-16	03-Oct-16	33					
111 Field Kiosk for Carpark Operator												
A11120	Excavation & Blinding	5	5	0%	27-Aug-16	01-Sep-16	-52					
HPL Composite Panel Cladding System												

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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■ Actual Work
■ Remaining Work
■ Critical
◆ Milestone

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016					
								Jun	Jul	Aug	Sep		
B11110	Shop Drawing Submission and Approval	30	30	0%	27-Aug-16	03-Oct-16	33						
C11310	Excavation & Blinding	5	5	0%	27-Aug-16	01-Sep-16	-77						
C11320	Raft Foundation	30	30	0%	02-Sep-16	08-Oct-16	-77						
External Works for Portion C													
Works in Location 1, 2, 1B & 011 - Emergency Generator Building													
BB1440	Works in Location 1, 2	90	90	0%	30-Jun-16	17-Oct-16	117						
Drainage Works													
B00040	Initial Survey	12	12	0%	27-Aug-16	09-Sep-16	-239						
SG2400	Drainage Works (1695m & 32MHs)	120	120	0%	10-Sep-16	07-Feb-17	-239						
SG3610	Sewerage (186m & 4MHs)	120	120	0%	10-Sep-16	07-Feb-17	-117						
PORTION D													
Portion D Building													
1B - Field Kiosk for Access Control, Portion D													
C11350	Excavation & Blinding	5	5	0%	08-Sep-16	13-Sep-16	-27						
C11360	Raft Foundation	30	30	0%	14-Sep-16	21-Oct-16	-27						
External Works for Portion D													
Drainage Works													
B00050	Initial Survey	6	6	0%	30-Jun-16	07-Jul-16	-7						
SG3640	Drainage Works (555m & 13MHs)	90	90	0%	08-Jul-16	24-Oct-16	-7						
SG3760	Sewerage (121m & 6MHs)	100	100	0%	08-Jul-16	04-Nov-16	-7						
Water pipe Laying													
SW3650	Fresh Water Main Laying (108m)	100	100	0%	05-Sep-16	05-Jan-17	-7						
Duct Laying for Utilities/Telecom Cabling													
SU5340	Duct Laying for Utilities/Telecom Cabling	100	100	0%	05-Sep-16	05-Jan-17	-7						
SU5350	Duct Laying for TCSS & Lighting	100	100	0%	05-Sep-16	05-Jan-17	-7						
PORTION E													
Portion E Building													
006 - Shuttle Bus Kiosk & Staff Subway Entrance at Portion E & M													
A00610	ELS + Blinding for Subway	12	12	0%	08-Aug-16	20-Aug-16	-105						
A00620	Constructing base of Subway	25	25	0%	22-Aug-16	20-Sep-16	-105						
A00630	Constructing wall stem + top slab of Subway	40	40	0%	21-Sep-16	08-Nov-16	-105						
External Works for Portion E													
Drainage Works													
B00060	Initial Survey	6	6	0%	30-Jun-16	07-Jul-16	-79						
PORTION G, H1 & H2													
Portion G Structures													
Box Culvert C													
Steel H Pile													
SC5130	Box C - 164 nos. of driven H pile	60	60	0%	30-Jun-16	08-Sep-16	-96						
SC5530	Testing	50	50	0%	12-Aug-16	12-Oct-16	-82						
Box Culvert Structure													
SC0310	Box C - Branch Construction	45	45	0%	09-Sep-16	03-Nov-16	-18						
SC0380	Box C - Construction of Main Body	142	142	0%	09-Sep-16	03-Mar-17	-96						
Bridge A1													
Bored Pile													
S10120	Bore pile, 10 nos. (8 No. cast)	58	62	0%	01-Mar-16A	10-Sep-16	-5						

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■ Actual Work
■ Remaining Work
■ Critical
◆ Milestone

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

29-Jun-16

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	2016				Total Float
							Jun	Jul	Aug	Sep	
Bridge A2											
Pier & Abutment											
S21420	Pier P203	25	0	100%	30-Apr-16 A	30-May-16 A					
S21440	Pier P202, P204 (all cast)	25	0	100%	30-Mar-16 A	21-Jun-16 A					
Structure Deck											
S21570	Construct Deck, Bridge A2	120	114	5%	23-May-16 A	21-Aug-17					-108
Bridge A3											
Bored Pile											
S31630	Bore piling for A305, P304a/b (5 Nr.) (2 cast)	43	22	50%	06-Jun-16 A	26-Jul-16					13
S31640	Bore piling for P302, P303, A305 (6Nr.) (2 cast)	34	24	29.41%	13-Jun-16 A	28-Jul-16					13
S31670	Pile Testing for P304a/b	7	7	0%	01-Aug-16	09-Aug-16					19
S31680	Pile Testing for P302, P303 & A305	7	7	0%	10-Aug-16	17-Aug-16					13
Pile Cap											
S32030	Cap - P304a/b	30	30	0%	09-Aug-16	13-Sep-16					19
S32040	Cap - Pier P302, P303, A305	30	30	0%	16-Aug-16	22-Sep-16					13
Pier & Abutment											
S32120	Pier P304a, P304b	25	25	0%	13-Sep-16	15-Oct-16					19
S32130	Abutment A305	30	30	0%	23-Sep-16	29-Oct-16					13
Bridge A4											
Bored Pile											
S42320	Bore pile 4 Nr. (1 cast)	33	25	25%	01-Jun-16 A	29-Jul-16					-214
S42340	Pile Testing	7	7	0%	09-Aug-16	17-Aug-16					-214
Pile Cap											
S42360	Cap - Pier P401	30	30	0%	17-Aug-16	22-Sep-16					-214
S42370	Cap - Pier P402	30	30	0%	17-Aug-16	22-Sep-16					-214
Pier & Abutment											
S42380	Pier P401	25	25	0%	22-Sep-16	24-Oct-16					-214
S42390	Pier P402	25	25	0%	22-Sep-16	24-Oct-16					-214
Bridge A5											
Bored Pile											
S52630	Bore piling for 19 Nr. (5 cast)	60	36	40%	17-May-16 A	11-Aug-16					-154
S52640	Pile Testing for P504, P505	7	7	0%	30-Jun-16	08-Jul-16					-145
S52650	Pile Testing for A503 & P506	7	7	0%	16-Aug-16	23-Aug-16					-154
S52660	Pile Testing for A501 & P502a/b, P507	7	7	0%	23-Aug-16	30-Aug-16					-140
Pile Cap											
S52710	Cap for P504, P505	30	30	0%	09-Jul-16	12-Aug-16					-145

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30-Apr-16	3MIRP updated as of 30-Apr-2016	ZJ	
31-May-16	3MIRP updated as of 31-May-2016	ZJ	
30-Jun-16	3MIRP updated as of 30-June-2016	ZJ	

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■ Actual Work
■ Remaining Work
■ Critical
◆ Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016					
								Jun	Jul	Aug	Sep		
S52720	Cap - Pier P503, P506	30	30	0%	24-Aug-16	28-Sep-16	-154						
S52730	Cap - Pier A501, P502ab, P507	35	35	0%	31-Aug-16	13-Oct-16	-140						
S52800	Pier & Abutment	25	25	0%	13-Aug-16	10-Sep-16	-140						
S52820	Pier P503, P506	25	25	0%	29-Sep-16	29-Oct-16	-154						
Bridge A6													
Pile Cap													
S63410	Cap - P606, P607/711 (606 cast)	40	20	50%	24-May-16 A	23-Jul-16	-117						
S63430	Cap - P604, P605 (604 cast)	30	15	50%	20-May-16 A	18-Jul-16	-100						
S63440	Cap - P602, P603	30	0	100%	14-May-16 A	06-Jun-16 A							
Pier & Abutment													
S63350	Pier P601, P606	25	13	50%	29-Mar-16 A	08-Aug-16	-117						
S63360	Pier P604, P605	25	25	0%	08-Aug-16	06-Sep-16	-117						
S63370	Pier P602, P603 (602 cast)	25	13	50%	06-Jun-16 A	21-Sep-16	-117						
S63380	Abutment A607	30	30	0%	25-Jul-16	27-Aug-16	-97						
Structure Deck													
S63880	Construct Deck, Bridge A6	135	135	0%	22-Sep-16	07-Mar-17	-117						
Bridge A7a, A7b, A7c													
Bored Pile													
S74170	Bore Piling for A701, P702 - P705, 10 Nr. (4 Nr. done)	42	25	40%	20-Nov-15 A	10-Sep-16	-84						
S74920	Pile Testing for A701, P702, P703	7	7	0%	23-Sep-16	03-Oct-16	-70						
S74210	Cap for P706, P707, P712 (706 cast)	30	18	40%	01-Jun-16 A	21-Jul-16	-5						
S74220	Cap for P704, P705	30	30	0%	30-Jun-16	04-Aug-16	-22						
S74270	Cap for P710	30	0	100%	01-Jun-16 A	13-Jun-16 A							
Pier & Abutment													
S74310	Pier P706, P707, P712	25	25	0%	22-Jul-16	19-Aug-16	-5						
S74320	Pier P704, P705	25	25	0%	20-Aug-16	19-Sep-16	-5						
S74390	Pier P708, P709	25	25	0%	20-Sep-16	20-Oct-16	-5						
S74450	Abutment A711	30	30	0%	29-Aug-16	04-Oct-16	8						
Bridge A8													
Bored Pile													
S86130	Bore pile P802, P803, A804, 6 Nr. (5 Nr. cast)	87	4	95.4%	27-Jan-16 A	05-Jul-16	17						
S86140	Pile Testing for A804	7	7	0%	18-Jul-16	25-Jul-16	17						
S86150	Pile Testing for P802, P803	7	7	0%	18-Jul-16	25-Jul-16	47						
Pile Cap													
S86210	Cap - Abutment A804	30	30	0%	26-Jul-16	29-Aug-16	17						
S86220	Cap for P802, P803	30	30	0%	30-Aug-16	05-Oct-16	17						
Pier & Abutment													
S86250	Abutment A804	30	30	0%	30-Aug-16	05-Oct-16	19						
Retaining Walls W3-1, W3-1, W5-1, W5-1 & W7-1													
Retaining Wall W3-1													

Actual Work	Green bar
Remaining Work	Red bar
Critical	Red bar
Milestone	Black diamond

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30-Apr-16	3MRP updated as of 30 Apr. 2016	ZJ	
31-May-16	3MRP updated as of 31 May 2016	ZJ	
30-Jun-16	3MRP updated as of 30 June 2016	ZJ	

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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities												
Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				
								Jun	Jul	Aug	Sep	Oct
S37130	Bored Pile for W3-1, 16 Nr.	118	118	0%	10-Sep-16	06-Feb-17	-84					
Portion G Buildings												
033 Inbound Private Car Exam Building												
A03320	Super Structure	40	39	2.5%	11-May-16 A	15-Aug-16	-15					
A03330	Finishing	90	90	0%	16-Aug-16	01-Dec-16	16					
A03360	External Works	70	70	0%	16-Aug-16	08-Nov-16	118					
A03370	BS for Office Accommodation (Stage 8)	70	70	0%	16-Aug-16	08-Nov-16	44					
Glass Canopy Installation												
B03300	Shop Drawing Submission and Approval	30	30	0%	19-Aug-16	23-Sep-16	-15					
B03305	Fabrication of Glass Canopy	60	60	0%	24-Sep-16	05-Dec-16	-15					
Aluminium Metal Canopy												
B03310	Shop Drawing Submission and Approval	30	30	0%	19-Aug-16	23-Sep-16	0					
B03315	Fabrication of F/C System	60	60	0%	24-Sep-16	05-Dec-16	0					
034 Satellite RCP South												
A03400	Excavation + Blinding (+ PL Test)	5	5	0%	25-May-16 A	06-Jul-16	19					
A03430	Raft Foundation	30	30	0%	16-Aug-16	20-Sep-16	-15					
A03440	Super Structure (Roof Beams & Slabs)	40	40	0%	21-Sep-16	08-Nov-16	-15					
035 Sewage Pumping Station, Portion G												
A03540	Sheet Piling as ELS for Wet Well	12	12	0%	25-Jun-16 A	14-Jul-16	-69					
A03550	Pile Testing, 5 Nr.	7	7	0%	15-Jul-16	22-Jul-16	-69					
A03560	ELS + Blinding for Wet Well	10	10	0%	23-Jul-16	03-Aug-16	-69					
A03570	Constructing of Base Slab of Wet Well	20	20	0%	04-Aug-16	26-Aug-16	-69					
A03580	Constructing of Wall Stem of Wet Well	25	25	0%	27-Aug-16	26-Sep-16	-69					
A03590	Water-tightness Test for Wet Walls	12	12	0%	27-Sep-16	12-Oct-16	-69					
051 Transformers (Zone 5)												
A05150	Finishing	60	57	5%	16-May-16 A	05-Sep-16	92					
A05160	BS + E&M for Tx Room to CLP (Stage 3A)	59	59	0%	30-Jun-16	07-Sep-16	24					
A05165	Energisation by CLP	50	50	0%	08-Sep-16	08-Nov-16	132					
A05170	BS for Office Accommodations (KD9)	70	70	0%	08-Sep-16	01-Dec-16	24					
A05190	Other BS + E & M Installation	150	147	2%	22-Feb-16 A	08-Mar-17	91					
100 Inbound Traffic Control Kiosk												
A10000	Excavation + Blinding (PL test commenced on 26/7/16)	5	5	0%	30-Jun-16	06-Jul-16*	-114					
A10010	Raft Foundation	15	15	0%	07-Jul-16	23-Jul-16	-114					
A10040	Super Structure (Roof Beams & Slabs)	30	30	0%	25-Jul-16	27-Aug-16	-114					
A10050	Finishing	45	45	0%	29-Aug-16	22-Oct-16	-114					
A10070	BS + E&M for AVCSS Works (KD18A)	86	86	0%	29-Aug-16	09-Dec-16	-114					
HPL Composite Panel Cladding System												
B10010	Shop Drawing Submission and Approval	30	30	0%	30-Jun-16	04-Aug-16	92					
B10015	Fabrication of F/C System	60	60	0%	05-Aug-16	17-Oct-16	92					
External Works for Portion G, H1 & H2												
Works within Portion H1 & H2 except the ELV Works in the Hong Kong Side PTI												
BB1560	Works within Portion H1 & H2 in the Hong Kong Side PTI (KD20)	100	100	0.5%	30-May-16 A	11-Aug-17	-142					
All Works within the Boundary defined in Drawing No. 00191018/C3.000.C00.1050												

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- █ Actual Work
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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				
								Jun	Jul	Aug	Sep	
BB1570	All Works within the Boundary defined in Drawing No. 60191048/C3/000/1050, excluding Portion H1 & H2 & Bridges	126	126	0%	26-Sep-16	28-Feb-17	-14					
Drainage Works												
B00080	Initial Survey	12	12	0%	30-Jun-16	14-Jul-16	-173					
SG4070	Drainage Works (3748m & 191MHs)	84	80	5%	03-May-16 A	13-Apr-17	-7					
SG4190	Sewerage (422m & 12MHs)	84	80	5%	01-Jun-16 A	13-Apr-17	-7					
Sign Gantry DS40, DS41 & DS75												
SS0020	Sign Gantry DS40 Pre-bored H Piling, 12 Nr.	30	30	0%	30-Jun-16	04-Aug-16	87					
SS0040	Sign Gantry DS41 Driven Piling 4 Nr.	7	7	0%	09-Sep-16	17-Sep-16	110					
SS0080	Testing for Pre-bored H Piling	50	50	0%	29-Aug-16	28-Oct-16	97					
SS0170	Submission and approval for Sign Gantry	90	90	0%	30-Jun-16	17-Oct-16	-143					
PORTION J												
Portion J Structure												
030 Outbound Staff Subway (Portion J)												
B03010	ELS - blinding (Bay 34-41) (8 bay)	55	55	0%	02-Jul-16	03-Sep-16	-102					
B03020	Bay 34-39 Construction - Base Slab	34	34	0%	10-Aug-16	19-Sep-16	-102					
B03030	Bay 34-39 Construction - Wall + Top Slab	43	43	0%	31-Aug-16	22-Oct-16	-102					
B03040	Bay 40-41 Construction - Base Slab	34	34	0%	10-Aug-16	19-Sep-16	-102					
B03050	Bay 40-41 Construction - Wall + Top Slab, Staircase	43	43	0%	31-Aug-16	22-Oct-16	-102					
B03060	Internal Finishes & Cable Containment (KD2)	30	30	0%	27-Sep-16	02-Nov-16	-102					
030 Outbound Private Car & CV Kiosks												
A03010	Submission & Approval for Steel Works	60	26	56.67%	01-Apr-16 A	30-Jul-16	-105					
A03020	Pre-fabrication for the Steel Kiosks	84	84	0%	01-Aug-16	09-Nov-16	-105					
C03010	030 Outbound Kiosks, Section IX, Subject to Excision	100	26	74%	01-Apr-16 A	30-Jul-16	-69					
C03020	Pre-fabrication for the Steel Kiosks	100	100	0%	01-Aug-16	28-Nov-16	-69					
Portion J Buildings												
021 Outbound Private Car Exam Building												
A02400	Excavation + Blinding	10	10	0%	08-Jul-16	19-Jul-16	-88					
A02410	Raft Foundation	30	30	0%	20-Jul-16	23-Aug-16	-68					
A02420	Super Structure	40	40	0%	24-Aug-16	12-Oct-16	-68					
Glass Canopy Installation												
B02410	Shop Drawing Submission and Approval	30	30	0%	02-Jul-16	05-Aug-16	6					
B02415	Fabrication of F/C System	60	60	0%	05-Aug-16	18-Oct-16	6					
Aluminium Metal Canopy												
B02450	Shop Drawing Submission and Approval	30	30	0%	02-Jul-16	05-Aug-16	21					
B02465	Fabrication of F/C System	60	60	0%	06-Aug-16	18-Oct-16	21					
031 Outbound (HM) and DPH Secondary Screen Building												
A03100	Excavation + Blinding	10	10	0%	15-Jul-16	26-Jul-16	-25					
A03110	Raft Foundation	35	35	0%	27-Jul-16	05-Sep-16	-25					
A03140	Super Structure	89	89	0%	06-Sep-16	21-Dec-16	-25					
060 Single-Storey Support Building Associated with Buildings 044 & 045												
A06000	Excavation + Blinding	5	5	0%	14-Sep-16	20-Sep-16	-157					
A06010	Raft Foundation (Traper)	25	25	0%	21-Sep-16	21-Oct-16	-157					
A06040	Excavation + Blinding (Strip part)	15	15	0%	21-Sep-16	08-Oct-16	-36					
061 Telecom Building												

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30-Apr-16	3MRP updated as of 30 Apr. 2016	ZJ	
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■ Actual Work
■ Remaining Work
■ Critical
◆ Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				29-Jun-16	
								Jun	Jul	Aug	Sep		
A06120	Excavation + Blinding	5	5	0%	02-Jul-16	07-Jul-16	12						
A06130	Raft Foundation	25	25	0%	03-Oct-16	01-Nov-16	-60						
A06140	Super Structure	40	40	0%	02-Nov-16	17-Dec-16	-60						
B06110	Aluminium Metal Canopy												
B06110	Shop Drawing Submission and Approval	30	30	0%	25-Aug-16	29-Sep-16	55						
101 Outbound Traffic Control Kiosk													
A10100	Excavation + Blinding	5	5	0%	02-Jul-16	07-Jul-16	-83						
A10110	Raft Foundation	13	13	0%	19-Oct-16	02-Nov-16	-168						
HPL Composite Panel Cladding System													
B10110	Shop Drawing Submission and Approval	30	30	0%	02-Jul-16	05-Aug-16	76						
B10120	Fabrication of HPL Cladding	60	60	0%	06-Aug-16	18-Oct-16	76						
External Works for Portion J													
Drainage Works													
B00110	Initial Survey	6	6	0%	02-Jul-16	08-Jul-16	-57						
SG4220	Drainage Works (3435m & 117MHs)	180	178	1%	25-Apr-16 A	02-Mar-17	-73						
SG4340	Sewerage (845m & 22MHs)	180	178	1%	01-Jun-16 A	02-Mar-17	-73						
Waterpipe Laying													
SW4230	Fresh Water Main Laying (1541m)	180	180	0%	26-Aug-16	03-Apr-17	-73						
SW4240	Flushing Water Main Laying (662m)	180	180	0%	30-Jul-16	08-Mar-17	-51						
Duct Laying for Utilities, Telecom Cabling, TCSS & Lighting													
SU5420	Duct Laying for Utilities/Telecom Cabling	180	180	0%	26-Aug-16	03-Apr-17	-73						
SU5430	Duct Laying for TCSS & Lighting	180	180	0%	26-Aug-16	03-Apr-17	-73						
Sign Gantry DS103													
SS0140	Sign Gantry DS104 P-bored Piling, 8 Nr.	30	30	0%	05-Aug-16	08-Sep-16	87						
SS5140	Submission and approval for Sign Gantry	60	60	0%	02-Jul-16	09-Sep-16	-44						
SS5150	Fabrication & Delivery of Sign Gantrys to Site	180	180	0%	10-Sep-16	22-Apr-17	-44						
PORTION K, L & M													
Portion K Building													
A00210	Excavation + Blinding	5	5	0%	12-Aug-16	17-Aug-16	-34						
Portion M Buildings													
108 - EXED Mobile X-ray Operation Office, Portion M													
B10800	Excavation + Blinding	5	5	0%	01-Aug-16	05-Aug-16	-94						
B10810	Substructure (raft Foundation)	20	20	0%	06-Aug-16	29-Aug-16	-94						
B10840	Super Structure (Roof beams & Slabs)	30	30	0%	30-Aug-16	05-Oct-16	-94						
HPL Composite Panel Cladding System													
C10810	Shop Drawing Submission and Approval	30	30	0%	01-Aug-16	03-Sep-16	10						
C10820	Fabrication of HPL Cladding	60	60	0%	05-Sep-16	16-Nov-16	10						
104 DOP Screening Station, at Portion M													
C10400	Excavation + Blinding	5	5	0%	06-Aug-16	11-Aug-16	-49						
Facade Envelop Structure Installation													
D10450	Shop Drawing Submission and Approval	30	30	0%	01-Aug-16	03-Sep-16	55						
D10455	Fabrication of FFC System	60	60	0%	05-Sep-16	16-Nov-16	55						
External Works													
Additional Works (Fitting & RE Slopp) & Drainage Works													
SG0010	Initial Survey for Portion K, L & M	6	6	0%	08-Jun-16 A	06-Aug-16	-107						

Actual Work	Remaining Work	Critical	Milestone
█	█	█	◆

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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				
								Jun	Jul	Aug	Sep	
SG0090	Additional Works (Filling & RE Slope)	148	148	0%	08-Jun-16	26-Jan-17	-91					
Slope Works at Portion M												
SL0020	Cutting Existing Slope	30	30	0%	08-Aug-16	10-Sep-16	-91					
SL0030	Laying Granular Fill & Backfilling Slope	30	30	0%	12-Sep-16	19-Oct-16	-91					
Campy and Covered Walkway												
CC1400	Shop drawing, Approved & Fabrication	136	136	0%	01-Aug-16	12-Jan-17	-65					
PORTION N												
Portion N Structure												
Box Culvert B												
Bored Pile												
SB0570	Box B - Bore Pile, 30 nos.	85	85	0%	02-Aug-16	11-Nov-16	-7					
Portion N Buildings												
104 DOU Screening Station, at Portion N												
C10405	Excavation + Blinding	5	5	0%	02-Aug-16	06-Aug-16	26					
C10410	Structure (Raft Foundation)	25	25	0%	08-Aug-16	05-Sep-16	26					
C10420	Finishing	45	45	0%	06-Sep-16	31-Oct-16	195					
E10410	BS for Office Accommodations (KD9)	70	70	0%	06-Sep-16	29-Nov-16	26					
E10430	Other BS + E & M Installation	130	130	0%	26-Sep-16	04-Mar-17	94					
Facade Envelop Structure Installation												
D10410	Shop Drawing Submission and Approval	30	30	0%	17-Aug-16	21-Sep-16	52					
D10415	Fabrication of FC System	60	60	0%	22-Sep-16	02-Dec-16	52					
105 EXED Detention Area Guard Booth												
A10600	Excavation + Blinding	5	5	0%	02-Aug-16	06-Aug-16	31					
A10610	Structure (Raft Foundation)	20	20	0%	08-Aug-16	30-Aug-16	31					
A10640	Finishing	45	45	0%	31-Aug-16	25-Oct-16	200					
E10640	BS for Office Accommodations (KD9)	70	70	0%	31-Aug-16	23-Nov-16	31					
E10660	Other BS + E & M Installation	130	130	0%	20-Sep-16	27-Feb-17	99					
107 EXED Mobile X-ray Operation Office, Portion N												
A10700	Excavation + Blinding	5	5	0%	08-Aug-16	12-Aug-16	54					
A10710	Substructure (Raft Foundation)	25	25	0%	31-Aug-16	29-Sep-16	39					
External Works for Portion N												
Drainage Works												
B00150	Initial Survey	12	12	0%	02-Aug-16	15-Aug-16	-101					
SC4520	Drainage Works (3359m & 107MHs)	126	126	0%	16-Aug-16	16-Jan-17	-29					
SC4640	Sewerage (383m & 12MHs)	126	126	0%	15-Aug-16	16-Jan-17	-29					
Waterpipe Laying												
SW4530	Fresh Water Main Laying (641m)	126	126	0%	13-Sep-16	16-Feb-17	-29					
SW4540	Flushing Water Main Laying (413m)	126	126	0%	13-Sep-16	16-Feb-17	-29					
Duct Laying for Utilities Telecom Cabling, TCSS & Lighting												
SU5460	Duct Laying for Utilities Telecom Cabling	126	126	0%	13-Sep-16	16-Feb-17	-29					
SU5470	Duct Laying for TCSS & Lighting	125	125	0%	14-Sep-16	16-Feb-17	-101					
PORTION P												
Portion Structure												
Retaining Wall RW1												
S10810	Construction of Retaining Wall RW1 (U-shape, 5 bays)	100	100	0%	24-Aug-16	21-Dec-16	56					
Portion P Buildings												
105 EXED Guard Booth, Portion P												

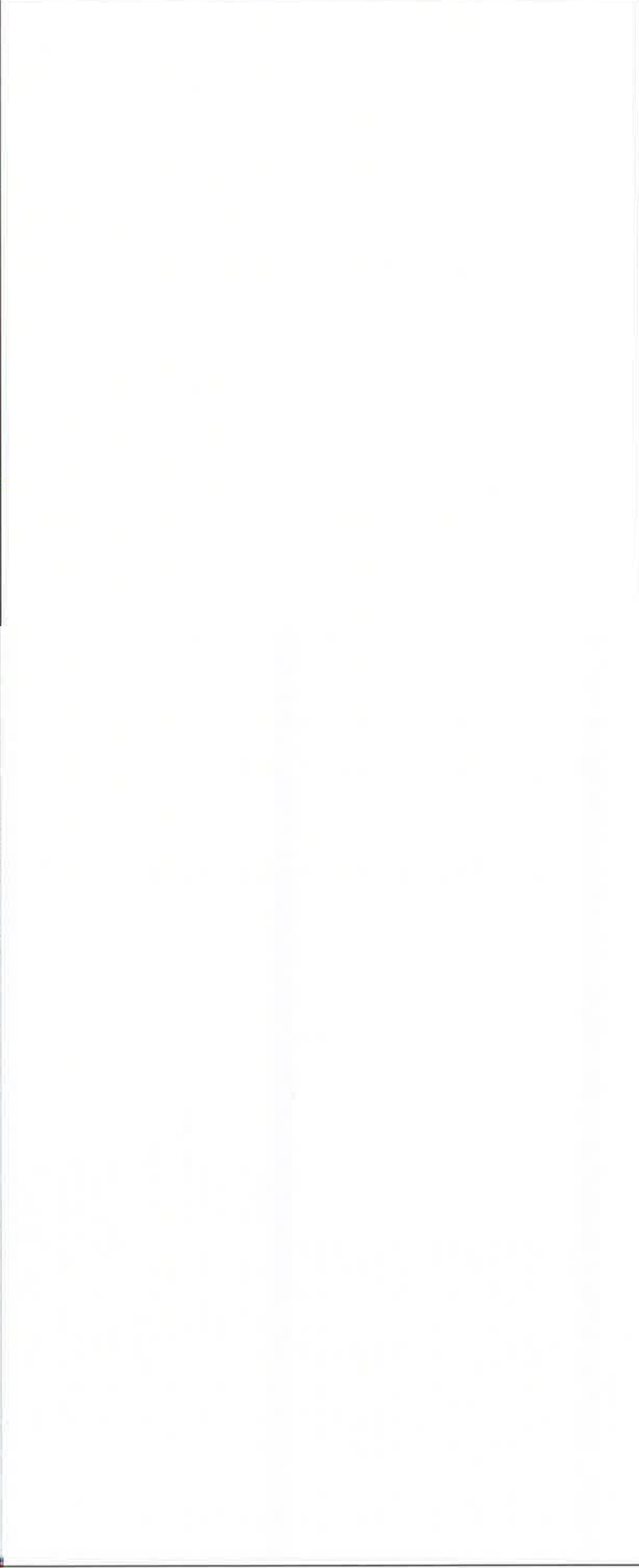
Date	Revision	Checked	Approved
30-Apr-16	3MRP updated as of 30-Apr-2016	ZJ	
31-May-16	3MRP updated as of 31-May-2016	ZJ	
30-Jun-16	3MRP updated as of 30-June-2016	ZJ	

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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- Actual Work
- Remaining Work
- Critical
- Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	2016				Total Float
							Jun	Jul	Aug	Sep	
A10510	Excavation + Blinding	5	5	0%	24-Aug-16	29-Aug-16					42
Facade Envelop Structure Installation											
A10560	Shop Drawing Submission and Approval	30	30	0%	24-Aug-16	28-Sep-16					50
A10565	Fabrication of F/C System	60	60	0%	29-Sep-16	09-Dec-16					50
External Works for Portion P											
Drainage Works											
B00160	Initial Survey	6	6	0%	24-Aug-16	30-Aug-16					0
SG4670	Drainage Works (4651m & 129MHs)	105	105	0%	31-Aug-16	06-Jan-17					40
SG4790	Sewerage (269m & 7MHs)	105	105	0%	31-Aug-16	06-Jan-17					40
Waterpipe Laying											
SW4680	Fresh Water Main Laying (1270m)	105	105	0%	29-Sep-16	07-Feb-17					40
SW4690	Flushing Water Main Laying (455m)	105	105	0%	29-Sep-16	07-Feb-17					40
Duct Laying for Utilities/telecom Cabling, TCSS & Lighting											
SU5480	Duct Laying for Utilities/Telecom Cabling	105	105	0%	29-Sep-16	07-Feb-17					41
SU5490	Duct Laying for TCSS & Lighting (KD15)	24	24	0%	09-Sep-16	08-Oct-16					0
Landscape Works											
A51170	Design and Procurement for Irrigation System	274	274	0%	30-Jun-16	30-Mar-17					-11



Actual Work	Remaining Work	Critical	Milestone
Blue bar	Green bar	Red bar	Diamond

Date	Revision	Checked	Approved
30-Apr-16	3MRP updated as of 30 Apr. 2016	ZJ	
31-May-16	3MRP updated as of 31 May 2016	ZJ	
30-Jun-16	3MRP updated as of 30 June 2016	ZJ	

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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016						
								Jul	Aug	Sep	Oct	Nov		
CONTRACT DATES														
Key Dates														
A1150	09-Oct-16*	0	0	0%			0							
Site Access & Possession														
Possession of Portion of Site														
A0010	Possession of Portion A1 (<= 70 days)	0	0	0%		31-Jul-16*	-408							
A0020	Possession of Portion A2 (<= 75 days)	0	0	0%		31-Jul-16*	-403							
A0030	Possession of Portion B (<= 100 days)	0	0	0%		31-Jul-16*	-378							
A0040	Possession of Portion C (<= 100 days)	0	0	0%		26-Aug-16*	-405							
A0050	Possession of Portion D (<= 220 days)	0	0	0%		31-Jul-16*	-258							
A0060	Possession of Portion E (<= 160 days)	0	0	0%		31-Jul-16*	-318							
A0080	Possession of Portion G (<= 225 days)	0	0	0%		31-Jul-16*	-265							
A0090	Possession of Portion H1 (<= 273 days)	0	0	0%		31-Jul-16*	-205							
A0100	Possession of Portion H2 (<= 273 days)	0	0	0%		31-Jul-16*	-158							
A0110	Possession of Portion J (<= 320 days)	0	0	0%		31-Jul-16*	-79							
A0120	Possession of Portion K (<= 478 days)	0	0	0%		31-Jul-16*	-12							
A0130	Possession of Portion L (<= 478 days)	0	0	0%		31-Jul-16*	-134							
A0140	Possession of Portion M (<= 478 days)	0	0	0%		01-Aug-16*	-135							
A0150	Possession of Portion N (<= 345 days)	0	0	0%		23-Aug-16*	0							
A0160	Possession of Portion P (<= 502 days)	0	0	0%			0							
Access to Locations of the Site														
A0210	Contract Date for Access to Location 1.1 (490 days)	0	0	0%		11-Aug-16*	0							
A0220	Contract Date for Access to Location 1.2 (405 days)	0	0	0%		31-Jul-16*	-73							
A0230	Contract Date for Access to Location 1.3 (488 days)	0	0	0%		09-Aug-16*	0							
A0240	Contract Date for Access to Location 1.4 (488 days)	0	0	0%		09-Aug-16*	0							
A0310	Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days)	0	0	0%		31-Jul-16*	-83							
A0320	Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days)	0	0	0%		05-Sep-16*	0							
A0330	Contract Date for Access to External Area for Contract HY/2013/01 for ELV System Installation (570 days)	0	0	0%		30-Oct-16*	0							
A0340	Contract Date for Access to External Area for Contract HY/2013/02 for ELV System Installation (560 days)	0	0	0%		20-Oct-16*	0							
A0350	Contract Date for Access to External Area for Contract HY/2013/04 ELV System Installation (560 days)	0	0	0%		20-Oct-16*	0							
PRELIMINARY														
Precast Yard for Bridge Segment														
A0630	Segment Manufacture	300	285	5%	17-Jun-16 A	18-Jul-17	-86							
PORTION A1														
Portion A1 Structures														
Bridge A3														
Bored Pile														
S91015	Bored piles for P904, A905, 4nos	58	58	0%	01-Aug-16	08-Oct-16	-51							
S91020	Bored piles, 6 nos. (2 cast)	29	19	35%	17-May-16 A	01-Nov-16	-51							
S91030	Pile testing for P904, A905	7	7	0%	25-Oct-16	01-Nov-16	-32							
Retaining Wall W8-1														

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30-Jul-16	3MRP updated as of 31-Jul 2016	ZJ	

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Actual Work
 Remaining Work
 Critical
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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Jul	Aug	Sep	Oct	Nov
S82110	Construction of Retaining Wall WB-1 (U-shape, 4 bays)	80	80	0%	21-Oct-16	25-Jan-17	7					
Box Culvert D												
Bored Pile												
SD00040	Bored Piling for Box Culvert D 45 nr. (41 no. cast)	128	0	100%	05-Oct-15 A	13-Jul-16 A						
SD00090	Box Culvert D Pile Testing (Stage 2)	7	0	100%	14-Jul-16 A	21-Jul-16 A						
SD01130	Box Culvert D Pile Testing (Stage 3)	7	0	100%	14-Jul-16 A	21-Jul-16 A						
SD01140	Box Culvert D Pile Testing (Stage 4)	7	7	0%	19-Sep-16	26-Sep-16	-6					
Box Culvert D Construction												
SD00060	Box Culvert D Construction (Bay 32 - 36)	50	45	10%	17-May-16 A	22-Sep-16	72					
SD00070	Box Culvert D Construction (Bay 37 - 42)	50	50	1%	02-Jul-16 A	28-Sep-16	68					
SD01110	Box Culvert D Construction (Stage 3)	50	50	0%	27-Jul-16 A	28-Sep-16	-8					
SD01150	Box Culvert D Construction (Stage 4)	75	75	0%	29-Sep-16	29-Dec-16	-8					
047 - Fresh Water Pumping Station, Portion A1 & A2												
A04710	Piling 4nr. (4 cast)	34	0	100%	25-Apr-16 A	02-Jul-16 A						
A04720	Excavation + Blinding	12	12	0%	01-Aug-16	13-Aug-16	-106					
A04730	Pile Testing	7	7	0%	15-Aug-16	22-Aug-16	-106					
A04740	Water Tank Construction	58	58	0%	23-Aug-16	01-Nov-16	-106					
049 - Sewage Treatment Plant, Portion A1 & A2												
A04940	Bored Piling (39 Nr) (38 Nr. cast)	148	0	100%	29-Dec-15 A	13-Jul-16 A						
A04945	Removal of Surcharge	22	18	18.18%	14-Jul-16 A	20-Aug-16	-188					
A04950	Sheet Piling as ELS1 for Equalization Tanks	13	13	0%	22-Aug-16	05-Sep-16	-182					
A04960	Sheet Piling as ELS2 for Sludge Holding Tanks	13	13	0%	22-Aug-16	05-Sep-16	-188					
A04970	Sheet Piling as ELS3 for Basement	25	25	0%	05-Sep-16	06-Oct-16	-182					
A04980	Pile Testing in ELS1	7	7	0%	05-Sep-16	13-Sep-16	-178					
B04910	Pile Testing for others	7	7	0%	05-Sep-16	13-Sep-16	-188					
B04960	ELS1 + Blinding for Equalization Tanks	14	14	0%	14-Sep-16	30-Sep-16	-178					
B04970	Constructing Base Slab for Equalization Tanks	15	15	0%	03-Oct-16	20-Oct-16	-178					
B04980	Backfilling + Removing 3rd Strut of ELS1	6	6	0%	21-Oct-16	27-Oct-16	-178					
B04990	Constructing Wall Stem for Equalization Tanks	20	20	0%	28-Oct-16	19-Nov-16	-178					
C04930	ELS2 + Blinding for Equalization Tanks	10	10	0%	03-Oct-16	14-Oct-16	-188					
C04940	Constructing Base Slab of Equalization Tanks	20	20	0%	15-Oct-16	07-Nov-16	-122					
D04910	ELS3 w/struts + Blinding for Basement	30	30	0%	15-Oct-16	18-Nov-16	-188					
Portion A1 Buildings												
012 - DOH Disinsection Area and Store Room 1, at Portion A1												
A01210	Excavation & Blinding (+ PL Test)	10	0	100%	30-May-16 A	16-Jul-16 A						
A01220	Raft Foundation	20	0	100%	18-Jul-16 A	23-Jul-16 A						
A01240	Superstructure	35	34	2%	25-Jul-16 A	09-Sep-16	14					
A01250	Finishing	80	80	0%	09-Sep-16	15-Dec-16	87					
A01260	BS for Office Accommodation (Stage 8)	73	73	0%	09-Sep-16	07-Dec-16	14					

<p>Actual Work</p> <p>Remaining Work</p> <p>Critical</p> <p>Milestone</p>	<p>THREE MONTH ROLLING PROGRAMME</p> <p>VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES</p> <p>Page 2 of 15</p>	<p>Date</p> <p>31-May-16</p> <p>30-Jun-16</p> <p>30-Jul-16</p>	<p>Revision</p> <p>3MRP updated as of 31 May 2016</p> <p>3MRP updated as of 30 June 2016</p> <p>3MRP updated as of 31 Jul. 2016</p>	<p>Checked</p> <p>Z/J</p> <p>Z/J</p> <p>Z/J</p>	<p>Approved</p>
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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete Start	Finish	Total Fical	2016					
							Jul	Aug	Sep	Oct		
036 - Weigh Station												
A01280	Other BS + E&M Installation	150	150	0% 29-Sep-16	01-Apr-17	71						
A03640	Finishing	120	27	77.5% 13-Jan-16 A	31-Aug-16	111						
A03670	BS for Office Accommodation (Stage 8)	90	18	80% 13-Jan-16 A	20-Aug-16	93						
A03680	BS + E&M for Office Accommodation (Stage 9)	90	90	0% 22-Aug-16	07-Dec-16	93						
A03690	Other BS + E&M Installation	180	102	43.33% 02-Nov-15 A	30-Nov-16	169						
037 C&ED Tower Cum Inbound Cargo Examination Building (Portion A1 & B)												
A03740	Steel Frame Structure	90	90	0% 01-Aug-16	16-Nov-16	181						
A03750	Finishing	200	165	17.5% 30-May-16 A	18-Feb-17	106						
A03760	BS for Office Accommodation (Stage 8)	63	63	0% 01-Aug-16	15-Oct-16	-118						
A03770	BS + E&M for Office Accommodation (Stage 9)	90	90	0% 17-Oct-16	04-Feb-17	48						
A03780	BS + E&M for AVCSS Works (KD18A)	52	52	0% 17-Oct-16	15-Dec-16	-118						
A03790	Other BS + E&M Installation	235	173	26.38% 15-Dec-15 A	28-Feb-17	98						
041 Fire Station Cum Ambulance Depot												
A04100	Excavation + Blinding (+ PL Test)	14	0	100% 24-May-16 A	16-Jul-16 A							
A04110	Substructure	84	27	67.86% 13-Jun-16 A	31-Aug-16	-152						
A04120	Super Structure	160	160	0% 01-Sep-16	16-Mar-17	-152						
042 Drill Tower												
A04250	Super Structure	69	26	62.32% 05-May-16 A	30-Aug-16	-32						
A04260	Finishing	80	80	0% 31-Aug-16	05-Dec-16	-32						
A04270	BS for Office Accommodation (Stage 8)	65	65	0% 31-Aug-16	17-Nov-16	26						
A04290	Other BS + E&M Installation	160	160	0% 21-Sep-16	05-Apr-17	68						
043 DOH Office												
A04340	Super Structure	60	18	70% 27-May-16 A	20-Aug-16	40						
A04350	Finishing	120	120	0% 22-Aug-16	14-Jan-17	63						
A04370	BS for Office Accommodation (Stage 8)	69	69	0% 22-Aug-16	12-Nov-16	40						
B04310	Other BS + E&M Installation	170	170	0% 09-Sep-16	06-Apr-17	67						
043 DOH Office (Store Room)												
B04370	Super Structure with Water Tank	51	18	64.71% 27-May-16 A	20-Aug-16	113						
B04380	Finishing	50	50	0% 22-Aug-16	21-Oct-16	113						
B04390	Other BS + E&M Installation	90	90	0% 22-Oct-16	10-Feb-17	113						
052 - Transforms (Zone 4)												
A05235	Energisation by CLP	50	10	80% 24-Feb-16 A	11-Aug-16	207						
A05240	BS Installation (KD9)	66	17	75% 02-Nov-15 A	19-Aug-16	111						
A05250	Finishing (KD10)	87	9	90% 14-Dec-15 A	10-Aug-16	111						
A05260	Completion of remaining works	66	66	0% 19-Aug-16	08-Nov-16	189						
External Works for Portion A1												
Drainage Works												

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- █ Actual Work
- █ Remaining Work
- █ Critical
- ◆ Milestone

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				
								Jul	Aug	Sep	Oct	Nov
SG0020	Drainage Works (2025m & 94MHs)	250	225	10%	16-Sep-15 A	06-May-17	-95					
SG0030	Sewerage (669m & 25MHs)	250	225	10%	04-Jan-16 A	06-May-17	-95					
Waterpipe Laying												
SW5010	Fresh Water Main Laying (1660m)	250	250	0%	21-Sep-16	27-Jul-17	-95					
SW6010	Flushing Water Main Laying (967m)	250	250	0%	21-Sep-16	27-Jul-17	-95					
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting												
SUS260	Duct Laying for Utilities/Telecom Cabling	250	250	0%	21-Sep-16	27-Jul-17	-95					
PORTION A2												
Portion A2 Structures												
048 - Reclaimed Water Pumping Station, Portion A2												
A04830	Sheet Piling as ELS for Basement 1	12	12	0%	01-Aug-16	13-Aug-16	-117					
A04840	Pile testing	7	7	0%	15-Aug-16	22-Aug-16	-117					
A04850	Excavation + Blinding for Basement 1	10	10	0%	23-Aug-16	02-Sep-16	-117					
A04860	Basement 1 Construction	40	40	0%	03-Sep-16	22-Oct-16	-117					
A04865	Water-tightness Test for Basement 1	12	12	0%	24-Oct-16	05-Nov-16	-117					
Retaining Wall W9-2												
S90850	Construction of Retaining Wall W9-2 (U-shape, 6 bay)	120	120	0%	12-Aug-16	05-Jan-17	26					
External Works for Portion A2												
Drainage Works												
B00020	Initial Survey	6	6	0%	01-Aug-16	06-Aug-16	-294					
PORTION B												
Portion B Structures												
Retaining Wall W6-1												
S62050	Construction of Retaining Wall W6-1 (L-shape, 4 bays)	80	80	0%	29-Sep-16	05-Jan-17	36					
027 - Staff Subway												
C02750	Bay 14-19 Construction - Wall + Top Slab	30	0	100%	17-Feb-16 A	14-Jul-16 A						
C02760	Internal Finishes & Cable Containment (KD1)	30	30	0%	01-Aug-16	03-Sep-16	-132					
C02770	BS + E&M Installation for ACVSS (Stage 1)	30	30	0%	11-Aug-16	14-Sep-16	-132					
028 - Staff Subway												
C02820	Bay 20-24 Construction - Base Slab	28	63	0%	25-Feb-16 A	15-Oct-16	-248					
C02830	Bay 20-24 Construction - Wall + Top Slab	150	127	15.33%	03-May-16 A	31-Dec-16	-248					
029 - Staff Subway												
C02920	Bay 25-29 Construction - Base Slab (27 & 28 cast)	22	11	50%	03-May-16 A	12-Aug-16	-121					
C02930	Bay 25-29 Construction - Wall + Top Slab (27 & 28 cast)	28	14	50%	04-Jul-16 A	16-Aug-16	-121					
C02940	Bay 30-33 Construction - Base Slab (Bay 30 cast)	21	16	25%	30-Apr-16 A	18-Aug-16	-137					
C02950	Bay 30-33 Construction - Wall + Top Slab	27	27	0%	01-Aug-16	31-Aug-16	-137					
C02960	Internal Finishes & Cable Containment (KD1)	21	21	0%	19-Aug-16	12-Sep-16	-137					
C02970	BS + E&M Installation for ACVSS (Stage 1)	20	20	0%	29-Aug-16	21-Sep-16	-137					
Portion B Buildings												
027/028 Inbound Kiosks & 029 Outbound Kiosks												

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■ Actual Work
■ Remaining Work
■ Critical
◆ Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				
								Jul	Aug	Sep	Oct	
A02700	Submission & Approval for Steel Works	50	26	48%	01-Apr-16 A	30-Aug-16	-222					
A02710	Pre-fabrication for the Steel Kiosks	100	100	0%	31-Aug-16	30-Dec-16	-222					
027 028 Inbound Kiosks & 029 Outbound Kiosks, Section IX, Subject to Excision												
B02730	Submission & Approval for Steel Works	75	26	65.33%	01-Apr-16 A	30-Aug-16	-95					
B02740	Pre-fabrication for the Steel Kiosks	100	100	0%	31-Aug-16	30-Dec-16	-95					
026 Inbound IMMD and DOH Secondary Screening Building												
A02630	Super Structure	70	52	25.71%	16-Feb-16 A	30-Sep-16	-60					
A02640	Finishing	75	75	0%	03-Oct-16	31-Dec-16	144					
A02670	BS for Office Accommodation (Stage B)	90	90	0%	03-Oct-16	19-Jan-17	-31					
A02690	Other BS + E&M Installation	180	171	5%	01-Feb-16 A	23-May-17	32					
054 Inbound Fixed X-ray Building												
A05440	Super Structure for Tx Room	60	0	100%	02-Mar-16 A	28-Jul-16 A						
A05450	Other Superstructure	65	65	0%	01-Aug-16	18-Oct-16	-168					
A05460	Finishing	150	150	0%	01-Aug-16	01-Feb-17	121					
A05465	BS + E&M for Tx Room to CLP (Stage 5)	97	97	0%	01-Aug-16	24-Nov-16	-172					
A05470	BS for Office Accommodation (Stage B)	90	90	0%	19-Oct-16	07-Feb-17	-44					
A05490	Other BS + E&M Installation	180	171	5%	08-Feb-16 A	08-Jun-17	19					
038 AFCD Office												
A03810	Excavation + Blinding (+ PL Test)	7	7	0%	18-Jul-16 A	19-Aug-16	-166					
A03820	Substructure	24	24	0%	29-Aug-16	26-Sep-16	-173					
A03830	Super Structure	90	90	0%	27-Sep-16	14-Jan-17	-117					
039 Police Main Building												
A03910	Excavation + Blinding (+ PL Test)	12	12	0%	18-Jul-16 A	13-Aug-16	-254					
A03920	Substructure	70	70	0%	15-Aug-16	07-Nov-16	-254					
040 Incident Control Tower												
A04010	Excavation + Blinding (+ PL Test)	10	10	0%	18-Jul-16 A	11-Aug-16	-173					
A04020	Substructure	14	14	0%	12-Aug-16	27-Aug-16	-173					
A04040	Super Structure	97	97	0%	27-Sep-16	23-Jan-17	-173					
Facade Cladding System												
B04010	Shop Drawing Submission and Approval	30	30	0%	01-Aug-16	03-Sep-16	-19					
B04020	Fabrication of F/C System	60	60	0%	05-Sep-16	16-Nov-16	-19					
Glass Wall												
C04010	Shop Drawing Submission and Approval	30	30	0%	06-Oct-16	10-Nov-16	-56					
102 HKPF UVSS Monitor Room												
A10220	Super Structure	45	18	60%	20-May-16 A	20-Aug-16	23					
A10230	Finishing (False Ceiling) (KD9)	70	70	0%	22-Aug-16	14-Nov-16	39					
A10240	BS for Office Accommodation (Stage B)	80	80	0%	22-Aug-16	25-Nov-16	23					
A10270	Other BS + E&M Installation	150	150	0%	09-Sep-16	13-Mar-17	87					
103 Police Inspection Post												
A10310	Excavation + Blinding	5	5	0%	09-Aug-16	13-Aug-16	-31					
HPL Composite Panel Cladding System												

Actual Work
 Actual Work
 Remaining Work
 Critical
 Milestone

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

30-Jul-16

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Jul	Aug	Sep	Oct	Nov
B10310	Shop Drawing Submission and Approval	30	30	0%	23-Sep-16	29-Oct-16	-63					
057 Transformers (Zone 2)												
A05710	Excavation + Blinding	10	0	100%	27-Jun-16 A	23-Jul-16 A						
A05720	Raft Foundation	52	52	0%	25-Jul-16 A	30-Sep-16	-296					
A05730	Superstructure	65	65	0%	03-Oct-16	17-Dec-16	-296					
107 - C&ED Mobile X-ray Operation Office (Cargo), Portion B												
C10710	Excavation + Blinding	7	7	0%	01-Aug-16	08-Aug-16	-120					
C10720	Raft Foundation	32	32	0%	09-Aug-16	14-Sep-16	-120					
C10730	Superstructure (Roof Slabs)	62	62	0%	15-Sep-16	29-Nov-16	-120					
113 - Field Kiosk for Access Control, Portion B												
B11310	Excavation + Blinding	7	0	100%	29-Jun-16 A	09-Jul-16 A						
B11320	Raft Foundation	32	32	0%	01-Aug-16	06-Sep-16	-116					
B11330	Superstructure (Roof Beams & Slabs)	60	60	0%	07-Sep-16	18-Nov-16	-116					
External Works for Portion B												
Radiation Screen Wall, Portion B												
BB1580	Construction of Radiation Screen Wall	75	52	30.67%	07-Mar-16 A	30-Sep-16	12					
Drainage Works												
SG1540	Drainage Works (4397m & 174MHs)	300	225	25%	17-Dec-15 A	06-May-17	-161					
SG3580	Sewerage (1330m & 34MHs)	300	225	25%	02-Jan-16 A	06-May-17	-161					
Waterpipe Laying												
SW1550	Fresh Water Main Laying (1972m)	300	300	0%	01-Aug-16	04-Aug-17	-161					
SW1560	Flushing Water Main Laying (1851m)	300	300	0%	01-Aug-16	04-Aug-17	-161					
Duct Laying for Utilities Telecom Cabling, TCSS & Lighting												
SUS300	Duct Laying for Utilities/telecom Cabling	300	300	0%	01-Aug-16	04-Aug-17	-161					
SUS310	Duct Laying for TCSS & Lighting	100	100	0%	25-Oct-16	24-Feb-17	-108					
Roadworks												
SR1640	Subbase (43152 ton)	342	342	0%	08-Aug-16	29-Sep-17	-161					
SR3590	Bitumen Pavement (61126 ton)	342	342	0%	05-Sep-16	31-Oct-17	-161					
SR3600	Rigid Pavement (594 m3), Footpath & EVA	342	342	0%	05-Sep-16	31-Oct-17	-161					
Sign Gantry ADS 306A & ADS 306B												
SS5230	Submission and approval for Sign Gantry	100	80	20%	03-May-16 A	04-Nov-16	-159					
PORTION C												
Portion C Buildings												
010 - Inbound Coach Kiosk & Staff Subway Entrance												
A01010	Substructure and Staircase Construction	60	60	0%	01-Aug-16	12-Oct-16	-262					
A01020	Kiosk Superstructure	100	100	0%	13-Oct-16	13-Feb-17	-262					
009 - Shuttle Bus Kiosk & Staff Subway Entrance												
A00910	ELS + Blinding (Bay 0-3) (4 bay)	42	0	100%	06-May-16 A	09-Jul-16 A						
A00920	Constructing Base Slab of Bay 0-3 (Bay 3 cast)	28	0	100%	14-May-16 A	30-Jul-16 A						
A00930	Constructing Wall + Top Slab of Bay 0-3 (Bay 2 & 3 cast)	37	30	18.92%	20-Jun-16 A	03-Sep-16	-203					

Actual Work	Revision	Date
Remaining Work	3MRP updated as of 31 May 2016	31-May-16
Critical	3MRP updated as of 30 June 2016	30-Jun-16
Milestone	3MRP updated as of 31 Jul 2016	30-Jul-16

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016					
								Jul	Aug	Sep	Oct	Nov	
A00940	Finishing	30	30	0%	24-Aug-16	28-Sep-16	-203						
A00950	BS + E&M for AVCSS works (Stage 1)	30	30	0%	02-Sep-16	08-Oct-16	-203						
B00910	Substructure and Staircase Construction (Portion B&C)	43	43	0%	11-Oct-16	29-Nov-16	-203						
012 - DOH Disinsection Area and Store Room 1, at Portion C													
B01210	Excavation & Blinding	10	10	0%	01-Aug-16	11-Aug-16	-14						
B01220	Flat Foundation	20	20	0%	12-Aug-16	03-Sep-16	-8						
B01230	Superstructure	35	35	0%	05-Sep-16	18-Oct-16	-8						
B01240	Finishing	80	80	0%	19-Oct-16	23-Jan-17	56						
B01270	BS for Office Accommodation (Stage 8)	70	70	0%	19-Oct-16	11-Jan-17	-8						
104 - DOH Secondary Screening Station, at Portion C													
A10420	Excavation & Blinding	5	5	0%	27-Aug-16	01-Sep-16	-27						
Facade Cladding System													
A10460	Shop Drawing Submission and Approval	30	30	0%	27-Aug-16	03-Oct-16	2						
A10465	Fabrication of FC System	60	60	0%	04-Oct-16	13-Dec-16	2						
108 C&ED Mobile X-ray Machine Operation Office, Portion C													
A10805	Excavation & Blinding	5	5	0%	02-Sep-16	07-Sep-16	-57						
A10810	Flat Foundation	25	25	0%	08-Sep-16	08-Oct-16	-57						
A10840	Super Structure (Roof Beams & Slabs)	40	40	0%	11-Oct-16	25-Nov-16	-57						
HPL Composite Panel Cladding System													
A10800	Shop Drawing Submission and Approval	30	30	0%	06-Oct-16	10-Nov-16	1						
110 IMMD Guard Booth (Type 2)													
A11020	Excavation & Blinding	5	5	0%	02-Sep-16	07-Sep-16	-27						
A11030	Substructure	25	25	0%	08-Sep-16	08-Oct-16	-1						
A11080	Finishing	45	45	0%	11-Oct-16	01-Dec-16	98						
A11090	BS for Office Accommodation (Stage 8)	70	70	0%	11-Oct-16	03-Jan-17	-1						
B11020	Other BS + E&M Installation	130	130	0%	29-Oct-16	06-Apr-17	67						
Facade Envelop Structure Installation													
A11040	Shop Drawing Submission and Approval	30	30	0%	27-Aug-16	03-Oct-16	33						
A11045	Fabrication of FC System	60	60	0%	04-Oct-16	13-Dec-16	33						
111 Field Kiosk for Carpark Operator													
A11120	Excavation & Blinding	5	5	0%	27-Aug-16	01-Sep-16	-52						
HPL Composite Panel Cladding System													
B11110	Shop Drawing Submission and Approval	30	30	0%	27-Aug-16	03-Oct-16	33						
B11120	Fabrication of HPL Cladding	60	60	0%	04-Oct-16	13-Dec-16	33						
113 - Field Kiosk for Access Control, Portion C													
C11310	Excavation & Blinding	5	5	0%	27-Aug-16	01-Sep-16	-77						
C11320	Flat Foundation	30	30	0%	02-Sep-16	08-Oct-16	-77						
C11330	Superstructure (Roof Beams & Slabs)	60	60	0%	11-Oct-16	19-Dec-16	-77						
External Works for Portion C													
Works in Location 1.2, 1.8 & 011 - Emergency Generator Building													
BB1440	Works in Location 1.2	90	90	0%	01-Aug-16	16-Nov-16	91						
Drainage Works													
B00040	Initial Survey	12	12	0%	27-Aug-16	09-Sep-16	-239						
SG2400	Drainage Works (1695m & 32MHs)	120	120	0%	11-Oct-16	06-Mar-17	-262						
SG3610	Sewerage (186m & 4MHs)	120	120	0%	13-Oct-16	08-Mar-17	-142						
PORTION D													
Portion D Building													
113 - Field Kiosk for Access Control, Portion D													

■ Actual Work
■ Remaining Work
■ Critical
◆ Milestone

THREE MONTH ROLLING PROGRAMME

VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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Date	Revision	Checked	Approved
31-May-16	3MRP updated as of 31 May 2016	ZJ	
30-Jun-16	3MRP updated as of 30 June 2016	ZJ	
30-Jul-16	3MRP updated as of 31 Jul. 2016	ZJ	

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Jul	Aug	Sep	Oct	Nov
C11350	Excavation & Blinding	5	5	0%	08-Sep-16	13-Sep-16	-27					
C11360	Raft Foundation	30	30	0%	14-Sep-16	21-Oct-16	-27					
C11370	Superstructure (Roof Beams & Slabs)	60	60	0%	22-Oct-16	03-Jan-17	-27					
External Works for Portion D												
Drainage Works												
B00050	Initial Survey	6	6	0%	01-Aug-16	06-Aug-16	-33					
SG3640	Drainage Works (555m & 13MHs)	90	90	0%	08-Aug-16	23-Nov-16	-33					
SG3760	Sewerage (121m & 6MHs)	100	100	0%	08-Aug-16	05-Dec-16	-33					
Waterpipe Laying												
SW3650	Fresh Water Main Laying (108m)	100	100	0%	07-Oct-16	08-Feb-17	-33					
Duct Laying for Utilities Telecom Cabling, TCSS & Lighting												
B11480	ELV System Installation for Contract HY2013/02	60	60	0%	21-Oct-16	31-Dec-16	144					
SU5340	Duct Laying for Utilities/Telecom Cabling	100	100	0%	07-Oct-16	08-Feb-17	-33					
SU5350	Duct Laying for TCSS & Lighting	100	100	0%	07-Oct-16	08-Feb-17	-33					
PORTION E												
Portion E Building												
006 - Shuttle Bus Kiosk & Staff Subway Entrance, at Portion E & M												
A00610	ELS & Blinding for Subway	12	12	0%	08-Aug-16	20-Aug-16	-105					
A00620	Constructing base of Subway	25	25	0%	22-Aug-16	20-Sep-16	-105					
A00630	Constructing wall stem + top slab of Subway	40	40	0%	21-Sep-16	08-Nov-16	-105					
External Works for Portion E												
Drainage Works												
B00060	Initial Survey	6	6	0%	01-Aug-16	06-Aug-16	-105					
PORTION G Structures												
Portion G Structures												
Box Culvert C												
Steel H Pile												
SC5130	Box C - 164 nos. of driven H pile	60	60	0%	01-Aug-16	12-Oct-16	-122					
SC5530	Testing	50	50	0%	12-Sep-16	11-Nov-16	-108					
Box Culvert Structure												
SC0310	Box C - Branch Construction	45	45	0%	13-Oct-16	03-Dec-16	-44					
SC0360	Box C - Construction of Main Body	142	142	0%	13-Oct-16	03-Apr-17	-122					
Bridge A1												
Bored Pile												
S10120	Bore pile, 10 nos. (Ø No. cast)	58	12	80%	29-Feb-16A	13-Aug-16	19					
Pile Cap												
S10510	Cap - Pier A106	30	30	0%	25-Aug-16	30-Sep-16	19					
S10530	Cap - Pier P102, P105	30	0	100%	15-Jun-16A	20-Jul-16A						
Pier & Abutment												
S10610	Abutment A106	30	30	0%	30-Sep-16	07-Nov-16	19					
S10620	Pier P103, P104	25	0	100%	20-Jun-16A	18-Jul-16A						
S10630	Pier P102, P105 (P102 cast)	25	13	50%	27-Jun-16A	15-Aug-16	76					
Structure Deck												
S10760	Construct Bridge Deck, Bridge A1	125	125	0%	25-Jul-16A	02-Sep-17	-112					

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**THREE MONTH ROLLING PROGRAMME
VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES**

- █ Actual Work
- █ Remaining Work
- █ Critical
- ◆ Milestone

Activity ID	Activity Name	Original Duration	Remaining % Complete	Start	Finish	Total Float	2016					
							Jul	Aug	Sep	Oct	Nov	
Bridge A2												
Structure Deck												
S21570	Construct Deck, Bridge A2	120	108	10%	23-May-16 A	14-Aug-17	-102					
Bridge A3												
Bored Pile												
S31630	Bore piling for A305, P304a/b (5 Nr.)	43	0	100%	06-Jun-16 A	30-Jul-16 A						
S31640	Bore piling for P302, P303, A305 (6Nr.)	34	0	100%	13-Jun-16 A	31-Jul-16 A						
S31670	Pile Testing for P304a/b	7	7	0%	05-Aug-16	12-Aug-16	15					
S31680	Pile Testing for P302, P303 & A305	7	7	0%	12-Aug-16	19-Aug-16	11					
Pile Cap												
S32030	Cap - P304a/b	30	30	0%	13-Aug-16	17-Sep-16	15					
S32040	Cap - Pier P302, P303, A305	30	30	0%	20-Aug-16	24-Sep-16	11					
Pier & Abutment												
S32120	Pier P304a, P304b	25	25	0%	19-Sep-16	19-Oct-16	15					
S32130	Abutment A305	30	30	0%	26-Sep-16	01-Nov-16	11					
S32150	Pier P302, P303	25	25	0%	20-Oct-16	17-Nov-16	15					
Bridge A4												
Bored Pile												
S42320	Bore pile 4 Nr.	33	0	100%	01-Jun-16 A	30-Jul-16 A						
S42340	Pile Testing	7	7	0%	10-Aug-16	17-Aug-16	-214					
Pile Cap												
S42360	Cap - Pier P401	30	30	0%	18-Aug-16	22-Sep-16	-214					
S42370	Cap - Pier P402	30	30	0%	18-Aug-16	22-Sep-16	-214					
Pier & Abutment												
S42380	Pier P401	25	25	0%	23-Sep-16	24-Oct-16	-214					
S42390	Pier P402	25	25	0%	23-Sep-16	24-Oct-16	-214					
Structure Deck												
S42460	Construct Deck, Bridge A4	90	90	0%	25-Oct-16	13-Feb-17	-214					
Bridge A5												
Bored Pile												
S52630	Bore piling for 19 Nr. (18 cast)	60	15	75%	09-May-16 A	17-Aug-16	-171					
S52640	Pile Testing for P504, P505	7	7	0%	01-Aug-16	08-Aug-16	-171					
S52650	Pile Testing for A503 & P506	7	7	0%	22-Aug-16	29-Aug-16	-159					
S52660	Pile Testing for A501 & P502a/b, P507	7	7	0%	29-Aug-16	05-Sep-16	-145					
Pile Cap												
S52710	Cap for P504, P505	30	30	0%	09-Aug-16	12-Sep-16	-171					
S52720	Cap - Pier P503, P506	30	30	0%	13-Sep-16	20-Oct-16	-171					
S52730	Cap - Pier A501, P502a/b, P507	35	35	0%	08-Sep-16	19-Oct-16	-145					
Pier & Abutment												
S52800	Pier P504, P505	25	25	0%	13-Sep-16	14-Oct-16	-166					
S52820	Pier P503, P506	25	25	0%	21-Oct-16	18-Nov-16	-171					
S52830	Pier P507	35	35	0%	20-Oct-16	29-Nov-16	170					
S52850	Abutment A501	30	30	0%	20-Oct-16	23-Nov-16	-3					
Bridge A6												
Pile Cap												

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30-Jun-16	3MRP updated as of 30 June 2016	ZJ	
30-Jul-16	3MRP updated as of 31 Jul 2016	ZJ	

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES
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■ Actual Work
■ Remaining Work
■ Critical
◆ Milestone

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				
								Jul	Aug	Sep	Oct	Nov
S63410	Cap - P606, P607/711 (606 cast)	40	20	50%	24-May-16 A	23-Aug-16	-123					
S63430	Cap - P604, P605	30	0	100%	20-May-16 A	02-Jul-16 A						
Pier & Abutment												
S63350	Pier P601, P606 (P601 cast)	25	6	75%	29-Mar-16 A	08-Aug-16	-79					
S63360	Pier P604, P605	25	13	50%	02-Jul-16 A	15-Aug-16	-86					
S63370	Pier P602, P603 (602 cast)	25	13	50%	06-Jun-16 A	15-Aug-16	-86					
S63380	Abutment A607	30	30	0%	24-Aug-16	28-Sep-16	-123					
Structure Deck												
S63880	Construct Deck, Bridge A6	135	135	0%	29-Sep-16	14-Mar-17	-123					
Bridge A7a, A7b, A7c												
Bored Pile												
S74170	Bore Piling for A701, P702 - P705, 10 Nr. (9 Nr. done)	42	4	90%	20-Nov-15 A	05-Aug-16	-53					
S74920	Pile Testing for A701, P702, P703	7	7	0%	17-Aug-16	25-Aug-16	-39					
Pile Cap												
S74210	Cap for P706, P707, P712	30	0	100%	01-Jun-16 A	02-Jul-16 A						
S74220	Cap for P704, P705	30	30	0%	01-Aug-16	03-Sep-16	-48					
S74230	Cap for P702, P703	30	30	0%	05-Sep-16	12-Oct-16	-48					
S74240	Cap for A701	30	30	0%	05-Sep-16	12-Oct-16	-28					
Pier & Abutment												
S74310	Pier P706, P707, P712 (706 cast)	25	18	30%	02-Jul-16 A	20-Aug-16	20					
S74320	Pier P704, P705	25	25	0%	05-Sep-16	05-Oct-16	7					
S74330	Pier P702, P703	25	25	0%	13-Oct-16	10-Nov-16	-48					
S74350	Abutment A701	30	30	0%	13-Oct-16	16-Nov-16	-28					
S74390	Pier P708, P709 (P708 cast)	25	6	75%	02-Jul-16 A	08-Aug-16	56					
S74450	Abutment A711	30	30	0%	29-Sep-16	04-Nov-16	-18					
Bridge A8												
Bored Pile												
S86130	Bore pile P802, P803, A804, 6 Nr.	87	0	100%	27-Jan-16 A	13-Jul-16 A						
S86140	Pile Testing for A804	7	7	0%	01-Aug-16	08-Aug-16	5					
S86150	Pile Testing for P802, P803	7	7	0%	01-Aug-16	08-Aug-16	35					
Pile Cap												
S86210	Cap - Abutment A804	30	30	0%	09-Aug-16	12-Sep-16	5					
S86220	Cap for P802, P803	30	30	0%	13-Sep-16	20-Oct-16	5					
Pier & Abutment												
S86250	Abutment A804	30	30	0%	13-Sep-16	20-Oct-16	7					
S86260	Pier P802, P803	25	25	0%	21-Oct-16	18-Nov-16	5					
Retaining Walls W1-1, W3-1, W5-1 & W7-1												
Retaining Wall W3-1												
S87130	Bored Pile for W3-1, 16 Nr.	118	118	0%	05-Aug-16	24-Dec-16	-53					
Portion G Buildings												
033 Inbound Private Car Exam Building												

<p>THREE MONTH ROLLING PROGRAMME</p> <p>VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES</p> <p>Page 10 of 15</p>		<p>Date</p> <p>31-May-16</p> <p>30-Jun-16</p> <p>30-Jul-16</p>	<p>Revision</p> <p>3MRP updated as of 31 May 2016</p> <p>3MRP updated as of 30 June 2016</p> <p>3MRP updated as of 31 Jul 2016</p>	<p>Checked</p> <p>ZJ</p> <p>ZJ</p> <p>ZJ</p>	<p>Approved</p>
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- Actual Work
- Remaining Work
- Critical
- ◆ Milestone

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				
								Jul	Aug	Sep	Oct	Nov
A03320	Super Structure	40	39	2.5%	11-May-16 A	14-Sep-16	-13					
A03330	Finishing	90	90	0%	15-Sep-16	04-Jan-17	-13					
A03360	External Works	70	70	0%	15-Sep-16	08-Dec-16	92					
A03370	BS for Office Accommodation (Stage 8)	70	70	0%	15-Sep-16	08-Dec-16	18					
Glass Canopy Installation												
B03300	Shop Drawing Submission and Approval	30	30	0%	19-Sep-16	25-Oct-16	-40					
B03305	Fabrication of Glass Canopy	60	60	0%	26-Oct-16	06-Jan-17	-40					
Aluminium Metal Canopy												
B03310	Shop Drawing Submission and Approval	30	30	0%	19-Sep-16	25-Oct-16	-25					
B03315	Fabrication of F/C System	60	60	0%	26-Oct-16	06-Jan-17	-25					
034 Satellite RCP South												
A03400	Excavation + Blinding (+ PL Test)	5	0	100%	25-May-16 A	05-Jul-16 A						
A03430	Raft Foundation	30	4	86.67%	06-Jul-16 A	04-Aug-16	24					
A03440	Super Structure (Roof Beams & Slabs)	40	40	0%	05-Aug-16	21-Sep-16	24					
A03450	Finishing	60	60	0%	22-Sep-16	02-Dec-16	84					
A35030	BS for Office Accommodation (Stage 8)	59	59	0%	22-Sep-16	01-Dec-16	24					
A35050	Other BS + E&M Installation	130	130	0%	13-Oct-16	20-Mar-17	81					
035 Sewage Pumping Station, Portion G												
A03540	Sheet Piling as ELS for Wet Well	12	12	0%	25-Jun-16 A	13-Aug-16	-95					
A03550	Pile Testing, 5 Nr.	7	7	0%	15-Aug-16	22-Aug-16	-95					
A03560	ELS + Blinding for Wet Well	10	10	0%	23-Aug-16	02-Sep-16	-95					
A03570	Constructing of Base Slab of Wet Well	20	20	0%	03-Sep-16	27-Sep-16	-95					
A03580	Constructing of Wall Stem of Wet Well	25	25	0%	28-Sep-16	28-Oct-16	-95					
A03590	Water-tightness Test for Wet Wells	12	12	0%	29-Oct-16	11-Nov-16	-95					
051 Transformers (Zone 5)												
A05150	Finishing	60	36	40%	16-May-16 A	10-Sep-16	87					
A05165	Energisation by CLP	50	50	0%	09-Jul-16 A	28-Sep-16	165					
A05170	BS for Office Accommodations (KD9)	70	70	0%	02-Jul-16 A	24-Oct-16	57					
A05180	BS + E&M for Office Accommodation (KD10)	70	70	0%	25-Oct-16	17-Jan-17	61					
A05190	Other BS + E & M Installation	150	147	2%	22-Feb-16 A	25-Jan-17	124					
100 Inbound Traffic Control Kiosk												
A10000	Excavation + Blinding (PL test commenced on 26/1/16)	5	5	0%	01-Aug-16	05-Aug-16*	-140					
A10010	Raft Foundation	15	15	0%	06-Aug-16	23-Aug-16	-140					
A10040	Super Structure (Roof Beams & Slabs)	30	30	0%	24-Aug-16	28-Sep-16	-140					
A10050	Finishing	45	45	0%	29-Sep-16	22-Nov-16	-140					
A10070	BS + E&M for AVCS Works (KD18A)	86	86	0%	29-Sep-16	12-Jan-17	-140					
HPL Composite Panel Cladding System												
B10010	Shop Drawing Submission and Approval	30	30	0%	01-Aug-16	03-Sep-16	66					
B10015	Fabrication of F/C System	60	60	0%	05-Sep-16	16-Nov-16	66					
External Works for Portion G, H1 & H2												
<i>Works within Portion H1 & H2 except the ELV Works in the Hong Kong Side PTI</i>												

Actual Work (Blue bar)

Remaining Work (Green bar)

Critical (Red bar)

Milestone (Diamond)

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Checked ZJ

Approved ZJ

Date 31-May-16

Revision 3MRP updated as of 31 May 2016

Date 30-Jun-16

Revision 3MRP updated as of 30 June 2016

Date 30-Jul-16

Revision 3MRP updated as of 31-Jul 2016

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Jul	Aug	Sep	Oct	Nov
BB1560	Works within Portion H1 & H2 in the Hong Kong Side PTI (KD20)	100	100	0.5%	30-May-16 A	06-Sep-17	-164					
All Works within the Boundary defined in Drawing No. 60191048-C3.000-C00-1050												
BB1570	All Works within the Boundary defined in Drawing No. 60191048/C3/000/1050, excluding Portion H1 & H2 & Bridges	126	126	0%	26-Sep-16	28-Feb-17	-14					
Drainage Works												
B00060	Initial Survey	12	12	0%	01-Aug-16	13-Aug-16	-199					
SG4070	Drainage Works (3748m & 191MHs)	84	77	8%	03-May-16 A	17-May-17	-33					
SG4190	Sewerage (422m & 12MHs)	84	77	8%	01-Jun-16 A	17-May-17	-33					
Sign Gantry DS40, DS41 & DS75												
SS0020	Sign Gantry DS40 Pre-bored H Piling, 12 Nr.	30	30	0%	01-Aug-16	03-Sep-16	61					
SS0040	Sign Gantry DS41 Driven Piling 4 Nr.	7	7	0%	13-Oct-16	20-Oct-16	84					
SS0080	Testing for Pre-bored H Piling	50	50	0%	29-Sep-16	28-Nov-16	71					
SS0170	Submission and approval for Sign Gantry	90	52	42.22%	31-Aug-16 A	30-Sep-16	-81					
SS0160	Fabrication & Delivery of Sign Gantrys to Site	200	200	0%	03-Oct-16	08-Jun-17	-81					
PORTION J												
Portion J Structure												
030 Outbound Staff Subway (Portion J)												
B03010	ELS + blinding (Bay 34-41) (8 bay)	55	55	0%	01-Aug-16	05-Oct-16	-127					
B03020	Bay 34-39 Construction - Base Slab	34	34	0%	08-Sep-16	20-Oct-16	-127					
B03030	Bay 34-39 Construction - Wall + Top Slab	43	43	0%	30-Sep-16	21-Nov-16	-127					
B03040	Bay 40-41 Construction - Base Slab	34	34	0%	08-Sep-16	20-Oct-16	-127					
B03050	Bay 40-41 Construction - Wall + Top Slab, Staircase	43	43	0%	30-Sep-16	21-Nov-16	-127					
B03060	Internal Finishes & Cable Containment (KD2)	30	30	0%	28-Oct-16	01-Dec-16	-127					
030 Outbound Private Car & GV Kiosks												
A03010	Submission & Approval for Steel Works	60	26	56.67%	01-Apr-16 A	30-Aug-16	-131					
A03020	Pre-fabrication for the Steel Kiosks	84	84	0%	31-Aug-16	09-Dec-16	-131					
030 Outbound Kiosks, Section IX, Subject to Excision												
C03010	Submission & Approval for Steel Works	100	26	74%	01-Apr-16 A	30-Aug-16	-95					
C03020	Pre-fabrication for the Steel Kiosks	100	100	0%	31-Aug-16	30-Dec-16	-95					
Portion J Buildings												
024 Outbound Private Car Exam Building												
A02400	Excavation + Blinding	10	10	0%	06-Aug-16	17-Aug-16	-93					
A02410	Raft Foundation	30	30	0%	18-Aug-16	22-Sep-16	-93					
A02420	Super Structure	40	40	0%	23-Sep-16	10-Nov-16	-93					
Glass Canopy Installation												
B02410	Shop Drawing Submission and Approval	30	30	0%	01-Aug-16	03-Sep-16	-19					
B02415	Fabrication of F/C System	60	60	0%	05-Sep-16	16-Nov-16	-19					
Aluminium Metal Canopy												
B02450	Shop Drawing Submission and Approval	30	30	0%	01-Aug-16	03-Sep-16	-4					
B02455	Fabrication of F/C System	60	60	0%	05-Sep-16	16-Nov-16	-4					
031 Outbound IMMD and DOH Secondary Screen Building												
A03100	Excavation + Blinding	10	10	0%	15-Aug-16	25-Aug-16	-51					
A03110	Raft Foundation	35	35	0%	26-Aug-16	07-Oct-16	-51					
A03140	Super Structure	89	89	0%	08-Oct-16	24-Jan-17	-51					

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30-Jun-16	3MFRP updated as of 30 June 2016	ZJ	
30-Jul-16	3MFRP updated as of 31 Jul 2016	ZJ	

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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016					
								Jul	Aug	Sep	Oct	Nov	
060 - Single Storey Support Building Associated with Buildings 044 & 045													
A06000	Excavation + Blinding	5	5	0%	03-Oct-16	07-Oct-16	-171						
A06010	Raft Foundation (Traper)	25	25	0%	08-Oct-16	07-Nov-16	-171						
A06040	Excavation + Blinding (Strip part)	15	15	0%	08-Oct-16	26-Oct-16	-50						
061 Telecom Building													
A06120	Excavation + Blinding	5	5	0%	01-Aug-16	05-Aug-16	-13						
A06130	Raft Foundation	25	25	0%	03-Oct-16	01-Nov-16	-60						
Aluminium Metal Canopy													
B06110	Shop Drawing Submission and Approval	30	30	0%	23-Sep-16	29-Oct-16	31						
101 Outbound Traffic Control Kiosk													
A10100	Excavation + Blinding	5	5	0%	01-Aug-16	05-Aug-16	-108						
A10110	Raft Foundation	13	13	0%	19-Oct-16	02-Nov-16	-158						
HPL Composite Panel Cladding System													
B10110	Shop Drawing Submission and Approval	30	30	0%	01-Aug-16	03-Sep-16	51						
B10120	Fabrication of HPL Cladding	60	60	0%	05-Sep-16	16-Nov-16	51						
External Works for Portion J													
Drainage Works													
B00110	Initial Survey	6	6	0%	01-Aug-16	06-Aug-16	-77						
SG4220	Drainage Works (3435m & 117MHs)	180	173	4%	25-Apr-16 A	01-Apr-17	-99						
SG4340	Sewerage (845m & 22MHs)	180	173	4%	01-Jun-16 A	01-Apr-17	-99						
Waterpipe Laying													
SW4230	Fresh Water Main Laying (1541m)	180	180	0%	27-Sep-16	10-May-17	-99						
SW4240	Flushing Water Main Laying (862m)	180	180	0%	02-Sep-16	12-Apr-17	-79						
Duct Laying for Utilities Telecom Cabling, TCSS & Lighting													
SU5420	Duct Laying for Utilities/Telecom Cabling	180	180	0%	27-Sep-16	10-May-17	-99						
SU5430	Duct Laying for TCSS & Lighting	180	180	0%	27-Sep-16	10-May-17	-99						
Sign Gantry DS104													
SS0140	Sign Gantry DS104 P-bored Piling, 8 Nr.	30	30	0%	05-Sep-16	12-Oct-16	61						
SS5140	Submission and approval for Sign Gantry	60	60	0%	01-Aug-16	12-Oct-16	-69						
SS5150	Fabrication & Delivery of Sign Gantrys to Site	180	180	0%	13-Oct-16	24-May-17	-69						
PORTION K, L & M													
Portion K Building													
A00210	Excavation + Blinding	5	5	0%	12-Aug-16	17-Aug-16	-34						
Portion M Buildings													
B10800	Excavation + Blinding	5	5	0%	01-Aug-16	05-Aug-16	-94						
B10810	Substructure (raft Foundation)	20	20	0%	06-Aug-16	29-Aug-16	-94						
B10840	Super Structure (Roof beams & Slabs)	30	30	0%	30-Aug-16	05-Oct-16	-94						
B10850	Finishing	30	30	0%	06-Oct-16	10-Nov-16	186						
B10860	BS for Office Accommodations (KD9)	70	70	0%	06-Oct-16	29-Dec-16	2						
B10880	Other BS + E & M Installation	130	130	0%	26-Oct-16	01-Apr-17	70						
HPL Composite Panel Cladding System													
C10810	Shop Drawing Submission and Approval	30	30	0%	01-Aug-16	03-Sep-16	10						
C10820	Fabrication of HPL Cladding	60	60	0%	05-Sep-16	16-Nov-16	10						
104 DOH Screening Station, at Portion M													
C10400	Excavation + Blinding	5	5	0%	06-Aug-16	11-Aug-16	-49						

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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

30-Jul-16

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float
C10430	Structure (Ratf Foundation)	20	20	0%	06-Oct-16	29-Oct-16	-94
Facade Envelop Structure Installation							
D10450	Shop Drawing Submission and Approval	30	30	0%	01-Aug-16	03-Sep-16	55
D10455	Fabrication of F/C System	60	60	0%	05-Sep-16	16-Nov-16	55
External Works							
Additional Works (Filling & RE Slope) & Drainage Works							
SG0010	Initial Survey for Portion K, L, & M	6	6	0%	08-Jun-16 A	06-Aug-16	-107
SG0090	Additional Works (Filling & RE Slope)	148	133	10%	08-Jun-16 A	10-Jan-17	-76
Slope Works at Portion M							
SL0020	Cutting Existing Slope	30	30	0%	08-Aug-16	10-Sep-16	-91
SL0030	Laying Granular Fill & Backfilling Slope	30	30	0%	12-Sep-16	19-Oct-16	-91
SL0040	Further Backfilling Slope	60	60	0%	20-Oct-16	30-Dec-16	-91
Canopy and Covered Walkway							
CC1400	Shop drawing, Approved & Fabrication	136	136	0%	01-Aug-16	12-Jan-17	-65
PORTION N							
Portion N Structure							
Box Culvert B							
Bored Pile							
SB0570	Box B - Bore Pile, 30 nos.	85	85	0%	02-Aug-16	11-Nov-16	-7
Portion N Buildings							
104 DOH Screening Station, at Portion N							
C10405	Excavation + Blinding	5	5	0%	02-Aug-16	06-Aug-16	26
C10410	Structure (Ratf Foundation)	25	25	0%	08-Aug-16	05-Sep-16	26
C10420	Finishing	45	45	0%	06-Sep-16	31-Oct-16	195
E10410	BS for Office Accommodations (KD9)	70	70	0%	06-Sep-16	29-Nov-16	26
E10430	Other BS + E & M Installation	130	130	0%	26-Sep-16	04-Mar-17	94
Facade Envelop Structure Installation							
D10410	Shop Drawing Submission and Approval	30	30	0%	17-Aug-16	21-Sep-16	52
D10415	Fabrication of F/C System	60	60	0%	22-Sep-16	02-Dec-16	52
106 C&ED Detention Area Guard Booth							
A10600	Excavation + Blinding	5	5	0%	02-Aug-16	06-Aug-16	31
A10610	Structure (Ratf Foundation)	20	20	0%	08-Aug-16	30-Aug-16	31
A10640	Finishing	45	45	0%	31-Aug-16	25-Oct-16	200
E10640	BS for Office Accommodations (KD9)	70	70	0%	31-Aug-16	23-Nov-16	31
E10660	Other BS + E & M Installation	130	130	0%	20-Sep-16	27-Feb-17	99
Facade Envelop Structure Installation							
B10610	Shop Drawing Submission and Approval	30	30	0%	03-Oct-16	07-Nov-16	4
107 C&ED Mobile X-ray Operation Office, Portion N							
A10700	Excavation + Blinding	5	5	0%	08-Aug-16	12-Aug-16	54
A10710	Substructure (Ratf Foundation)	25	25	0%	31-Aug-16	29-Sep-16	39
A10740	Super Structure	35	35	0%	30-Sep-16	11-Nov-16	39
External Works for Portion N							
Drainage Works							
B00150	Initial Survey	12	12	0%	02-Aug-16	15-Aug-16	-101
SG4520	Drainage Works (3359m & 107MHs)	126	126	0%	16-Aug-16	16-Jan-17	-29
SG4640	Sewerage (383m & 12MHs)	126	126	0%	16-Aug-16	16-Jan-17	-29
Waterpipe Laying							

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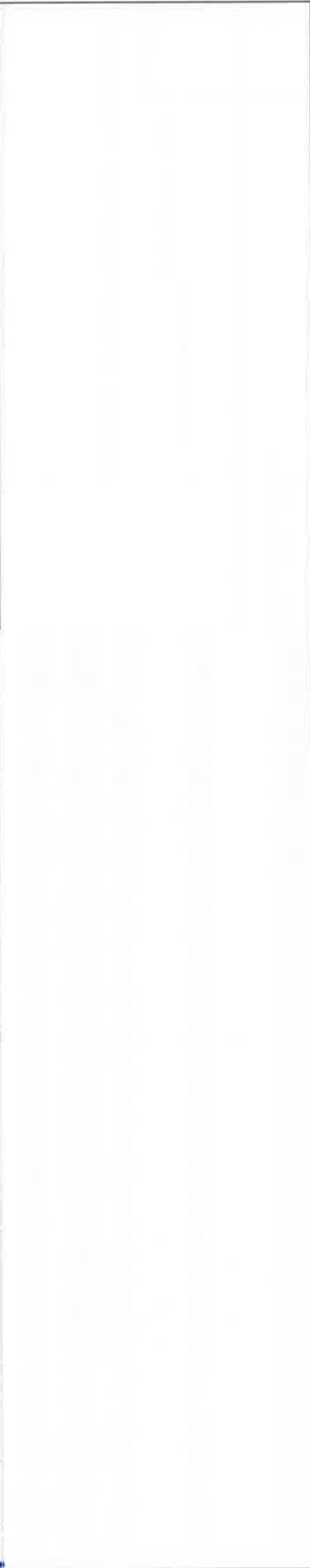
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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016			30-Jul-16
								Jul	Aug	Sep	
SW4530	Fresh Water Main Laying (641m)	126	126	0%	13-Sep-16	16-Feb-17	-29				
SW4540	Flushing Water Main Laying (413m)	126	126	0%	13-Sep-16	16-Feb-17	-29				
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting											
SU5460	Duct Laying for Utilities/Telecom Cabling	126	126	0%	13-Sep-16	16-Feb-17	-29				
SU5470	Duct Laying for TCSS & Lighting	125	125	0%	14-Sep-16	16-Feb-17	-101				
PORTION P											
Portion Structure											
Retaining Wall RW1											
S10810	Construction of Retaining Wall RW1 (U-shape, 5 bays)	100	100	0%	24-Aug-16	21-Dec-16	56				
Portion P Buildings											
105 IMMD Guard Booth, Portion P											
A10510	Excavation + Blinding	5	5	0%	24-Aug-16	29-Aug-16	42				
Facade Envelop Structure Installation											
A10560	Shop Drawing Submission and Approval	30	30	0%	24-Aug-16	28-Sep-16	50				
A10565	Fabrication of F/C System	60	60	0%	29-Sep-16	09-Dec-16	50				
External Works for Portion P											
Drainage Works											
B00160	Initial Survey	6	6	0%	24-Aug-16	30-Aug-16	0				
SG4670	Drainage Works (4651m & 129MHs)	105	105	0%	31-Aug-16	06-Jan-17	40				
SG4790	Sewerage (269m & 7MHs)	105	105	0%	31-Aug-16	06-Jan-17	40				
Waterpipe Laying											
SW4680	Fresh Water Main Laying (1270m)	105	105	0%	29-Sep-16	07-Feb-17	40				
SW4690	Flushing Water Main Laying (455m)	105	105	0%	29-Sep-16	07-Feb-17	40				
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting											
SU5480	Duct Laying for Utilities/Telecom Cabling	105	105	0%	29-Sep-16	07-Feb-17	41				
SU5490	Duct Laying for TCSS & Lighting (KD15)	24	24	0%	09-Sep-16	08-Oct-16	0				
PORTION Q											
External Works for Portion Q											
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting											
B11490	ELV System Installation for Contract HY2013/04	50	50	0%	21-Oct-16	17-Dec-16	154				
Landscape Works											
A5170	Design and Procurement for Irrigation System	230	230	0%	31-Jul-16	17-Mar-17	2				



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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Aug	Sep	Oct	Nov	Dec
HKBCF - VCP DRMs Programme. (IWP 04), UD 310816, EO T No. 1												
CONTRACT DATES												
Key Dates												
A1150	16)	0	0	0%		17-Oct-16*	-9					
Site Access & Possession												
Possession of Portion of Site												
A0010	Possession of Portion A1 (<= 70 days)	0	0	0%		31-Aug-16*	-439					
A0020	Possession of Portion A2 (<= 75 days)	0	0	0%		31-Aug-16*	-434					
A0030	Possession of Portion B (<=100 days)	0	0	0%		31-Aug-16*	-409					
A0040	Possession of Portion C (<=100 days)	0	0	0%		31-Aug-16*	-409					
A0050	Possession of Portion D (<=220 days)	0	0	0%		31-Aug-16*	-289					
A0060	Possession of Portion E (<=160 days)	0	0	0%		31-Aug-16*	-349					
A0080	Possession of Portion G (<=225 days)	0	0	0%		31-Aug-16*	-287					
A0090	Possession of Portion H1 (<=273 days)	0	0	0%		31-Aug-16*	-236					
A0100	Possession of Portion H2 (<=273 days)	0	0	0%		31-Aug-16*	-236					
A0110	Possession of Portion J (<=320 days)	0	0	0%		31-Aug-16*	-189					
A0120	Possession of Portion K (<=478 days)	0	0	0%		31-Aug-16*	-110					
A0130	Possession of Portion L (<=478 days)	0	0	0%		31-Aug-16*	-43					
A0140	Possession of Portion M (<=478 days)	0	0	0%		31-Aug-16*	-159					
A0150	Possession of Portion N (<=345 days)	0	0	0%		31-Aug-16*	-164					
A0160	Possession of Portion P (<=502 days)	0	0	0%		31-Aug-16*	-7					
Access to Locations of the Site												
A0210	Contract Date for Access to Location 1.1 (490 days)	0	0	0%		31-Aug-16*	-19					
A0220	Contract Date for Access to Location 1.2 (405 days)	0	0	0%		31-Aug-16*	-104					
A0230	Contract Date for Access to Location 1.3 (488 days)	0	0	0%		31-Aug-16*	-21					
A0240	Contract Date for Access to Location 1.4 (488 days)	0	0	0%		31-Aug-16*	-21					
A0250	Contract Date for Access to Location 1.5 (560 days)	0	0	0%		09-Nov-16*	0					
A0310	Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days)	0	0	0%		31-Aug-16*	-114					
A0320	Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days)	0	0	0%		05-Sep-16*	0					
A0330	Contract Date for Access to External Area for Contract HY2013001 for ELV System Installation (570 days)	0	0	0%		30-Oct-16*	0					
A0340	Contract Date for Access to External Area for Contract HY2013002 for ELV System Installation (560 days)	0	0	0%		20-Oct-16*	0					
A0350	Contract Date for Access to External Area for Contract HY2013004 ELV System Installation (560 days)	0	0	0%		20-Oct-16*	0					
PRELIMINARY												
Precast Yard for Bridge Segment												
A0630	Segment Manufacture	300	195	35%	17-Jun-16 A	29-Apr-17	-96					
PORTION A1												
Portion A1 Structures												
Bridge A9												
Bored Pile												
S91015	Bored piles for P904, A905, 4nos	58	58	0%	31-Aug-16	09-Nov-16	-77					
S91020	Bored piles, 6 nos. (2 cast)	29	19	35%	17-May-16 A	01-Dec-16	-77					
S91030	Pile testing for P904, A905	7	7	0%	24-Nov-16	01-Dec-16	-58					

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30-Jul-16	3MRP updated as of 30 July 2016	ZJ	
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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				29-Aug-16	
								Aug	Sep	Oct	Nov		Dec
Retaining Wall W8-1													
S82110	Construction of Retaining Wall W8-1 (U-shape, 4 bays)	80	80	0%	21-Nov-16	28-Feb-17	-19						
Bored Pile													
SD0140	Box Culvert D Pile Testing (Stage 4)	7	0	100%	01-Aug-16 A	06-Aug-16 A							
Box Culvert D Construction (Bay 32 - 35)													
SD0060	Box Culvert D Construction (Bay 32 - 35)	50	37	26%	17-May-16 A	15-Oct-16	54						
SD0070	Box Culvert D Construction (Bay 36 - 38)	50	50	1%	02-Jul-16 A	31-Oct-16	42						
SD0110	Box Culvert D Construction (Stage 3) (Bay 39 - 42)	50	50	0%	27-Jul-16 A	31-Oct-16	-9						
SD0150	Box Culvert D Construction (Stage 4) (Bay 19 - 21 & 24 - 32)	75	75	0%	08-Aug-16 A	30-Dec-16	-9						
047 - Fresh Water Pumping Station - Portion A1 & A2													
A04720	Excavation + Blinding	12	12	0%	31-Aug-16	13-Sep-16	-132						
A04730	Pile Testing	7	7	0%	14-Sep-16	22-Sep-16	-132						
A04740	Water Tank Construction	58	58	0%	23-Sep-16	01-Dec-16	-132						
049 - Sewage Treatment Plant - Portion A1 & A2													
A04945	Removal of Surcharge	22	0	100%	14-Jul-16 A	31-Aug-16 A							
A04950	Sheet Piling as ELS1 for Equalization Tanks	13	13	0%	31-Aug-16	14-Sep-16	-190						
A04960	Sheet Piling as ELS2 for Sludge Holding Tanks	13	13	0%	31-Aug-16	14-Sep-16	-196						
A04970	Sheet Piling as ELS3 for Basement	25	25	0%	15-Sep-16	17-Oct-16	-190						
A04980	Pile Testing in ELS1	7	7	0%	15-Sep-16	23-Sep-16	-186						
B04910	Pile Testing for others	7	7	0%	15-Sep-16	23-Sep-16	-196						
B04960	ELS1 + Blinding for Equalization Tanks	14	14	0%	24-Sep-16	12-Oct-16	-186						
B04970	Constructing Base Slab for Equalization Tanks	15	15	0%	13-Oct-16	29-Oct-16	-186						
B04980	Backfilling + Removing 3rd Strut of ELS1	6	6	0%	31-Oct-16	05-Nov-16	-186						
B04990	Constructing Wall Stem for Equalization Tanks	20	20	0%	07-Nov-16	29-Nov-16	-186						
C04930	ELS2 + Blinding for Equalization Tanks	10	10	0%	13-Oct-16	24-Oct-16	-196						
C04940	Constructing Base Slab of Equalization Tanks	20	20	0%	25-Oct-16	16-Nov-16	-130						
C04950	Backfilling + Removal Strut of ELS2	5	5	0%	17-Nov-16	22-Nov-16	-130						
C04960	Constructing Wall Stem of Sludge Holding Tanks	20	20	0%	23-Nov-16	15-Dec-16	-130						
D04910	ELS3 wstruts + Blinding for Basement	30	30	0%	25-Oct-16	28-Nov-16	-196						
Portion A1 Buildings													
012 - DOH Disinfection Area and Store Room 1 - at Portion A1													
A01240	Superstructure	35	18	50%	25-Jul-16 A	21-Sep-16	5						
A01250	Finishing	80	80	0%	21-Sep-16	28-Dec-16	78						
A01260	BS for Office Accommodation (Stage 8)	73	73	0%	21-Sep-16	17-Dec-16	5						
A01280	Other BS + E&M Installation	150	150	0%	12-Oct-16	13-Apr-17	62						
036 - Weigh Station													
A03640	Finishing	120	24	80%	13-Jan-16 A	28-Sep-16	85						
A03670	BS for Office Accommodation (Stage 8)	90	15	82%	13-Jan-16 A	20-Sep-16	69						
A03680	BS + E&M for Office Accommodation (Stage 9)	90	90	0%	20-Sep-16	09-Jan-17	69						
A03690	Other BS + E&M Installation	180	72	60%	02-Nov-15 A	25-Nov-16	173						

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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										2016				29-Aug-16
Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	Aug	Sep	Oct	Nov	Dec		
037 C&ED Tower Cum Inbound Cargo Examination Building (Portion A1 & B)														
A03740	Steel Frame Structure	90	90	0%	31-Aug-16	16-Dec-16	155							
A03750	Finishing	200	160	20%	30-May-16 A	15-Mar-17	85							
A03760	BS for Office Accommodation (Stage 8)	63	57	10%	01-Aug-16 A	08-Nov-16	-133							
A03770	BS + E&M for Office Accommodation (Stage 9)	90	90	0%	08-Nov-16	28-Feb-17	28							
A03780	BS + E&M for AVCSS Works (KD18A)	52	47	10%	01-Aug-16 A	05-Jan-17	-133							
A03790	Other BS + E&M Installation	235	165	30%	15-Dec-15 A	21-Mar-17	81							
041 Fire Station Cum Ambulance Depot														
A04110	Substructure	84	17	80%	13-Jun-16 A	20-Sep-16	-152							
A04120	Super Structure	160	144	10%	09-Jul-16 A	16-Mar-17	-152							
042 Drill Tower														
A04250	Super Structure	69	21	70%	05-May-16 A	24-Sep-16	-53							
A04260	Finishing	80	80	0%	24-Sep-16	31-Dec-16	-53							
A04270	BS for Office Accommodation (Stage 8)	65	65	0%	24-Sep-16	12-Dec-16	5							
A04290	Other BS + E&M Installation	160	160	0%	17-Oct-16	05-May-17	47							
043 DOH Office														
A04340	Super Structure	60	15	75%	27-May-16 A	17-Sep-16	17							
A04350	Finishing	120	120	0%	19-Sep-16	14-Feb-17	40							
A04370	BS for Office Accommodation (Stage 8)	69	69	0%	19-Sep-16	09-Dec-16	17							
B04310	Other BS + E&M Installation	170	170	0%	08-Oct-16	09-May-17	44							
043 DOH Office (Store Room)														
B04370	Super Structure with Water Tank	51	26	50%	27-May-16 A	30-Sep-16	80							
B04380	Finishing	50	50	0%	30-Sep-16	30-Nov-16	80							
052 - Transforms (Zone 4)														
A05235	Energisation by CLP	50	10	80%	24-Feb-16 A	10-Sep-16	181							
A05240	BS Installation (KD9)	66	13	80%	02-Nov-15 A	15-Sep-16	88							
A05250	Finishing (KD10)	87	7	92%	14-Dec-15 A	07-Sep-16	88							
A05260	Completion of remaining works	66	66	0%	15-Sep-16	05-Dec-16	166							
External Works for Portion A1														
SG0020	Drainage Works (2025m & 94MHs)	250	220	12%	16-Sep-15 A	01-Jun-17	-116							
SG0030	Sewerage (869m & 25MHs)	250	220	12%	04-Jan-16 A	01-Jun-17	-116							
Waterpipe Laying														
SW5010	Fresh Water Main Laying (1660m)	250	250	0%	18-Oct-16	21-Aug-17	-116							
SW6010	Flushing Water Main Laying (967m)	250	250	0%	18-Oct-16	21-Aug-17	-116							
Duct Laying for Utilities/Telecom Cabling / TCSS & Lighting														
SU5260	Duct Laying for Utilities/Telecom Cabling	250	250	0%	18-Oct-16	21-Aug-17	-116							

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								Aug	Sep	Oct	Nov		Dec
PORTION A2													
Portion A2 Structures													
048	Reclaimed Water Pumping Station, Portion A2												
A04830	Sheet Piling as ELS for Basement 1	12	12	0%	31-Aug-16	13-Sep-16	-143						
A04840	Pile testing	7	7	0%	14-Sep-16	22-Sep-16	-143						
A04850	Excavation + Blinding for Basement 1	10	10	0%	23-Sep-16	05-Oct-16	-143						
A04860	Basement 1 Construction	40	40	0%	06-Oct-16	22-Nov-16	-143						
A04865	Water-tightness Test for Basement 1	12	12	0%	23-Nov-16	06-Dec-16	-143						
Retaining Wall W9-2													
S90850	Construction of Retaining Wall W9-2 (U-shape, 6 bay)	120	120	0%	31-Aug-16	24-Jan-17	10						
External Works for Portion A2													
Drainage Works													
B00020	Initial Survey	6	6	0%	31-Aug-16	06-Sep-16	-270						
PORTION B													
Portion B Structures													
Retaining Wall W6-1													
S62050	Construction of Retaining Wall W6-1 (L-shape, 4 bays)	80	68	15%	12-Jul-16 A	21-Jan-17	22						
027 - Staff Subway													
C02760	Internal Finishes & Cable Containment (KD1)	30	29	2%	01-Aug-16 A	06-Oct-16	-149						
C02770	BS + E&M Installation for ACVSS (Stage 1)	30	30	0%	22-Aug-16 A	06-Oct-16	-149						
028 - Staff Subway													
C02820	Bay 20-24 Construction - Base Slab	28	22	20%	25-Feb-16 A	27-Sep-16	-227						
C02830	Bay 20-24 Construction - Wall + Top Slab	100	80	20%	03-May-16 A	05-Dec-16	-227						
C02840	Internal Finishes & Cable Containment (KD1)	30	30	0%	24-Nov-16	30-Dec-16	-227						
029 - Staff Subway													
C02920	Bay 25-29 Construction - Base Slab (27, 28 & 29 cast)	22	9	60%	03-May-16 A	09-Sep-16	-147						
C02930	Bay 25-29 Construction - Wall + Top Slab (27, 28 & 29 cast)	28	11	60%	04-Jul-16 A	13-Sep-16	-147						
C02940	Bay 30-33 Construction - Base Slab	21	16	25%	30-Apr-16 A	19-Sep-16	-163						
C02950	Bay 30-33 Construction - Wall + Top Slab	27	27	0%	31-Aug-16	03-Oct-16	-163						
C02960	Internal Finishes & Cable Containment (KD1)	21	21	0%	20-Sep-16	15-Oct-16	-163						
C02970	BS + E&M Installation for ACVSS (Stage 1)	20	20	0%	29-Sep-16	24-Oct-16	-163						
Portion B Buildings													
027/028 Inbound Kiosks & 029 Outbound Kiosks													
A02710	Pre-fabrication for the Steel Kiosks	100	50	50%	01-Aug-16 A	31-Oct-16	-172						
A02715	Mock up of Kiosk	100	80	20%	01-Aug-16 A	05-Dec-16	-202						
027/028 Inbound Kiosks & 029 Outbound Kiosks, Section IX, Subject to Excision													
B02730	Submission & Approval for Steel Works	75	26	65.33%	01-Apr-16 A	30-Sep-16	-121						
B02740	Pre-fabrication for the Steel Kiosks	100	100	0%	03-Oct-16	03-Feb-17	-121						

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								Aug	Sep	Oct	Nov	
026 Inbound I/M/D, and DOH Secondary Screening Building												
A02690	Other BS + E&M Installation	180	171	5%	01-Feb-16 A	19-Aug-17	-42					
054 Inbound Fixed X-ray Building												
A05450	Other Superstructure	65	26	60%	02-Mar-16 A	30-Sep-16	-155					
A05460	Finishing	150	150	0%	31-Aug-16	03-Mar-17	95					
A05465	BS + E&M for Tx Room to CLP (Stage 5)	97	97	0%	31-Aug-16	24-Dec-16	-198					
A05470	BS for Office Accommodation (Stage 8)	90	90	0%	03-Oct-16	19-Jan-17	-31					
A05490	Other BS + E&M Installation	180	171	5%	08-Feb-16 A	23-May-17	32					
038 AFCD Office												
A03810	Excavation + Blinding (+ PL Test)	7	7	1.01%	18-Jul-16 A	20-Sep-16	-192					
A03820	Substructure	24	24	0%	28-Sep-16	28-Oct-16	-199					
A03830	Super Structure	90	90	0%	28-Oct-16	17-Feb-17	-143					
039 Police Main Building												
A03910	Excavation + Blinding (+ PL Test)	12	12	1.01%	18-Jul-16 A	13-Sep-16	-280					
A03920	Substructure	70	70	0%	13-Sep-16	07-Dec-16	-280					
040 Incident Control Tower												
A04010	Excavation + Blinding (+ PL Test)	10	10	1%	18-Jul-16 A	10-Sep-16	-199					
A04020	Substructure	14	14	0%	10-Sep-16	28-Sep-16	-199					
A04040	Super Structure	97	97	0%	28-Oct-16	25-Feb-17	-199					
Facade Cladding System												
B04010	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	-45					
B04020	Fabrication of FIC System	60	60	0%	07-Oct-16	16-Dec-16	-45					
Glass Wall												
C04010	Shop Drawing Submission and Approval	30	30	0%	07-Nov-16	10-Dec-16	-82					
102 HKPF UVSS Monitor Room												
A10220	Super Structure	45	18	60%	20-May-16 A	21-Sep-16	-3					
A10230	Finishing (False Ceiling) (KD9)	70	70	0%	22-Sep-16	14-Dec-16	13					
A10240	BS for Office Accommodation (Stage 8)	80	80	0%	22-Sep-16	28-Dec-16	-3					
A10270	Other BS + E&M Installation	150	150	0%	13-Oct-16	13-Apr-17	61					
Metal Canopy and Roof Installation												
B10210	Shop Drawing Submission and Approval	30	0	100%	01-Aug-16 A	31-Aug-16 A						
103 Police Inspection Post												
A10310	Excavation + Blinding	5	5	0%	08-Sep-16	13-Sep-16	-57					
HPL Composite Panel Cladding System												
B10310	Shop Drawing Submission and Approval	30	30	0%	24-Oct-16	26-Nov-16	-93					
B10320	Fabrication of HPL Cladding	60	60	0%	28-Nov-16	11-Feb-17	-93					
057 Transformers (Zone 2)												
A05720	Raft Foundation	52	0	100%	25-Jul-16 A	17-Aug-16 A						
A05730	Superstructure	65	64	2%	20-Aug-16 A	16-Nov-16	-269					
A05740	Finishing	90	90	0%	16-Nov-16	08-Mar-17	21					
A05750	BS + E&M for Tx Room to CLP (Stage 4)	90	90	0%	16-Nov-16	08-Mar-17	-269					

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								Aug	Sep	Oct	Nov		
A05760	BS for Office Accommodation (Stage B)	70	70	0%	16-Nov-16	13-Feb-17	-33						
107 - C&ED Mobile X-ray Operation Office (Cargo) Portion B													
C10710	Excavation + Blinding	7	7	0%	31-Aug-16	07-Sep-16	-146						
C10720	Raft Foundation	32	32	0%	08-Sep-16	18-Oct-16	-146						
C10730	Superstructure (Roof Slabs)	62	62	0%	19-Oct-16	31-Dec-16	-146						
113 - Field Kiosk for Access Control Portion B													
B11320	Raft Foundation	32	32	0%	31-Aug-16	08-Oct-16	-142						
B11330	Superstructure (Roof Beams & Slabs)	60	60	0%	11-Oct-16	19-Dec-16	-142						
External Works for Portion B													
Radiation Screen Wall Portion B													
BB1580	Construction of Radiation Screen Wall	75	52	30.67%	07-Mar-16 A	02-Nov-16	49						
Drainage Works													
SG1540	Drainage Works (4397m & 174MHs)	300	225	25%	17-Dec-15 A	07-Jun-17	-124						
SG3580	Sewerage (1330m & 34MHs)	300	225	25%	02-Jan-16 A	07-Jun-17	-124						
Waterpipe Laying													
SW1550	Fresh Water Main Laying (1972m)	300	300	0%	31-Aug-16	04-Sep-17	-151						
SW1560	Flushing Water Main Laying (1851m)	300	300	0%	31-Aug-16	04-Sep-17	-151						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting													
SU5300	Duct Laying for Utilities/Telecom Cabling	300	300	0%	31-Aug-16	04-Sep-17	-151						
SU5310	Duct Laying for TCSS & Lighting	100	100	0%	25-Oct-16	24-Feb-17	-108						
Roadworks													
SR1640	Subbase (43152 ton)	342	342	0%	31-Aug-16	25-Oct-17	-169						
SR3580	Bitumen Pavement (61126 ton)	342	342	0%	29-Oct-16	21-Dec-17	-169						
SR3600	Rigid Pavement (594 m3), Footpath & EVA	342	342	0%	29-Oct-16	21-Dec-17	-169						
Sign Gantry ADS 306A & ADS 306B													
SS5230	Submission and approval for Sign Gantry	100	50	50%	03-May-16 A	31-Oct-16	-155						
SS5240	Fabrication & Delivery of Sign Gantrys to Site	250	250	0%	01-Nov-16	04-Sep-17	-155						
PORTION C													
Portion C Buildings													
010 - Inbound Coach Kiosk & Staff Subway Entrance													
A01010	Substructure and Staircase Construction	60	60	0%	31-Aug-16	11-Nov-16	-288						
A01020	Kiosk Superstructure	100	100	0%	12-Nov-16	15-Mar-17	-288						
009 - Shuttle Bus Kiosk & Staff Subway Entrance													
A00930	Constructing Wall + Top Slab of Bay 0-3	37	6	83.78%	20-Jun-16 A	06-Sep-16	-205						
A00940	Finishing	30	30	0%	31-Aug-16	06-Oct-16	-209						
A00950	BS + E&M for AVCSS works (Stage 1)	30	30	0%	09-Sep-16	17-Oct-16	-209						
B00910	Substructure and Staircase Construction (Portion B&C)	43	43	0%	18-Oct-16	06-Dec-16	-209						
012 - DOH Disinsection Area and Store Room 1, at Portion C													
B01210	Excavation & Blinding	10	10	0%	31-Aug-16	10-Sep-16	-40						
B01220	Raft Foundation	20	20	0%	12-Sep-16	06-Oct-16	-34						
B01230	Superstructure	35	35	0%	07-Oct-16	17-Nov-16	-34						
B01240	Finishing	80	80	0%	18-Nov-16	25-Feb-17	30						
B01270	BS for Office Accommodation (Stage B)	70	70	0%	18-Nov-16	14-Feb-17	-34						
104 - DOH Secondary Screening Station at Portion C													

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								Aug	Sep	Oct	Nov		Dec
A10420	Excavation & Blinding	5	5	0%	12-Sep-16	17-Sep-16	-40						
Facade Cladding System													
A10460	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	-1						
A10465	Fabrication of F/C System	60	60	0%	07-Oct-16	16-Dec-16	-1						
108 C&ED Mobile X-ray Machine Operation Office, Portion C													
A10805	Excavation & Blinding	5	5	0%	06-Sep-16	10-Sep-16	-60						
A10810	Raft Foundation	25	25	0%	12-Sep-16	13-Oct-16	-60						
A10840	Super Structure (Roof Beams & Slabs)	40	40	0%	14-Oct-16	29-Nov-16	-60						
HPL Composite Panel Cladding System													
A10800	Shop Drawing Submission and Approval	30	30	0%	11-Oct-16	14-Nov-16	-2						
A10815	Fabrication of HPL Cladding	60	60	0%	15-Nov-16	26-Jan-17	-2						
110 IMM D Guard Booth (Type 2)													
A11020	Excavation & Blinding	5	5	0%	19-Sep-16	23-Sep-16	-40						
A11030	Substructure	25	25	0%	24-Sep-16	25-Oct-16	-14						
A11080	Finishing	45	45	0%	25-Oct-16	16-Dec-16	85						
A11090	BS for Office Accommodation (Stage 8)	70	70	0%	25-Oct-16	18-Jan-17	-14						
B11020	Other BS + E&M Installation	130	130	0%	14-Nov-16	25-Apr-17	54						
Facade Envelop Structure Installation													
A11040	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	30						
A11045	Fabrication of F/C System	60	60	0%	07-Oct-16	16-Dec-16	30						
111 Field Kiosk for Carpark Operator													
A11120	Excavation & Blinding	5	5	0%	31-Aug-16	05-Sep-16	-55						
HPL Composite Panel Cladding System													
B11110	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	30						
B11120	Fabrication of HPL Cladding	60	60	0%	07-Oct-16	16-Dec-16	30						
113 - Field Kiosk for Access Control, Portion C													
C11310	Excavation & Blinding	5	5	0%	31-Aug-16	05-Sep-16	-80						
C11320	Raft Foundation	30	30	0%	06-Sep-16	13-Oct-16	-80						
C11330	Superstructure (Roof Beams & Slabs)	60	60	0%	14-Oct-16	22-Dec-16	-80						
External Works for Portion C													
Works in Location 1, 2 & 011 - Emergency Generator Building													
BB1440	Works in Location 1 2	90	90	0%	31-Aug-16	16-Dec-16	65						
BB1460	ELV System Installation for Contract HY2013/01	50	50	0%	31-Oct-16	29-Dec-16	145						
Drainage Works													
B00040	Initial Survey	12	12	0%	31-Aug-16	13-Sep-16	-242						
SG2400	Drainage Works (1695m & 32MHs)	120	120	0%	10-Nov-16	06-Apr-17	-288						
SG3610	Sewerage (186m & 4MHs)	120	120	0%	12-Nov-16	08-Apr-17	-168						
PORTION D													
Portion D Building													
113 - Field Kiosk for Access Control, Portion D													
C11350	Excavation & Blinding	5	5	0%	24-Sep-16	29-Sep-16	-40						
C11360	Raft Foundation	30	30	0%	30-Sep-16	05-Nov-16	-40						
C11370	Superstructure (Roof Beams & Slabs)	60	60	0%	07-Nov-16	18-Jan-17	-40						
D11340	BS for Office Accommodation (Stage 8)	70	70	0%	25-Nov-16	21-Feb-17	-40						
External Works for Portion D													
Drainage Works													
B00050	Initial Survey	6	6	0%	31-Aug-16	06-Sep-16	-59						
SG3640	Drainage Works (655m & 13MHs)	90	90	0%	07-Sep-16	23-Dec-16	-59						
SG3760	Sewerage (121m & 6MHs)	100	100	0%	07-Sep-16	07-Jan-17	-59						

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								Aug	Sep	Oct	Nov	
Waterpipe Laying												
SW3650	Fresh Water Main Laying (108m)	100	100	0%	08-Nov-16	10-Mar-17	-59					
Duct Laying for Utilities/Telecom Cabling, TCS & Lighting												
B11480	ELV System Installation for Contract HY2013/02	60	60	0%	21-Oct-16	31-Dec-16	144					
SU5340	Duct Laying for Utilities/Telecom Cabling	100	100	0%	08-Nov-16	10-Mar-17	-59					
SU5350	Duct Laying for TCS & Lighting	100	100	0%	08-Nov-16	10-Mar-17	-59					
Works of Car Park Management System at Location 1.5, 1.6A & 1.6B												
SR5540	Works for Car Park Management System at Location 1.5	97	97	0%	10-Nov-16	09-Mar-17	0					
PORTION E												
Portion E Building												
006 - Shuttle Bus Kiosk & Staff Subway Entrance at Portion E & M												
A00610	ELS + Blinding for Subway	12	12	0%	07-Sep-16	21-Sep-16	-131					
A00620	Constructing base of Subway	25	25	0%	22-Sep-16	22-Oct-16	-131					
A00630	Constructing wall stem + top slab of Subway	40	40	0%	24-Oct-16	08-Dec-16	-131					
External Works for Portion E												
Drainage Works												
B00060	Initial Survey	6	6	0%	31-Aug-16	06-Sep-16	-131					
PORTION G, H1 & H2												
Portion G Structures												
Box Culvert C												
Steel H Pile												
SC5130	Box C - 164 nos. of driven H pile	60	60	0%	12-Sep-16*	23-Nov-16	-158					
SC5530	Testing	50	50	0%	27-Oct-16	23-Dec-16	-144					
Box Culvert Structure												
SC0310	Box C - Branch Construction	45	45	0%	24-Nov-16	18-Jan-17	-80					
SC0380	Box C - Construction of Main Body	142	142	0%	24-Nov-16	22-May-17	-158					
Bridge A1												
Bored Pile												
S10120	Bore pile, 10 nos. (8 No. cast)	58	12	80%	29-Feb-16 A	13-Sep-16	-7					
Pile Cap												
S10510	Cap - Pier A106	30	30	0%	26-Sep-16	02-Nov-16	-7					
Pier & Abutment												
S10610	Abutment A106	30	30	0%	02-Nov-16	07-Dec-16	-7					
S10630	Pier P102, P105 (P102 cast)	25	13	50%	27-Jun-16 A	14-Sep-16	57					
Structure Deck												
S10760	Construct Bridge Deck, Bridge A1	125	118	6%	25-Jul-16 A	25-Aug-17	-105					
Bridge A2												
Structure Deck												
S21570	Construct Deck, Bridge A2	120	78	35%	23-May-16 A	10-Jul-17	-72					
Bridge A3												
Bored Pile												
S31640	Bore piling for P302, P303, A305 (GNr.)	34	0	100%	13-Jun-16 A	31-Jul-16 A						
S31670	Pile Testing for P304a/b	7	7	0%	31-Aug-16	07-Sep-16	-7					

Legend

- █ Actual Work
- █ Remaining Work
- █ Critical
- ◆ Milestone

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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Date	Revision	Checked	Approved
30-Jun-16	3MRP updated as of 30 June 2016	ZJ	
30-Jul-16	3MRP updated as of 30 July 2016	ZJ	
31-Aug-16	3MRP updated as of 31 Aug 2016	ZJ	

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	2016				Total Float	
							Aug	Sep	Oct	Nov		Dec
S31680	Pile Testing for P302, P303 & A305	7	0	100%	26-Jul-16 A	01-Aug-16 A						
Pile Cap												
S32030	Cap - P304ab	30	30	0%	08-Sep-16	15-Oct-16						-7
S32040	Cap - Pier P302, P303, A305	30	20	33%	16-Aug-16 A	24-Sep-16						12
Pier & Abutment												
S32120	Pier P304a, P304b	25	25	0%	17-Oct-16	14-Nov-16						-7
S32130	Abutment A305	30	30	0%	24-Sep-16	01-Nov-16						12
S32150	Pier P302, P303	25	25	0%	15-Nov-16	13-Dec-16						-7
Bridge A4												
Bored Pile												
S42340	Pile Testing	7	7	0%	31-Aug-16	07-Sep-16						-232
Pile Cap												
S42360	Cap - Pier P401	30	30	0%	08-Sep-16	15-Oct-16						-232
S42370	Cap - Pier P402	30	30	0%	08-Sep-16	15-Oct-16						-232
Pier & Abutment												
S42380	Pier P401	25	25	0%	17-Oct-16	14-Nov-16						-232
S42390	Pier P402	25	25	0%	17-Oct-16	14-Nov-16						-232
Structure Deck												
S42460	Construct Deck, Bridge A4	90	90	0%	15-Nov-16	06-Mar-17						-232
Bridge A5												
Bored Pile												
S52630	Bore piling for 19 Nr. (19 cast)	60	0	100%	09-May-16 A	17-Aug-16 A						
S52640	Pile Testing for P504, P505	7	7	0%	31-Aug-16	07-Sep-16						-197
S52650	Pile Testing for A503 & P506	7	7	0%	31-Aug-16	07-Sep-16						-167
S52660	Pile Testing for A501 & P502ab, P507	7	7	0%	31-Aug-16	07-Sep-16						-147
Pile Cap												
S52710	Cap for P504, P505	30	30	0%	08-Sep-16	15-Oct-16						-197
S52720	Cap - Pier P503, P506	30	30	0%	17-Oct-16	19-Nov-16						-197
S52730	Cap - Pier A501, P502ab, P507	35	35	0%	08-Sep-16	21-Oct-16						-147
Pier & Abutment												
S52800	Pier P504, P505	25	25	0%	17-Oct-16	14-Nov-16						-192
S52820	Pier P503, P506	25	25	0%	21-Nov-16	19-Dec-16						-197
S52830	Pier P507	35	35	0%	22-Oct-16	01-Dec-16						168
S52850	Abutment A501	30	30	0%	22-Oct-16	25-Nov-16						-5
Bridge A6												
Pile Cap												
S63410	Cap - P606, P607/711 (606 cast)	40	20	50%	24-May-16 A	23-Sep-16						-146
Pier & Abutment												
S63350	Pier P601, P606	25	0	100%	29-Mar-16 A	22-Aug-16 A						
S63360	Pier P604, P605	25	0	100%	02-Jul-16 A	13-Aug-16 A						
S63370	Pier P602, P603 (602 cast)	25	4	85%	06-Jun-16 A	03-Sep-16						-100
Structure Deck												
S63380	Abutment A607	30	30	0%	24-Sep-16	31-Oct-16						-146
S63880	Construct Deck, Bridge A6	135	135	0%	01-Nov-16	18-Apr-17						-146

Actual Work	Revision	Date	Date	Checked	Approved
Remaining Work	3MRP updated as of 30 June 2016	30-Jun-16	3MRP updated as of 30 July 2016	ZJ	ZJ
Critical	3MRP updated as of 31 Aug. 2016	30-Jul-16	3MRP updated as of 31 Aug. 2016	ZJ	ZJ
Milestone		31-Aug-16			

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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016					
								Aug	Sep	Oct	Nov		
Bored Pile													
S74170	Bore Piling for A701, P702 - P705, 10 Nr. (9 Nr. done)	42	4	90%	20-Nov-15 A	05-Sep-16	-79						
S74920	Pile Testing for A701, P702, P703	7	7	0%	17-Sep-16	26-Sep-16	-43						
Pile Cap													
S74220	Cap for P704, P705	30	15	50%	27-Jul-16 A	17-Sep-16	-36						
S74230	Cap for P702, P703	30	30	0%	26-Sep-16	02-Nov-16	-38						
S74240	Cap for A701	30	30	0%	26-Sep-16	02-Nov-16	-43						
Pier & Abutment													
S74310	Pier P706, P707, P712	25	0	100%	02-Jul-16 A	13-Aug-16 A							
S74320	Pier P704, P705	25	25	0%	19-Sep-16	19-Oct-16	-1						
S74330	Pier P702, P703	25	25	0%	02-Nov-16	01-Dec-16	-38						
S74350	Abutment A701	30	30	0%	02-Nov-16	07-Dec-16	-43						
S74390	Pier P708, P709	25	0	100%	02-Jul-16 A	08-Aug-16 A							
S74440	Pier P710	25	0	100%	01-Aug-16 A	31-Aug-16 A							
S74450	Abutment A711	30	30	0%	01-Nov-16	05-Dec-16	-41						
Structure Deck													
S74670	Construct Deck, Bridge 7a, 7b & 7c	135	132	2%	16-Aug-16 A	25-Sep-17	-145						
Bridge A8													
Bored Pile													
S86140	Pile Testing for A804	7	7	0%	31-Aug-16	07-Sep-16	-21						
S86150	Pile Testing for P802, P803	7	7	0%	31-Aug-16	07-Sep-16	9						
Pile Cap													
S86210	Cap - Abutment A804	30	30	0%	08-Sep-16	15-Oct-16	-21						
S86220	Cap for P802, P803	30	30	0%	17-Oct-16	19-Nov-16	-21						
Pier & Abutment													
S86250	Abutment A804	30	30	0%	17-Oct-16	19-Nov-16	-19						
S86260	Pier P802, P803	25	25	0%	21-Nov-16	19-Dec-16	-21						
Retaining Walls W1-1, W3-1, W5-1 & W7-1													
Retaining Wall W3-1													
S37130	Bored Pile for W3-1, 16 Nr.	118	118	0%	05-Sep-16	27-Jan-17	-79						
Retaining Wall W5-1													
S52010	Construction of Retaining Wall W5-1 (L-shape, 5 bays)	68	68	0%	26-Nov-16	20-Feb-17	-5						
Portion G Buildings													
033 Inbound Private Car Exam Building													
A03320	Super Structure	40	26	35%	11-May-16 A	30-Sep-16	-34						
A03330	Finishing	90	90	0%	03-Oct-16	19-Jan-17	-34						
A03350	External Works	70	70	0%	03-Oct-16	23-Dec-16	79						
A03370	BS for Office Accommodation (Stage 8)	70	70	0%	03-Oct-16	23-Dec-16	5						
Glass Canopy Installation													
B03300	Shop Drawing Submission and Approval	30	30	0%	29-Jul-16 A	23-Nov-16	-65						
B03305	Fabrication of Glass Canopy	60	60	0%	24-Nov-16	08-Feb-17	-65						

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■ Actual Work
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HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				29-Aug-16	
								Aug	Sep	Oct	Nov		Dec
034 - Satellite RCP South													
A03430	Aluminium Metal Canopy	30	30	0%	18-Aug-16 A	23-Nov-16	-50						
B03315	Shop Drawing Submission and Approval	60	60	0%	24-Nov-16	08-Feb-17	-50						
A03430	Fabrication of F/C System	30	4	86.67%	05-Jul-16 A	03-Sep-16	-2						
A03440	Raft Foundation	40	40	0%	05-Sep-16	24-Oct-16	-2						
A03450	Super Structure (Roof Beams & Slabs)	60	60	0%	25-Oct-16	05-Jan-17	50						
A35030	Finishing	59	59	0%	25-Oct-16	04-Jan-17	-2						
A35050	BS for Office Accommodation (Stage 8)	130	130	0%	12-Nov-16	24-Apr-17	55						
035 - Sewage Pumping Station, Portion G													
A03540	Other BS + E&M Installation	12	12	0%	25-Jun-16 A	13-Sep-16	-121						
A03550	Sheet Piling as ELS for Wet Well	7	7	0%	14-Sep-16	22-Sep-16	-121						
A03560	Pile Testing, 5 Nr.	10	10	0%	23-Sep-16	05-Oct-16	-121						
A03570	ELS + Blinding for Wet Well	20	20	0%	06-Oct-16	29-Oct-16	-121						
A03580	Constructing of Base Slab of Wet Well	25	25	0%	31-Oct-16	28-Nov-16	-121						
A03590	Constructing of Wall Stem of Wet Well	12	12	0%	29-Nov-16	12-Dec-16	-121						
051 Transformers (Zone 5)													
A05150	Water-tightness Test for Wet Wells	60	36	40%	16-May-16 A	14-Oct-16	61						
A05165	Finishing	50	50	0%	27-Jun-16 A	31-Oct-16	139						
A05170	Energisation by CLP	70	70	0%	02-Jul-16 A	23-Nov-16	31						
A05180	BS for Office Accommodations (KD9)	70	70	0%	24-Nov-16	20-Feb-17	35						
A05190	Other BS + E & M Installation	150	147	2%	22-Feb-16 A	28-Feb-17	98						
100 Inbound Traffic Control Kiosk													
A10000	Excavation + Blinding (PL test commenced on 26/1/16)	5	5	0%	31-Aug-16	05-Sep-16*	-166						
A10010	Raft Foundation	15	15	0%	06-Sep-16	23-Sep-16	-166						
A10040	Super Structure (Roof Beams & Slabs)	30	30	0%	24-Sep-16	31-Oct-16	-166						
A10050	Finishing	45	45	0%	01-Nov-16	22-Dec-16	-166						
A10070	BS + E&M for AVCSS Works (KD18A)	86	86	0%	01-Nov-16	15-Feb-17	-166						
B10010	HPL Composite Panel Cladding System	30	30	0%	31-Aug-16	06-Oct-16	40						
B10015	Shop Drawing Submission and Approval	60	60	0%	07-Oct-16	16-Dec-16	40						
External Works for Portion G, H1 & H2													
Works within Portion H1 & H2 except the ELV Works in the Hong Kong Side PTI													
BB1560	Works within Portion H1 & H2 in the Hong Kong Side PTI (KD20)	100	100	0.5%	30-May-16 A	09-Oct-17	-190						
All Works within the Boundary defined in Drawing No. 60191049/C3000/C00/1050													
BB1570	All Works within the Boundary defined in Drawing No. 60191048/C3000/1050, excluding Portion H1 & H2 & Bridges	126	126	0%	26-Sep-16	28-Feb-17	-14						
Drainage Works													
B00080	Initial Survey	12	12	0%	31-Aug-16	13-Sep-16	-225						
SG4070	Drainage Works (3748m & 191Mhs)	84	69	18%	03-May-16 A	07-Jun-17	-59						

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■ Actual Work
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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016					
								Aug	Sep	Oct	Nov		
SC4190	Sewerage (422m & 12MHs)	84	77	8%	01-Jun-16 A	17-Jun-17	-59						
Sign Gantry DS40, DS41 & DS75													
SS0020	Sign Gantry DS40 Pre-bored H Piling, 12 Nr.	30	30	0%	31-Aug-16	06-Oct-16	35						
SS0040	Sign Gantry DS41 Driven Piling 4 Nr.	7	7	0%	24-Nov-16	01-Dec-16	48						
SS0080	Testing for Pre-bored H Piling	50	50	0%	01-Nov-16	30-Dec-16	45						
SS0170	Submission and approval for Sign Gantry	90	52	42.22%	31-Aug-16 A	02-Nov-16	-107						
SS0180	Fabrication & Delivery of Sign Gantrys to Site	200	200	0%	03-Nov-16	10-Jul-17	-107						
PORTION J													
Portion J Structure													
030 Outbound Staff Subway (Portion J)													
B03010	ELS + blinding (Bay 34-41) (8 bay)	55	55	0%	31-Aug-16	05-Nov-16	-153						
B03020	Bay 34-39 Construction - Base Slab	34	34	0%	12-Oct-16	19-Nov-16	-153						
B03030	Bay 34-39 Construction - Wall + Top Slab	43	43	0%	02-Nov-16	21-Dec-16	-153						
B03040	Bay 40-41 Construction - Base Slab	34	34	0%	12-Oct-16	19-Nov-16	-153						
B03050	Bay 40-41 Construction - Wall + Top Slab, Staircase	43	43	0%	02-Nov-16	21-Dec-16	-153						
B03060	Internal Finishes & Cable Containment (KD2)	30	30	0%	28-Nov-16	04-Jan-17	-153						
030 Outbound Private Car & GV Kiosks													
A03010	Submission & Approval for Steel Works	60	26	56.67%	01-Apr-16 A	30-Sep-16	-157						
A03020	Pre-fabrication for the Steel Kiosks	84	84	0%	03-Oct-15	12-Jan-17	-157						
030 Outbound Kiosks, Section IX, Subject to Excision													
C03010	Submission & Approval for Steel Works	100	26	74%	01-Apr-16 A	30-Sep-16	-121						
C03020	Pre-fabrication for the Steel Kiosks	100	100	0%	03-Oct-15	03-Feb-17	-121						
Portion J Buildings													
024 Outbound Private Car Exam Building													
A02400	Excavation + Blinding	10	10	0%	06-Sep-16	17-Sep-16	-119						
A02410	Raft Foundation	30	30	0%	19-Sep-16	25-Oct-16	-119						
A02420	Super Structure	40	40	0%	26-Oct-16	10-Dec-16	-119						
Glass Canopy Installation													
B02410	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	-45						
B02415	Fabrication of F/C System	60	60	0%	07-Oct-15	16-Dec-16	-45						
Aluminium Metal Canopy													
B02450	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	-30						
B02455	Fabrication of F/C System	60	60	0%	07-Oct-16	16-Dec-16	-30						
031 Outbound IMMD and DOH Secondary Screen Building													
A03100	Excavation + Blinding	10	10	0%	13-Sep-16	26-Sep-16	-77						
A03110	Raft Foundation	35	35	0%	26-Sep-16	08-Nov-16	-77						
A03140	Super Structure	89	89	0%	08-Nov-16	27-Feb-17	-77						
060 - Single Storey Support Building Associated with Buildings 044 & 045													
A06000	Excavation + Blinding	5	5	0%	13-Oct-16	18-Oct-16	-179						
A06010	Raft Foundation (Traper)	25	25	0%	19-Oct-16	16-Nov-16	-179						
A06020	Superstructure (Traper) Construction	35	35	0%	17-Nov-16	29-Dec-16	-179						
A06040	Excavation + Blinding (Strip part)	15	15	0%	19-Oct-16	04-Nov-16	-58						
A06045	Raft Foundation (Strip part)	45	45	0%	17-Nov-16	11-Jan-17	-68						
061 Telecom Building													
A06120	Excavation + Blinding	5	5	0%	31-Aug-16	05-Sep-16	-39						
Aluminium Metal Canopy													

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- Actual Work
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Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				25-Aug-16	
								Aug	Sep	Oct	Nov		
B06110	Shop Drawing Submission and Approval	30	30	0%	24-Oct-16	26-Nov-16	7						
B06115	Fabrication of Aluminium Cladding	60	60	0%	28-Nov-16	11-Feb-17	7						
101 - Outbound Traffic Control Kiosk													
A10100	Excavation + Blinding	5	5	0%	31-Aug-16	05-Sep-16	-134						
A10110	Raft Foundation	13	13	0%	03-Oct-16	18-Oct-16	-155						
A10130	Super Structure (Roof Beams & Slabs)	30	30	0%	19-Oct-16	22-Nov-16	-155						
A10140	Finishing	45	45	0%	23-Nov-16	17-Jan-17	131						
A10150	BS + E&M for AVCSS Works (KD18A)	60	60	0%	23-Nov-16	07-Feb-17	-155						
A10160	BS + E&M for AVCSS Cabling (KD18B)	68	68	0%	23-Nov-16	16-Feb-17	-98						
A10170	BS for Office Accommodations (KD9)	70	70	0%	23-Nov-16	18-Feb-17	-38						
HPL Composite Panel Cladding System													
B10110	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	25						
B10120	Fabrication of HPL Cladding	60	60	0%	07-Oct-16	16-Dec-16	25						
External Works for Portion J													
Drainage Works													
B00110	Initial Survey	6	6	0%	31-Aug-16	06-Sep-16	-103						
SG4220	Drainage Works (3435m & 117MHs)	180	173	4%	25-Apr-16A	09-May-17	-125						
SG4340	Sewerage (845m & 22MHs)	180	173	4%	01-Jun-16A	09-May-17	-125						
Waterpipe Laying													
SW4230	Fresh Water Main Laying (1541m)	180	180	0%	29-Oct-16	10-Jun-17	-125						
SW4240	Flushing Water Main Laying (862m)	180	180	0%	05-Oct-16	18-May-17	-105						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting													
SU5420	Duct Laying for Utilities/Telecom Cabling	180	180	0%	29-Oct-16	10-Jun-17	-125						
SU5430	Duct Laying for TCSS & Lighting	180	180	0%	29-Oct-16	10-Jun-17	-125						
Sign Gantry DS104													
SS0140	Sign Gantry DS104 P-bored Piling, 8 Nr.	30	30	0%	07-Oct-16	11-Nov-16	35						
SS5140	Submission and approval for Sign Gantry	60	60	0%	31-Aug-16	11-Nov-16	-95						
SS5150	Fabrication & Delivery of Sign Gantries to Site	180	180	0%	12-Nov-16	24-Jun-17	-95						
PORTION K, L & M													
Portion K Building													
002 - C&ED Observation Guard Booth													
A00210	Excavation + Blinding	5	5	0%	12-Sep-16	17-Sep-16	-60						
Portion M Buildings													
108 - C&ED Mobile X-ray Operation Office, Portion M													
B10800	Excavation + Blinding	5	5	0%	31-Aug-16	05-Sep-16	-120						
B10810	Substructure (raft Foundation)	20	20	0%	06-Sep-16	29-Sep-16	-120						
B10840	Super Structure (Roof beams & Slabs)	30	30	0%	30-Sep-16	05-Nov-16	-120						
B10850	Finishing	30	30	0%	07-Nov-16	10-Dec-16	160						
B10860	BS for Office Accommodations (KD9)	70	70	0%	07-Nov-16	02-Feb-17	-24						
B10880	Other BS + E & M Installation	130	130	0%	25-Nov-16	09-May-17	44						
HPL Composite Panel Cladding System													
C10810	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	-16						
C10820	Fabrication of HPL Cladding	60	60	0%	07-Oct-16	16-Dec-16	-16						
104 DOH Screening Station, at Portion M													
C10400	Excavation + Blinding	5	5	0%	06-Sep-16	10-Sep-16	-75						
C10430	Structure (Raft Foundation)	20	20	0%	07-Nov-16	29-Nov-16	-120						
Facade Envelop Structure Installation													

Actual Work	Remaining Work	Critical	Milestone	Date		Revision		Checked	Approved
				30-Jun-16	30-Jul-16	30-Jun-16	30-Jul-16		
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						3MRP updated as of 31 Aug 2016		ZJ	

THREE MONTH ROLLING PROGRAMME
VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float	2016				20-Aug-16	
								Aug	Sep	Oct	Nov		Dec
D10450	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	29						
D10455	Fabrication of FIC System	60	60	0%	07-Oct-16	16-Dec-16	29						
External Works													
SG0010	Initial Survey for Portion K, L, & M	6	1	80%	08-Jun-16 A	01-Sep-16	-128						
SG0090	Additional Works (Filling & RE Slope)	148	133	10%	08-Jun-16 A	13-Feb-17	-102						
Slope Works at Portion M													
SL0020	Cutting Existing Slope	30	30	0%	01-Sep-16	08-Oct-16	-112						
SL0030	Laying Granular Fill & Backfilling Slope	30	30	0%	08-Oct-16	14-Nov-16	-112						
SL0040	Further Backfilling Slope	60	60	0%	14-Nov-16	26-Jan-17	-112						
Canopy and Covered Walkway													
CC1400	Shop drawing, Approved & Fabrication	136	136	0%	31-Aug-16	15-Feb-17	-91						
PORTION N													
Portion N Structure													
Box Culvert B													
Bored Pile													
SB0570	Box B - Bored Pile, 30 nos.	85	85	0%	31-Aug-16	10-Dec-16	-32						
Portion N Buildings													
104 DOH Screening Station, at Portion N													
C10405	Excavation + Blinding	5	5	0%	31-Aug-16	05-Sep-16	1						
C10410	Structure (Raft Foundation)	25	25	0%	06-Sep-16	06-Oct-16	1						
C10420	Finishing	45	45	0%	07-Oct-16	29-Nov-16	170						
E10410	BS for Office Accommodations (KD9)	70	70	0%	07-Oct-16	30-Dec-16	1						
E10430	Other BS + E & M Installation	130	130	0%	27-Oct-16	03-Apr-17	69						
Facade Envelop Structure Installation													
D10410	Shop Drawing Submission and Approval	30	30	0%	15-Sep-16	22-Oct-16	27						
D10415	Fabrication of FIC System	60	60	0%	24-Oct-16	04-Jan-17	27						
106 C&ED Detention Area Guard Booth													
A10600	Excavation + Blinding	5	5	0%	31-Aug-16	05-Sep-16	6						
A10610	Structure (Raft Foundation)	20	20	0%	06-Sep-16	29-Sep-16	6						
A10640	Finishing	45	45	0%	30-Sep-16	23-Nov-16	175						
E10640	BS for Office Accommodations (KD9)	70	70	0%	30-Sep-16	22-Dec-16	6						
E10660	Other BS + E & M Installation	130	130	0%	21-Oct-16	28-Mar-17	74						
Facade Envelop Structure Installation													
B10610	Shop Drawing Submission and Approval	30	30	0%	31-Oct-16	03-Dec-16	-19						
107 C&ED Mobile X-ray Operation Office, Portion N													
A10700	Excavation + Blinding	5	5	0%	05-Sep-16	10-Sep-16	29						
A10710	Substructure (Raft Foundation)	25	25	0%	30-Sep-16	31-Oct-16	14						
A10740	Super Structure	35	35	0%	01-Nov-16	10-Dec-16	14						
External Works for Portion N													
Drainage Works													
B00150	Initial Survey	12	12	0%	31-Aug-16	13-Sep-16	-126						
SG4520	Drainage Works (3359m & 107MHs)	126	126	0%	14-Sep-16	17-Feb-17	-54						
SG4640	Sewerage (383m & 12MHs)	126	126	0%	14-Sep-16	17-Feb-17	-54						
Waterpipe Laying													
SW4530	Fresh Water Main Laying (641m)	126	126	0%	15-Oct-16	17-Mar-17	-54						
SW4540	Flushing Water Main Laying (413m)	126	126	0%	15-Oct-16	17-Mar-17	-54						

THREE MONTH ROLLING PROGRAMME

VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

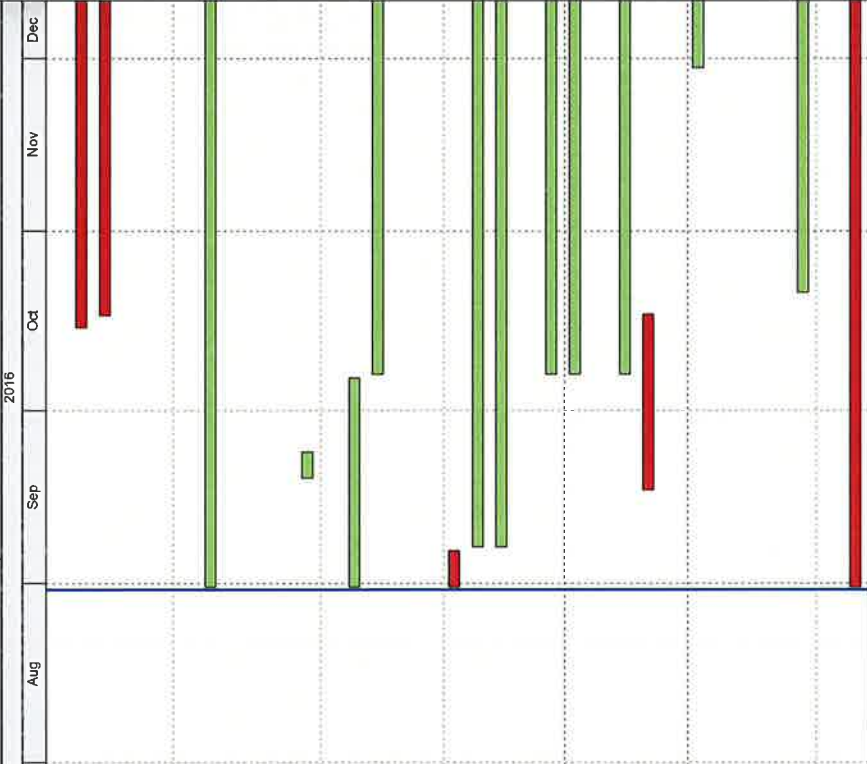
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Actual Work	Revision	Date	Checked	Approved
█ Actual Work	3MRP updated as of 30 June 2016	30-Jun-16	ZJ	
█ Remaining Work	3MRP updated as of 30 July 2016	30-Jul-16	ZJ	
█ Critical	3MRP updated as of 31 Aug. 2016	31-Aug-16	ZJ	
◆ Milestone				

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities

29-Aug-16

Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete	Start	Finish	Total Float
PORTION P							
Portion Structure							
SU5460	Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting	126	126	0%	15-Oct-16	17-Mar-17	-54
SU5470	Duct Laying for TCSS & Lighting	125	125	0%	17-Oct-16	17-Mar-17	-126
Portion P Buildings							
S10810	Construction of Retaining Wall RW1 (U-shape, 5 bays)	100	100	0%	31-Aug-16	30-Dec-16	50
105 IIMMD Guard Booth, Portion P							
A10510	Excavation + Blinding	5	5	0%	19-Sep-16	23-Sep-16	21
Facade Envelop Structure Installation							
A10560	Shop Drawing Submission and Approval	30	30	0%	31-Aug-16	06-Oct-16	44
A10565	Fabrication of F/C System	60	60	0%	07-Oct-16	16-Dec-16	44
External Works for Portion P							
Drainage Works							
B00160	Initial Survey	6	6	0%	31-Aug-16	06-Sep-16	-6
SG4670	Drainage Works (4651m & 129MHs)	105	105	0%	07-Sep-16	13-Jan-17	34
SG4790	Sewerage (269m & 7MHs)	105	105	0%	07-Sep-16	13-Jan-17	34
Waterpipe Laying							
SW4680	Fresh Water Main Laying (1270m)	105	105	0%	07-Oct-16	14-Feb-17	34
SW4690	Flushing Water Main Laying (455m)	105	105	0%	07-Oct-16	14-Feb-17	34
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
SU5480	Duct Laying for Utilities/Telecom Cabling	105	105	0%	07-Oct-16	14-Feb-17	35
SU5490	Duct Laying for TCSS & Lighting (KD15)	24	24	0%	17-Sep-16	17-Oct-16	-6
Roadworks							
SR4770	Subbase (16519 ton)	105	105	0%	29-Nov-16	07-Apr-17	34
PORTION Q							
External Works for Portion Q							
B11490	ELV System Installation for Contract HY2013/04	50	50	0%	21-Oct-16	17-Dec-16	154
Landscape Works							
A5170	Design and Procurement for Irrigation System	230	230	0%	31-Aug-16	17-Apr-17	-29



- Actual Work
- Remaining Work
- Critical
- ◆ Milestone

THREE MONTH ROLLING PROGRAMME
VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

Date	Revision	Checked	Approved
30-Jun-16	3MRP updated as of 30 June 2016	ZJ	
30-Jul-16	3MRP updated as of 30 July 2016	ZJ	
31-Aug-16	3MRP updated as of 31 Aug 2016	ZJ	

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MaterialLab

Report No.: 0165/15/ED/0562

Appendix D

Event / Action Plan

Appendix D –

Event / Action Plan for Air Quality and Noise Monitoring

Event / Action Plan for Air Quality

Event	Action			
	ET	IEC	ER	Contractor
Action Level				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform IEC and ER; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method.	1. Notify Contractor.	1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.

Event	Action			
	ET	IEC	ER	Contractor
2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> 1. Identify source; 2. Inform IEC and ER; 3. Advise the ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and ER; 8. If exceedance stops, cease additional monitoring. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. 	<ol style="list-style-type: none"> 1. Submit proposals for remedial to ER within 3 working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate.

Event	Action			
	ET	IEC	ER	Contractor
Limit Level				
1. Exceedance for one sample	<ol style="list-style-type: none"> 1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform ER, Contractor and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; 5. Supervise implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate.

Event	Action			
	ET	IEC	ER	Contractor
2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> 1. Notify IEC, ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring. 	<ol style="list-style-type: none"> 1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; 3. Supervise the implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 5. 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. 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the ER until the exceedances abated.

Event / Action Plan for Construction Noise Monitoring

Event	Action			
	ET	IEC	ER	Contractor
Action Level	<ol style="list-style-type: none"> 1. Notify IEC and Contractor; 2. Identify source, investigate the causes of exceedance and propose remedial measures; 3. Report the results of investigation to the IEC,ER and Contractor; 4. Discuss with the Contractor and formulate remedial measures; 5. Increase monitoring frequency to check mitigation effectiveness. 	<ol style="list-style-type: none"> 1. Review the analysed results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; 3. Supervise the implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem; 4. Ensure remedial measures are properly implemented. 	<ol style="list-style-type: none"> 1. Submit noise mitigation proposals to IEC; 2. Implement noise mitigation proposals.

Event	Action			
	ET	IEC	ER	Contractor
Limit Level	<ol style="list-style-type: none"> 1. Inform IEC, ER, EPD and Contractor; 2. Identify source; 3. Repeat measurements to confirm findings; 4. Increase monitoring frequency; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Inform IEC, ER and EPD the causes and actions taken for the exceedances; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring. 	<ol style="list-style-type: none"> 1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; 3. Supervise the implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem; 4. Ensure remedial measures properly implemented; 5. 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. 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

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The logo for MaterialLab, featuring the word "MaterialLab" in a bold, sans-serif font. The text is centered between two thick, horizontal black bars.

Report No.: 0165/15/ED/0562

Appendix E

Implementation Schedule for Environmental Mitigation Measures (EMIS)

Appendix E – Implementation Schedule of Environmental Mitigation Measures (EMIS)

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
Air Quality				
S5.5.6.1	A1	1) The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	All construction sites	V
S5.5.6.2	A2	2) Proper watering of exposed spoil should be undertaken throughout the construction phase: <ul style="list-style-type: none"> • 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; • Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; • A stockpile of dusty material should not extend beyond the pedestrian barriers, fencing or traffic cones. • 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; • 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; 	All construction sites	V
S5.5.6.2	A2	<ul style="list-style-type: none"> • 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; • 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, • 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; • 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; • 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 from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding; • Any skip hoist for material transport should be totally enclosed by impervious sheeting; • 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 	All construction sites	V
S5.5.6.2	A2	<ul style="list-style-type: none"> • 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; • Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally 	All construction sites	N/A

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and <ul style="list-style-type: none"> Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site r part of the construction site where the exposed earth lies 		
S5.5.6.3	A3	3) The Contractor should undertake proper watering on all exposed spoil (with at least 8 times per day) throughout the construction phase.	All construction sites	V
S5.5.6.4	A4	4) Engineer to incorporate the controlled measures into the Particular Specification (PS) for the civil work. The PS should also draw the contractor's attention to the relevant latest Practice Notes issued by EPD.	All construction sites	V
S5.5.6.4	A5	5) Implement regular dust monitoring under EM&A programme during the construction stage.	Selected Representative dust monitoring station	V
S5.5.7.1	A6	The following mitigation measures should be adopted to prevent fugitive dust emissions for concrete batching plant; <ul style="list-style-type: none"> Loading, unloading, handling, transfer or storage of any dusty materials should be carried out in totally enclosed system; 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; Vents for all silos and cement/pulverised fuel ash (PFA) weighing scale should be fitted with fabric filtering system; The materials which may generate airborne dusty emissions should be wetted by water spray system; All receiving hoppers should be enclosed on three sides up to 3m above unloading point; All conveyor transfer points should be totally enclosed; All access and route roads within the premises should be paved and wetted; and 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 	Selected Representative dust monitoring station	N/A
S5.5.2.7	A7	The following mitigation measures should be adopted to prevent fugitive dust emissions at barging point: <ul style="list-style-type: none"> All road surface within the barging facilities will be paved; Dust enclosures will be provided for the loading ramp; Vehicles will be required to pass through designated wheels wash facilities; and Continuous water spray at the loading points 	All construction sites	V
Construction Nose (Air borne)				
S6.4.10	N1	1) Use of good site practices to limit noise emissions by considering the following: <ul style="list-style-type: none"> only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works; 	All construction sites	V

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		<ul style="list-style-type: none"> mobile plant should be sited as far away from NSRs as possible and practicable; material stockpiles, mobile container site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities. 		
S6.4.11	N2	2) Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period.	All construction sites	V
S6.4.12	N3	3) Install movable noise barriers (typically density@14kg/m acoustic mat or full enclosure close to noisy plants including compressor, generators, saw.	For plant items listed in Appendix 6D of the EIA report at all construction sites	N/A
S6.4.13	N4	4) Select "Quiet plants" which comply with the BS 5228 Part 1 or TM standards.	For plant items listed in Appendix 6D of the EIA report at all construction site	V
S6.4.14	N5	5) Sequencing operation of construction plants where practicable	All construction sites where practicable	V
S5.1	N6	6) Implement a noise monitoring under EM&A programme.	Selected representative noise monitoring station	V
Sediment				
S7.3	S1	1) The requirements as recommended in ETWB TC 34/2002 Management of Dredged/Excavated Sediment shall be included in the Particular Specification as appropriate.	All construction sites	V
Waste Management (Construction Waste)				
S8.3.8	WM1	<p><u>Construction and Demolition Material</u></p> <p>The following mitigation measures should be implemented in handling the waste:</p> <ul style="list-style-type: none"> Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; Carry out on-site sorting; Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and Implement an enhanced Waste Management Plan similar to E7WBTC (Works) No. 19/2005 - "Environmental Management on Construction Sites" to encourage on-site sorting of C&D materials and to minimize their generation during the course of construction. In addition, disposal of the C&D materials onto any sensitive locations such as agricultural lands, etc. should be avoided. The Contractor shall propose the final 	All construction sites	V

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		disposal sites to the Project Proponent and get its approval before implementation		
S8.3.9- S8.3.11	WM2	<p><u>C&D Waste</u></p> <ul style="list-style-type: none"> Standard formwork or pre-fabrication should be used as far as practicable in order to minimise the arising of C&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. The Contractor should recycle as much of the C&D materials as possible on-site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage. 	All construction sites	V
S8.2.12- S8.3.15	WM3	<p><u>Chemical Waste</u></p> <ul style="list-style-type: none"> 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. 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. The storage area for chemical wastes should be clearly labeled and used solely for the storage of chemical waste; enclosed on at least 3 sides; have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20 % of the total volume of waste stored in that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated. Disposal of chemical waste should be via a licensed waste collector; be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers chemical waste collection service and can supply the necessary storage containers; or be to a reuser of the waste, under approval from the EPD. 	All construction sites	V
S8.3.16	WM4	<p><u>Sewage</u></p> <ul style="list-style-type: none"> 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. 	All construction sites	V
S8.3.17	WM5	<p><u>General Refuse</u></p> <ul style="list-style-type: none"> General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by 	All construction sites	V

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		<p>law.</p> <ul style="list-style-type: none"> • Aluminium cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible. • Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor. • Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including reduction, reuse and recycling of wastes. 		
Water Quality (Construction Phase)				
S9.11.1.7	W2	<p><u>Land Works</u> 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:</p> <ul style="list-style-type: none"> • wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters; • sewage effluent and discharges from on-site kitchen facilities shall be directed to Government sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided; • storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks; • silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly, including specifically at the onset of and after each rainstorm; • temporary access roads should be surfaced with crushed stone or gravel; • rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; • measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system; • open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms; • manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers; • discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system; 	Land-based works area	V
S9.11.1.7	W2	<ul style="list-style-type: none"> • 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; • wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain; • the section of construction road between the wheel 	Land-based works area	V

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		<p>washing bay and the public road should be surfaced with crushed stone or coarse gravel;</p> <ul style="list-style-type: none"> • wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects; • vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for off site disposal; • the contractors shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately; • waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance; • all fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank; and • surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system. 		
Ecology (Construction Phase)				
S10.7	E4	<ul style="list-style-type: none"> • Watering to reduce dust generation; prevention of siltation of freshwater habitats; Site runoff should be desilted, to reduce the potential for suspended sediments, organics and other contaminants to enter streams and standing freshwater 	Land-based works areas	V
S10.7	E5	<ul style="list-style-type: none"> • Good site practices, including strictly following the permitted works hours, using quieter machines where practicable, and avoiding excessive lightings during night time 	Land-based works areas	V
S10.7	E8	<ul style="list-style-type: none"> • Control vessel speed • Skipper training • Predefined and regular routes for working vessels; avoid Brother Islands. 	Marine Traffic	V
Fisheries				
S11.7	F4	<ul style="list-style-type: none"> • Maritime Oil Spill Response Plan (MOSRP); • Contingency plan. 	HKBCF	V
Landscape & Visual (Detailed Design Phase)				
S14.3.3.1	LV1	<p>General design measures include:</p> <ul style="list-style-type: none"> • Roadside planting and planting along the edge of the HKBCF Island is proposed; • Transplanting of mature trees in good health and amenity value where appropriate and reinstatement of areas disturbed during construction by compensatory hydro-seeding and planting; • Protection measures for the trees to be retained during construction activities; • Optimizing the sizes and spacing of the bridge columns; • Fine-tuning the location of the bridge columns to avoid visually-sensitive locations; • Providing planting area around peripheral of HKBCF for tree planting screening effect; • Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline; • 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 	HKBCF	V

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Location of the measures	Implementation Status
		transparent cover for elevated footbridges) to provide harmonious atmosphere of the HKBCF; and <ul style="list-style-type: none"> • Fine-tuning the sizes of the structural members to minimize the bulkiness of buildings and adjustment of building arrangement to minimise disturbance to surrounding vegetation in the HKBCF. 		
Landscape & Visual (Construction Phase)				
S14.3.3.3	LV2	Mitigate both Landscape and Visual Impacts G1. Grass-hydroseed bare soil surface and stock pile areas. G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge footbridge to screen bridge and traffic. G3. Not applicable as this is for HKLR. 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 G5. Vegetation reinstatement and upgrading to disturbed areas G6. Maximizing new tree shrub and other vegetation planting to compensate tree felled and vegetation removed G7. Providing planting area around peripheral of HKBCF for tree planting screening effect; G8. Plant salt-tolerant native and shrubs etc along the planter strip at affected seawall. G9. Reserve of loose natural granite rocks for re-use, Provide new coastline to adopt "natural-look" by means of using armour rocks in the form of natural rock materials and planting strip area accommodating screen buffer to enhance "natural-look" of the new coastline.	HKBCF	N/A
S14.3.3.3	LV3	<u>Mitigate Visual Impacts</u> V1. Minimize time for construction activities during construction period. 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.	HKBCF	N/A
EM&A				
S15.2.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual	All construction sites	V
S15.5 – S15.6	EM2	1) An Environmental Team needs to be employed as per the EM&A Manual. 2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. 3) An environmental impact monitoring needs to be implementing by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.	All construction sites	V

Legend: V = implemented;

x = not implemented;

N/A = not applicable

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Appendix F

Site Audit Findings and Corrective Actions

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Appendix F – Site Audit Findings and Corrective Actions

Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. During the reporting period, 13 site inspections were carried out on 03, 10, 17, 24 and 30 June 2016, 08, 15, 22 and 29 July 2016, and 05, 12, 19 and 26 August 2016.

Particular observations during the site inspections are described below.

13 May 2016

1. CHEC was reminded to remove the stagnant water accumulated at CUE works area. Subsequently, stagnant water was removed at CUE works area. The observation was closed on 03 June 2016.
2. CHEC was reminded to remove the stagnant water accumulated at Portion A1. Subsequently, stagnant water was removed at Portion A1. The observation was closed on 03 June 2016.
3. CHEC was reminded to maintain housekeeping practice at CUE works area. Subsequently, housekeeping practice was maintained at CUE works area. The observation was closed on 03 June 2016.

20 May 2016

1. CHEC was reminded to remove the stagnant water accumulated at the drip tray for chemical container at CUE works area. Subsequently, stagnant water was removed at the drip tray for chemical container at CUE works area. The observation was closed on 03 June 2016.
2. CHEC was reminded to remove the stagnant water accumulated at the drip tray for generator at Portion G. Subsequently, stagnant water was removed at the drip tray for generator at Portion G. The observation was closed on 03 June 2016.
3. CHEC was reminded to separate the excavated marine sediment properly at Portion G from other fill to avoid further contamination. Subsequently, the excavated marine sediment was removed at Portion G. The observation was closed on 03 June 2016.

27 May 2016

1. CHEC is reminded to remove stagnant water at CUE. Subsequently, stagnant water was removed at CUE works area. The observation was closed on 03 June 2016.

03 June 2016

1. CHEC was reminded to increase watering for dust suppression at haul roads on site. Subsequently, watering was increased for dust suppression at haul roads on site. The observation was closed on 03 June 2016.

10 June 2016

1. CHEC was reminded to increase watering for dust suppression at haul roads on site. Subsequently, watering was increased for dust suppression at haul roads on site. The observation was closed on 17 June 2016.

17 June 2016

1. CHEC was reminded to clear the stagnant water accumulated at the concreted area of Portion A1. Subsequently, stagnant water was cleared at the concreted area of Portion A1. The observation was closed on 24 June 2016.

24 June 2016

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1. CHEC was reminded to increase watering for dust suppression at haul roads in general. Subsequently, watering was increased for dust suppression at haul roads in general. The observation was closed on 24 June 2016.
2. CHEC was reminded to enhance watering for dusty activities at Portion G. Subsequently, watering was enhanced for dusty activities at Portion G. The observation was closed on 24 June 2016.

30 June 2016

1. CHEC is reminded to remove stagnant water at CUE. Subsequently, Stagnant water was removed at CUE. The observation was closed on 08 July 2016.

08 July 2016

1. CHEC was reminded to maintain good housekeeping on site at CUE. Subsequently, housekeeping was maintained on site at CUE. The observation was closed on 15 July 2016.
2. CHEC was reminded to remove stagnant water at Building 026. Subsequently, stagnant water was removed at Building 026. The observation was closed on 15 July 2016.
3. CHEC was reminded to properly store chemical on site at Building 037. Subsequently, chemical container was removed at Building 037. The observation was closed on 15 July 2016.
4. CHEC was reminded to remove stagnant water under generator at Building 037. Subsequently, generator was removed at Building 037. The observation was closed on 15 July 2016.

15 July 2016

1. CHEC was reminded to remove stagnant water accumulated at CUE works area. Subsequently, stagnant water was removed at CUE works area. The observation was closed on 22 July 2016.

22 July 2016

1. CHEC was reminded to increase watering for dust suppression at haul roads. Subsequently, watering was increased for dust suppression at haul roads. The observation was closed on 29 July 2016.
2. CHEC was reminded to provide the noise emission label for powered mechanical at CUE works area. Subsequently, the powered mechanical without the noise emission label was removed at CUE works area. The observation was closed on 29 July 2016.
3. CHEC was reminded to cover the stockpile with tarpaulin sheets near Building 037. Subsequently, the stockpile near Building 037 was removed. The observation was closed on 29 July 2016.
4. CHEC was reminded to remove the stagnant water accumulated in Building 037. Subsequently, stagnant water was removed in Building 037. The observation was closed on 29 July 2016.

29 July 2016

1. CHEC was reminded to remove stagnant water accumulated at CUE works area. Subsequently, stagnant water was removed at CUE works area. The observation was closed on 12 Aug 2016.
2. CHEC was reminded to remove stagnant water accumulated in Building 042. Subsequently, stagnant water was removed in Building 042. The observation was closed on 12 Aug 2016.

05 Aug 2016

1. CHEC was reminded to remove stagnant water accumulated at CUE works area. Subsequently, stagnant water was removed at CUE works area. The observation was closed on 12 Aug 2016.

12 Aug 2016

1. CHEC is reminded to remove stagnant water on site. Subsequently, stagnant water was removed on site. The observation was closed on 19 Aug 2016.

19 Aug 2016

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1. CHEC was reminded to provide drip tray for chemical containers on site. Subsequently, chemical containers were removed on site. The observation was closed on 26 Aug 2016.

26 Aug 2016

1. CHEC was reminded to increase watering for dust suppression on site. Follow-up actions for outstanding observation will be checked in the upcoming site inspections and reported in the coming reporting period.
2. CHEC was reminded to remove general refuse accumulated at A2 Bridge area. Follow-up actions for outstanding observation will be checked in the upcoming site inspections and reported in the coming reporting period.

The Contractor has rectified most of the observations as identified during environmental site inspections during the reporting period. Follow-up actions for outstanding observations will be inspected during the next site inspections.

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Appendix G

Waste Flow Table



Monthly Summary of Waste Flow Table for 2016 (year)

Name of Person completing the Record: Marko Chan

Month	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of Non-inert C&D Wastes Generated Monthly					
	Total Quantity Generated (in '000m ³)	Broken Concrete (see Note 1) (in '000m ³)	Reused in the Contract (in '000m ³)	Reused in other Projects (in '000m ³)	Disposed as Public Fill (in '000m ³)	Metals (in '000 Kg)	Paper/ cardboard packaging (in '000 Kg)	Plastics (see Note 2) (in '000 Kg)	Chemical Waste (in '000 Kg)	Others, e.g. general refuse (in '000m ³)	
											(in '000m ³)
Jan	0.000	0	0	0	0.000	0	0.992	0	0	0.073	
Feb	0.000	0	0	0	0.000	0	0	0	0.093		
Mar	0.087	0	0	0	0.087	0	0.392	0	0	0.200	
Apr	0.184	0	0	0	0.184	0	0.411	0	0	0.224	
May	0.203	0	0	0	0.203	0	0	0	0	0.293	
Jun	0.244	0	0	0	0.244	0	0.413	0	0	0.322	
Jul	2.429	0	0	0	2.429	0	0	0	0	0.312	
Aug	0.057	0	0	0	0.057	0	0	0	0	0.288	
Sept											
Oct											
Nov											
Dec											
Total	3.204	0.000	0.000	0.000	3.204	0.000	2.208	0.000	0.000	1.805	

Notes:

- (1) Broken concrete for recycling into aggregates.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

Monthly Summary of Excavated Marine Sediment for 2016 (year)

Month	Total Quantity of Excavated Marine Sediment Generated in '000m ³	Reused in this contract in '000m ³	Reused in other Projects in '000m ³	Disposed of at CMP in '000m ³
Jan	1.950	0	0	1.950
Feb	2.328	0	0	2.328
Mar	2.464	0	0	2.464
Apr	5.602	0	0	5.602
May	0	0	0	0
Jun	4.584	0	0	4.584
Jul	10.728	0	0	10.728
Aug	1.544	0	0	1.544
Sep				
Oct				
Nov				
Dec				
Total	29.200	0.000	0.000	29.200

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Appendix H

Environmental Licenses and Permits

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

Item	Permit/Licence Registration	Permit No.	Work Area	Application Date	Issue Date	Valid Date		Status	Remark
						From	To		
1	Environmental Permit Pursuant to Environmental Impact Assessment Ordinance	EP-353/2009/K	HKBCF	24-Mar-16	11-Apr-16	11-Apr-16	Nil	Valid	
2	Notification Pursuant to Section 3(1) of The Air Pollution Control (Construction Dust) Regulation	Ref No. 387703	Main Site Area	15-Apr-15	15-Apr-15	15-Apr-15	Nil	Valid	
3	Notification Pursuant to Section 3(1) of The Air Pollution Control (Construction Dust) Regulation	Ref No. 387735	Works Area WA3	15-Apr-15	15-Apr-15	15-Apr-15	Nil	Valid	
4	Billing A/C for Construction Waste Disposal Pursuant to Section 6 & 9 of the Waste Disposal (Charges for Disposal of Construction waste) Regulation	A/C No. 7022228	Main Site Area, WA3 & 4	15-Apr-15	06-May-15	06-May-15	Nil	Valid	
5	Registration as Waste Producer Pursuant to Waste Disposal (Chemical Waste) (General) Regulation	5213-951-C1186-28	Main Site Area	28-Apr-15	01-Jun-15	01-Jun-15	Nil	Valid	
6	Registration as Waste Producer Pursuant to Waste Disposal (Chemical Waste) (General) Regulation	5213-974-C3597-03	Works Area WA4	28-Apr-15	01-Jun-15	01-Jun-15	Nil	Valid	
7	Water Discharge License Pursuant to Water Pollution Control Ordinance (Cap 358)	WT00022180-2015	Works Area WA3	29-Apr-15	04-Aug-15	03-Aug-15	31-Aug-20	Valid	
8	Water Discharge License Pursuant to Water Pollution Control Ordinance (Cap 358)	WT00022391-2015	Main Site Area	06-May-15	04-Sept-15	04-Sept-15	30-Sept-20	Valid	
9	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	PP-RS0009-16	Portion G	02-Mar-16	16-Mar-16	21-Mar-16	20-Jul-16	Expired	
10	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0244-16	Main Site Area	03-Mar-16	17-Mar-16	18-Mar-16	18-Jun-16	Expired	
11	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0249-16	Main Site Area	03-Mar-16	17-Mar-16	19-Mar-16	18-Jun-16	Superseded	
12	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0269-16	Floating Concrete Batching Plant	03-Mar-16	17-Mar-16	19-Mar-16	18-Jun-16	Superseded	
13	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0348-16	Main Site Area	29-Mar-16	12-Apr-16	15-Apr-16	14-Jul-16	Superseded	
14	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0607-16	Main Site Area	02-Jun-16	16-Jun-16	19-Jun-16	18-Sep-16	Valid	

15	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0629-16	Floating Concrete Batching Plant	02-Jun-16	16-Jun-16	19-Jun-16	18-Dec-16	Superseded	
16	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0639-16	Main Site Area	02-Jun-16	16-Jun-16	15-Jul-16	14-Oct-16	Superseded	
17	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	PP-RS0020-16	Portion A, G & H	13-Jul-16	27-Jul-16	28-Jul-16	24-Jan-17	Valid	
18	Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance	GW-RS0933-16	Main Site Area	18-Aug-16	01-Sept-16	05-Sept-16	31-Dec-16	Valid	
19	Permit issued Under the Dumping at Sea Ordinance	EP/MD/17-029	East of Sha Chau (CMP Vd)	09-May-16	19-May-16	24-May-16	23-Jun-16	Expired	
20	Permit issued Under the Dumping at Sea Ordinance	EP/MD/17-040	East of Sha Chau (CMP Vd)	31-May-16	13-Jun-16	14-Jun-16	13-Jul-16	Expired	
21	Permit issued Under the Dumping at Sea Ordinance	EP/MD/17-062	East of Sha Chau (CMP Vd)	30-Jun-16	12-Jul-16	14-Jul-16	13-Aug-16	Expired	
22	Permit issued Under the Dumping at Sea Ordinance	EP/MD/17-075	East of Sha Chau (CMP Vd)	27-Jul-16	05-Aug-16	14-Aug-16	31-Aug-16	Expired	
23	Permit issued Under the Dumping at Sea Ordinance	EP/MD/17-088	East of Sha Chau (CMP Vd)	16-Aug-16	26-Aug-16	01-Sept-16	30-Sept-16	Valid	

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Appendix I

Statistics on Environmental Complaints, Notification of Summons and Successful Prosecutions

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Appendix I –

Statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This reporting period	0	0	0
From commencement date of construction to end of reporting period	1	0	0