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Report No.: 0165/15/ED/0653

QUARTERLY ENVIRONMENTAL MONITORING & AUDIT REPORT (Rev. 1)

September 2016 to November 2016

Client: China Harbour Engineering Co., Ltd.

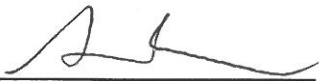
Project: Contract No. HY/2013/03
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities -
Vehicle Clearance Plazas and
Ancillary Buildings and Facilities

Report No.: 0165/15/ED/0653

Prepared by: Scarlet Cheng

Reviewed by: Bong Yu

Certified by:


Arthur Cheng
Environmental Team Leader

6 February 2017

By Fax (3468 2076) and By Post

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

Attention: Mr. Michael Tovey

Dear Sir,

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

**Contract No. HY/2013/03 – HZMB HKBCF – Vehicle Clearance Plazas and
Ancillary Buildings and Facilities
Quarterly EM&A Report No.5 for September 2016 to November 2016**

Reference is made to the Environmental Team's submission of Quarterly Environmental Monitoring & Audit Report No.5 for September 2016 to November 2016 (Rev. 1) certified by the ET Leader (ET's ref.: "MCL/ED/0077/2016/C" dated 2 February 2017) and provided to us via e-mail on 3 February 2017.

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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Date 02 February 2017
Our Ref. MCL/ED/0077/2016/C

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

BY HAND

Attn.: Mr. Raymond Dai, IEC


Dear Sir,

**Quarterly EM&A Report for September 2016 to November 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 September 2016 to November 2016 (Rev.1) for your verification.

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

Yours faithfully,
for and on behalf of
MATERIALAB CONSULTANTS LIMITED



Arthur Cheng
Environmental Team Leader

AC/sc

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/0653

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” (includes the construction works of Contract No. HY/2013/06 “Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Automatic Vehicle Clearance Support System” within Contract No. HY/2013/03 works area) (hereafter referred to as “the Contract”) for the Highways Department of Hong Kong Special Administrative Region (HKSAR). The Contract was awarded to China Harbour Engineering Co. Limited (construction works of Contract No. HY/2013/06 was awarded to ATAL Technologies Limited within Contract No. HY/2013/03 works area) (hereafter referred to as “the Contractor”) and MaterialLab Consultants Limited (MCL) was appointed as the Environmental Team (ET) by the Contractor.

Contract No. HY/2013/03 (includes the construction works of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) is part of the “Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities” (HZMB HKBCF) Project which is a “Designated Project” under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499) and for which an EIA Report (Register No. AEIAR-145/2009) was prepared and approved. The current Environmental Permit (EP) for HKBCF, namely No. EP-353/2009/K, was issued on 11 April 2016. These documents are available through the EIA Ordinance Register. Commencement of Contract No. HY/2013/03 took place on 10 April 2015 while the construction works and the EM&A programme of Contract No. HY/2013/03 commenced on 29 August 2015 (commencement of Contract No. HY/2013/06 took place on 14 August 2015 while the construction works and the EM&A programme of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area commenced on 13 September 2016).

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 5th Quarterly EM&A Report for the Contract which summaries findings of the EM&A works during the reporting period from 01 September 2016 to 30 November 2016 (includes the findings of the EM&A programme of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area during the reporting period from 13 September 2016 to 30 November 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 for Contract No. HY/2013/03 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) during the reporting period are listed below:

Environmental Site Inspection:

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- 01, 08, 15, 22 and 28 September 2016 (15, 22 and 28 September 2016 includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area)
- 06, 13, 27 and 28 October 2016 (Environmental site inspection of 21 October 2016 was cancelled due to hoisting of typhoon signal no. 8 on 21 October 2016 and re-scheduled to 28 October 2016)
- 03, 10, 17 and 25 November 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.

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 two complaints received in relation to the environmental impact during the reporting period.

| Log No. | Environmental Complaint Ref. No. | Date of Complaint Receipt | Description |
|---------|----------------------------------|---------------------------|-------------|
| 002 | ENPO-C0100 | 22 September 2016 | Water |
| 003 | ENPO-C0102 | 10 November 2016 | Water |

After investigation, it was concluded that these two complaints were not related to Contract No. HY/2013/03.

Notifications of Summons and Successful Prosecutions

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

Reporting Changes

There was no reporting change during the reporting period.

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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” (includes the construction works of Contract No. HY/2013/06 “Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Automatic Vehicle Clearance Support System” within Contract No. HY/2013/03 works area) (hereafter referred to as “the Contract”) for the Highways Department of Hong Kong Special Administrative Region (HKSAR). The Contract was awarded to China Harbour Engineering Co. Limited (construction works of Contract No. HY/2013/06 was awarded to ATAL Technologies Limited within Contract No. HY/2013/03 works area) (hereafter referred to as “the Contractor”) and MaterialLab Consultants Limited (MCL) was appointed as the Environmental Team (ET) by the Contractor.
- 1.1.2 Contract No. HY/2013/03 (includes the construction works of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) is part of the “Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities” (HZMB HKBCF) Project which is a “Designated Project” under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499) and for which an EIA Report (Register No. AEIAR-145/2009) was prepared and approved. The current Environmental Permit (EP) for HKBCF, namely No. EP-353/2009/K, was issued on 11 April 2016. These documents are available through the EIA Ordinance Register. Commencement of Contract No. HY/2013/03 took place on 10 April 2015 while the construction works and the EM&A programme of Contract No. HY/2013/03 commenced on 29 August 2015 (commencement of Contract No. HY/2013/06 took place on 14 August 2015 while the construction works and the EM&A programme of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area commenced on 13 September 2016). The works areas of the contract are shown in **Appendix A**.
- 1.1.3 This is the 5th Quarterly EM&A Report summarising the findings of EM&A activities conducted under Contract No. HY/2013/03 from 01 September 2016 to 30 November 2016 (from 13 September 2016 to 30 November 2016 for the construction works of Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) (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** and **Table 1.2**.

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Table 1.1 Contact Information of Key Personnel (for Contract No. HY/2013/03)

| Party | Position | Contact Person | Telephone No. | Fax No. |
|--|---|-------------------|---------------|-----------|
| Engineer or Engineer's Representative (AECOM Asia Co. Ltd.) | Chief Resident Engineer | Mr. Michael Tovey | 3985 7470 | 3902 8800 |
| Environmental Project Office / 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 | 3465 2899 |
| | 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 (Materialab Consultants Limited) | Environmental Team Leader (ETL) | Mr. Arthur Cheng | 3565 4115 | 2450 8032 |
| 24-hr Complaint Hotline | -- | -- | 5236 7111 | -- |

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

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

1.3 Construction Programme

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

1.4 Construction Works undertaken during the Reporting Period

- 1.4.1 A summary of the construction activities undertaken during this reporting period is shown below:

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For Contract No. HY/2013/03September 2016

1. Site Investigation at Portion G;
2. Piling at Portion C, STP, Area G (Bridge A1 – A5, A7b, A8 & A9), Box Culvert B & C;
3. Building at Portion A1, B, G, STP & Pumping Stations;
4. CUE Construction at Portion B, C & J;
5. Drainage & Sewerage Work at Portion B, H1, H2, G & A1;
6. Radiation Screen Wall and Sign Gantry Footing at Portion B;
7. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert C at Portion G;
8. Bridge Works at A1 to A6;
9. Site Foundation Works at Portion K;
10. Cover Walkway at Portion H1 & H2; and
11. 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.

October 2016

1. Site Investigation at Portion G & N;
2. Building at Portion A1, B, G, N, J, STP & Pumping Stations;
3. Piling at Portion C, STP, Area G (Bridge A1 & A9), Box Culvert B & C;
4. CUE Construction at Portion B, C & J;
5. Drainage & Sewerage Work at Portion B, H1, H2, J, P, G & A1;
6. Radiation Screen Wall and Sign Gantry Footing at Portion B;
7. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert C at Portion G;
8. Bridge Works at A1 to A9;
9. Site Foundation Works at Portion K;
10. Cover Walkway at Portion H1 & H2;
11. Box Culvert D at Portion A1; Shuttle kiosk & Subway at Portion E; and
12. Marine sediment excavation activities from the land-based works and corresponding disposal at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee.

November 2016

1. Site Investigation at Portion G & N;
2. Building at Portion A1, B, G, N, J, STP & Pumping Stations;
3. Piling at Portion C, STP, Area G (Bridge A1 & A9), Box Culvert B & C;
4. CUE Construction at Portion B, C & J;
5. Drainage & Sewerage Work at Portion B, H1, H2, J, P, G & A1;
6. Radiation Screen Wall and Sign Gantry Footing at Portion B;
7. Sewerage Pumping Station, High Mast Lighting Foundation & Box Culvert C at Portion G;
8. Bridge Works at A1 to A9;
9. Site Foundation Works at Portion K;
10. Cover Walkway at Portion H1 & H2; and
11. Box Culvert D at Portion A1; Shuttle kiosk & Subway at Portion E.

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

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September 2016

1. Conduit duct laying at CUE Kiosk.

October 2016

1. Conduit duct laying at CUE Kiosk.

November 2016

1. Concealed Conduit works at CUE Vehicle Kiosk.

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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 September 2016, October 2016 and November 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 September 2016, October 2016 and November 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 September 2016, October 2016 and November 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 September 2016 to November 2016 were checked by ET. Marine traffic records of September 2016, October 2016 and November 2016 were provided by Contractor to ER, IEC/ENPO for checking within the month of October 2016, November 2016 and December 2016 respectively. The implementation of marine traffic follows the Regular Marine Travel Route Plan with respect to ET's checking on the marine traffic records for the reporting period.
- 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 of Contract No. HY/2013/03 registered as a chemical waste producer for the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.
- 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 |
| Sep 2016 | 2.328 | 6.816 | 3.888 | 13.032 |
| Oct 2016 | 1.096 | 2.376 | 5.286 | 8.758 |
| Nov 2016 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | 3.424 | 9.192 | 9.174 | 21.790 |

- 3.6.6 The summary of waste flow table for Contract No. HY/2013/03 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) is detailed in **Appendix G**.
- 3.6.7 Contractor of Contract No. HY/2013/03's site arrangement for disposal of bentonite slurry to Tseung Kwan O Area 137 Fill Bank was checked by ET and formal consent has been obtained from Tseung Kwan O Area 137 Fill Bank for receiving used bentonite slurry generated from Contract No. HY/2013/03.

3.7 Environmental Licences and Permits

- 3.7.1 The valid environmental licences and permits for Contract No. HY/2013/03 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area) during the reporting period are summarized in **Appendix H**. The Contractor of Contract No. HY/2013/06 was advised to register as a chemical waste producer when chemical waste is expected to generate for the foreseeable future from the operations (For Registration as Waste Producer Pursuant to Waste Disposal (Chemical Waste) (General) Regulation).

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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 September 2016, October 2016 and November 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 two complaints received in relation to the environmental impact during the reporting period. The summary of environmental complaints is presented in **Table 4.1**. The details of cumulative statistics of Environmental Complaints are provided in **Appendix I**.

Table 4.1 Summary of Environmental Complaints for the Reporting Period

| Log No. | Environmental Complaint Ref. No. | Date of Complaint Receipt | Description |
|---------|----------------------------------|---------------------------|-------------|
| 002 | ENPO-C0100 | 22 September 2016 | Water |
| 003 | ENPO-C0102 | 10 November 2016 | Water |

(a) 22 September 2016 (Log No. 002)

The complaint was received by EPD from a member of the public on 22 September 2016 complained about two site flat top barges came from Tuen Mun everyday and observed that whitish effluent discharged into the sea from 1800 to 0400 near Cell No. 54 to 55 of HZMB construction site which creates pollution during the reporting period. After investigation, it was concluded that the complaint was not related to the construction site activities of Contract No. HY/2013/03. Nevertheless, the contractor had been reminded to comply with the requirements stipulated in the Environmental Mitigation Implementation Schedule (EMIS) of the EM&A Manual, in particular:

Water Quality: W1 –

1. barges and hopper dredgers shall have tight fitting seals to their bottom openings to prevent leakage of material;
2. any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes;

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

(b) 10 November 2016 (Log No. 003)

The complaint was received by EPD from a member of the public on 09 November 2016 complained about water quality pollution was observed behind a barge on 07 November 2016 at 09:26 am from the footbridge near Tung Chung Pier. A barge travelled from Hong Kong Zhuhai Macao Bridge near Scenic Hill site boundary to Tung Chung Pier's front sea area, turbid water was observed behind a barge which creates water quality pollution during the reporting period. After investigation, it was concluded that the complaint was not related to the construction site activities of Contract No. HY/2013/03. Nevertheless, the contractor had been reminded to comply with the requirements stipulated in the Environmental Mitigation Implementation Schedule (EMIS) of the EM&A Manual, in particular:

Water Quality: W1 –

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

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:

For Contract No. HY/2013/03

- CHEC was reminded to provide drip tray for chemicals at CUE & Box Culvert.
- CHEC was reminded to remove stagnant water on site.
- CHEC was reminded to ensure no oil leakage from the generator at Box Culvert.
- CHEC was reminded to clear the stagnant water accumulated at CUE works area.
- CHEC was reminded to clear the stagnant water accumulated at Building 037.
- CHEC was reminded to remove the general refuse accumulated at Building 037.
- CHEC was reminded to provide drip tray for chemical containers at Bridge A7 Area.
- CHEC was reminded to increase watering for dust suppression on site.
- CHEC was reminded to maintain good housekeeping on site (Building 041).
- CHEC was reminded to remove the stagnant water accumulated at the lifting holes of the precast concretes on site.
- CHEC was reminded to maintain proper housekeeping on site (CUE works area).
- CHEC was reminded to remove stagnant water on site (CUE works area).
- CHEC was reminded to properly maintain housekeeping on site (CUE).
- CHEC was reminded to properly maintain equipment (generator) on site (Box Culvert D).
- CHEC was reminded to maintain proper housekeeping on site (Building 043).
- CHEC was reminded to provide drip tray for chemical containers at CUE works area.
- CHEC was reminded to remove stagnant water accumulated at Building 037 and Bridge A7 area.
- CHEC was reminded to enhance watering for dusty operation at Bridge A7 area.

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

- No recommendation.

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

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- 5.3.1 Commencement of Contract No. HY/2013/03 took place on 10 April 2015 and the construction works of Contract No. HY/2013/03 commenced on 29 August 2015 (commencement of Contract No. HY/2013/06 took place on 14 August 2015 and the construction works of Contract No. HY/2013/06 commenced on 13 September 2016 within Contract No. HY/2013/03 works area). This is the 5th Quarterly EM&A Report summarising the findings of EM&A activities conducted under Contract No. HY/2013/03 from 01 September 2016 to 30 November 2016 (includes the findings of EM&A activities conducted under Contract No. HY/2013/06 within Contract No. HY/2013/03 works area from 13 September 2016 to 30 November 2016).
- 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 September 2016, October 2016 and November 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 01, 08, 15, 22 and 28 September 2016 (15, 22 and 28 September 2016 includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area), 06, 13, 27 and 28 October 2016 (site inspection of 21 October 2016 was cancelled due to hoisting of typhoon signal no. 8 on 21 October 2016 and re-scheduled to 28 October 2016), and 03, 10, 17 and 25 November 2016. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.
- 5.3.8 There were two complaints received in relation to the environmental impact during the reporting period. After investigation, it was found that these two complaints were not related to the Contract.
- 5.3.9 There were no notifications of summons or prosecutions received during the reporting period.

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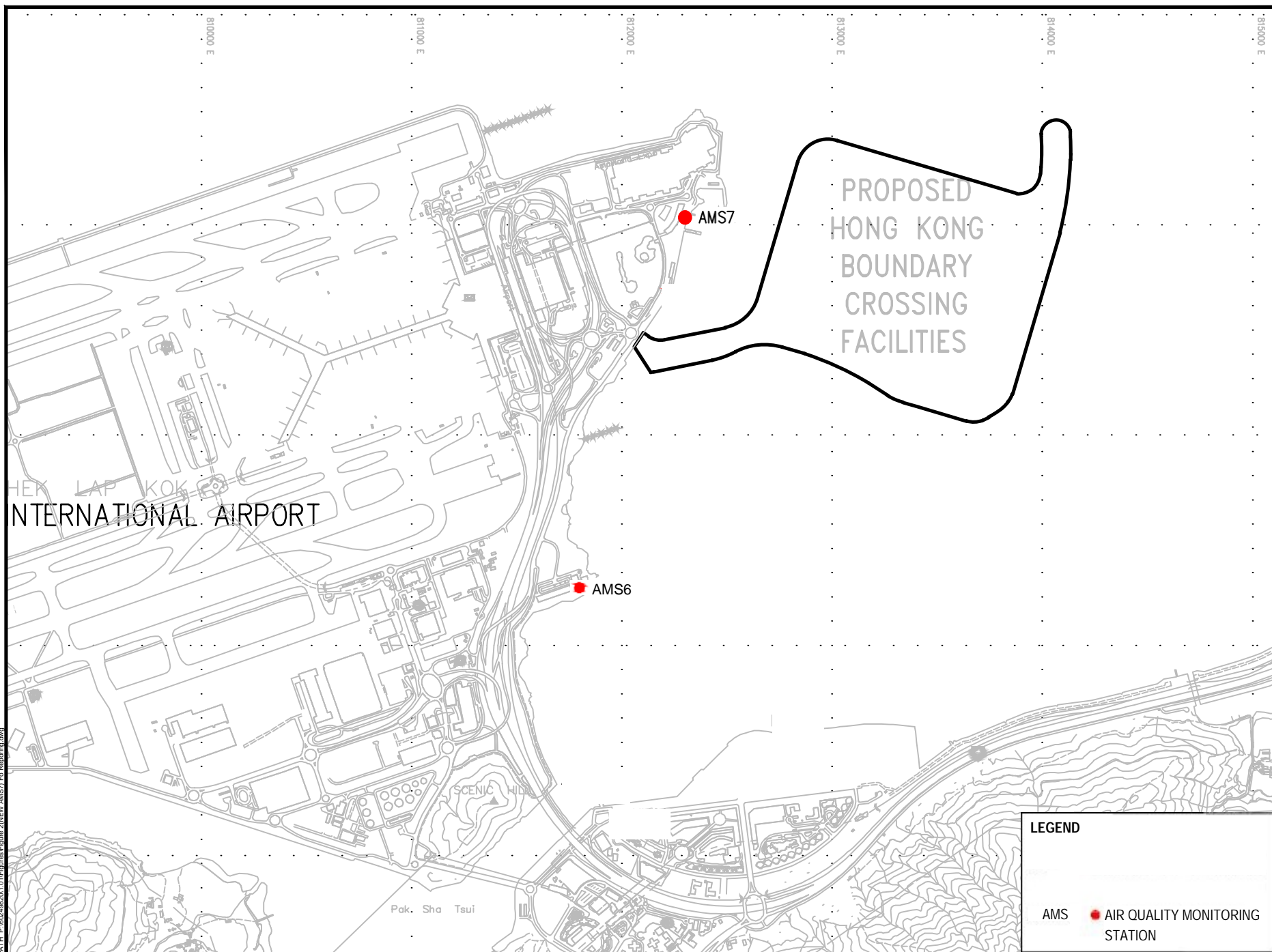
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Figure 1

Air Quality Monitoring Stations



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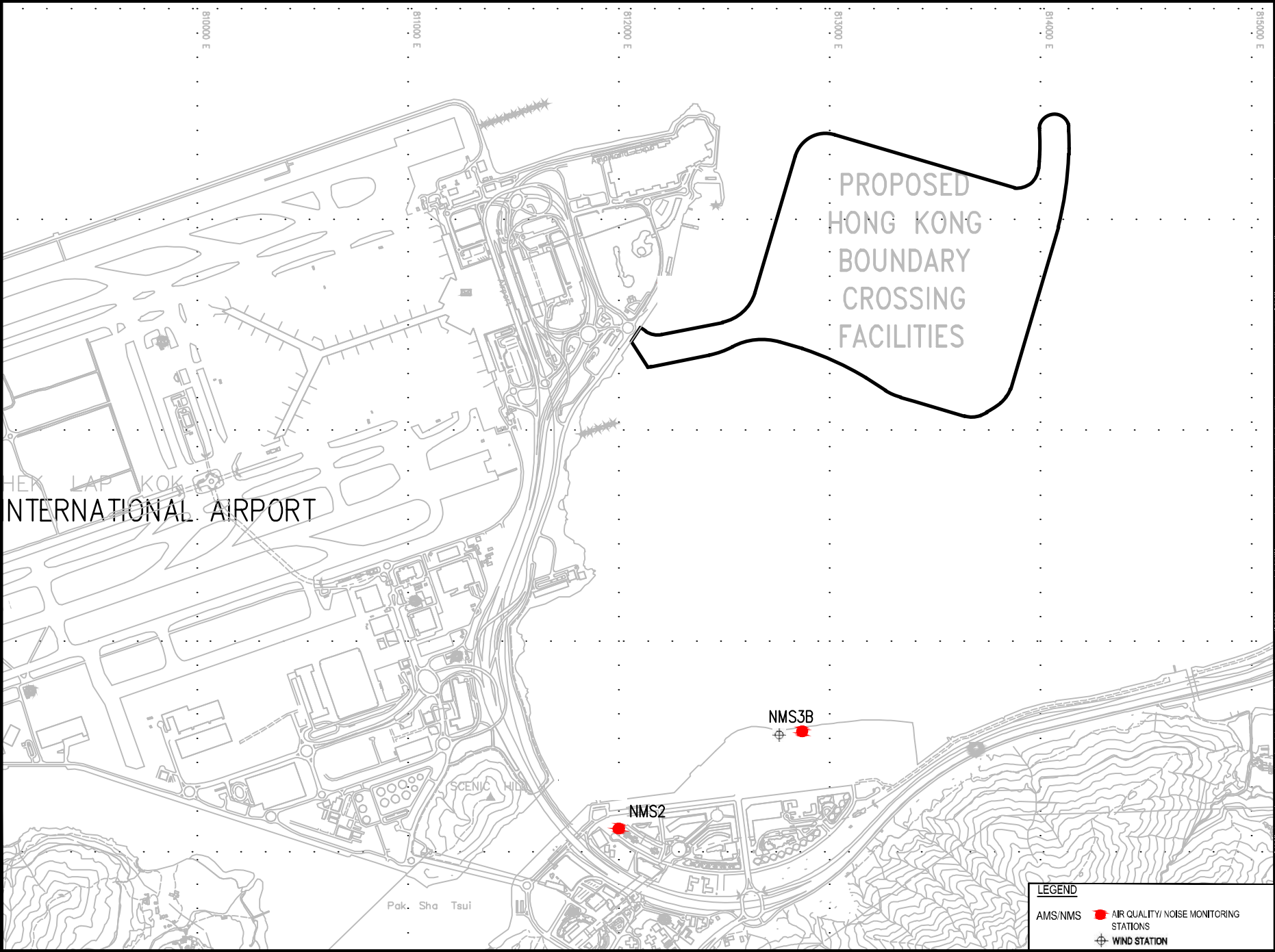
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Figure 2

Noise Monitoring Stations



LEGEND

| | |
|---------|--|
| AMS/NMS | ■ AIR QUALITY/ NOISE MONITORING STATIONS |
| | ⊕ WIND STATION |

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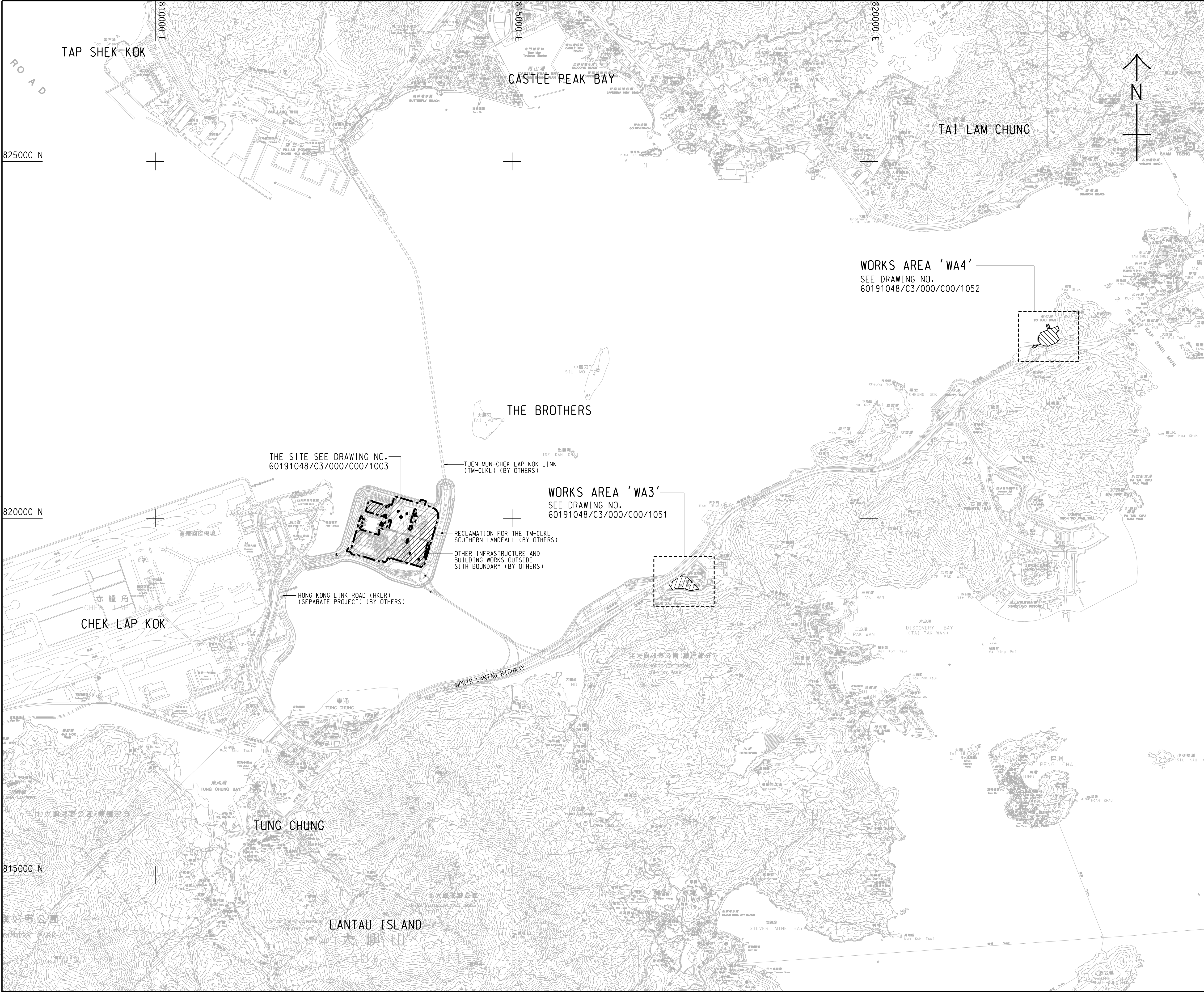
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The logo for MaterialLab, featuring the word "MaterialLab" in a bold, sans-serif font. The "Material" part is in a lighter weight, and the "Lab" part is in a bolder weight. The logo is set against a background of two horizontal black bars, one above and one below the text.

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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 MILLIMETER AND CHAINAGE ARE IN METRES UNLESS OTHERWISE SHOWN.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. 60191048/C3/000/C00/1051 TO 1053.

LEGEND:

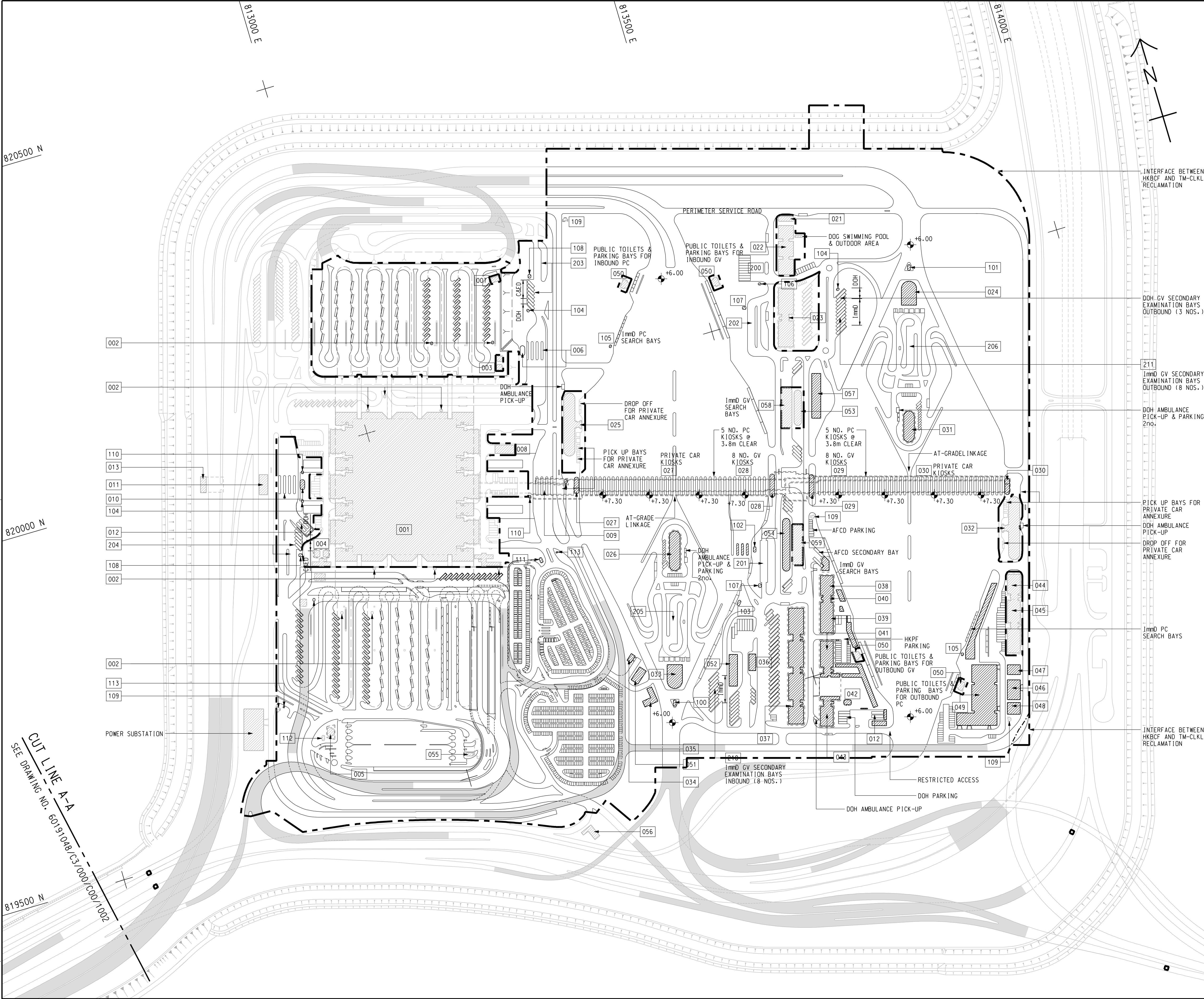
- SITE BOUNDARY
- ▨ WORKS AREA

| | | | |
|------------------|-------------------|----------|----------|
| - TENDER DRAWING | | BWCW SCI | MAR. 14 |
| REV. | DESCRIPTION | DATE | DATE |
| 01 | ISSUED FOR TENDER | 01/03/14 | 01/03/14 |

HIGHWAYS DEPARTMENT
路政署
香港大橋工程管理局
Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office
HONG KONG-ZHUHAI-MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
VEHICLE CLEARANCE PLAZAS AND
ANCILLARY BUILDINGS AND FACILITIES

SITE LOCATION PLAN

| | | | |
|----------------------------------|--------------|----------------------|-------------------------|
| AECOM | | Aedas | |
| Rogers Stirk Harbour + Partners | | | |
| BURO HAPPOLD | ATKINS | ADI | |
| | | | |
| DRG.NO. 60191048/C3/000/C00/1000 | | | |
| 圖紙編號 | | | |
| DESIGNED BY 設計 | BWCW | CONTRACT NO. 合約編號 | P. Dir. APPROVED 批准人 |
| | | HY/2013/03 | TKH <i>WT</i> |
| DRAWN BY 繪圖 | WSY | STATUS 階段 | |
| SCALE 比例 | A1 1 : 25000 | | |
| DIMENSIONS ARE IN 尺寸單位 | | © COPYRIGHT RESERVED | |
| METRES | | 版 權 所 有 | |



NOTE :

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH
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LEGEND:

- SITE BOUNDARY
- VIADUCT
- BUILDING/FACILITIES

| | | |
|------|----------------|---------|
| REV. | DESCRIPTION | DATE |
| 01 | TENDER DRAWING | MAR. 14 |

HONG KONG-ZHUHAI-MACAO BRIDGE
HONG KONG-BORDER CROSSING FACILITIES
VEHICLE CLEARANCE PLAZAS AND
ANCILLARY BUILDINGS AND FACILITIES

Figure 1- 1
Current Layout Plan

Rogers Stirk Harbour + Partners
BURO HAPPOLD ATKINS ADI

DRG.NO. 60191048/C3/000/C00/1001
圖紙編號

| | | |
|---------------------------|----------------------|-------------------------|
| DESIGNED BY 設計 | CONTRACT NO. 合約編號 | P. DIR. APPROVED 批准人 |
| BWCW | HY/2013/03 | TKH |
| DRAWN BY 繪圖 | STATUS 階段 | |
| WSY | | |
| SCALE 比例 | | |
| A1 1 : 2500 | | |
| DIMENSIONS ARE IN 尺寸單位 | | |
| METRES | | |

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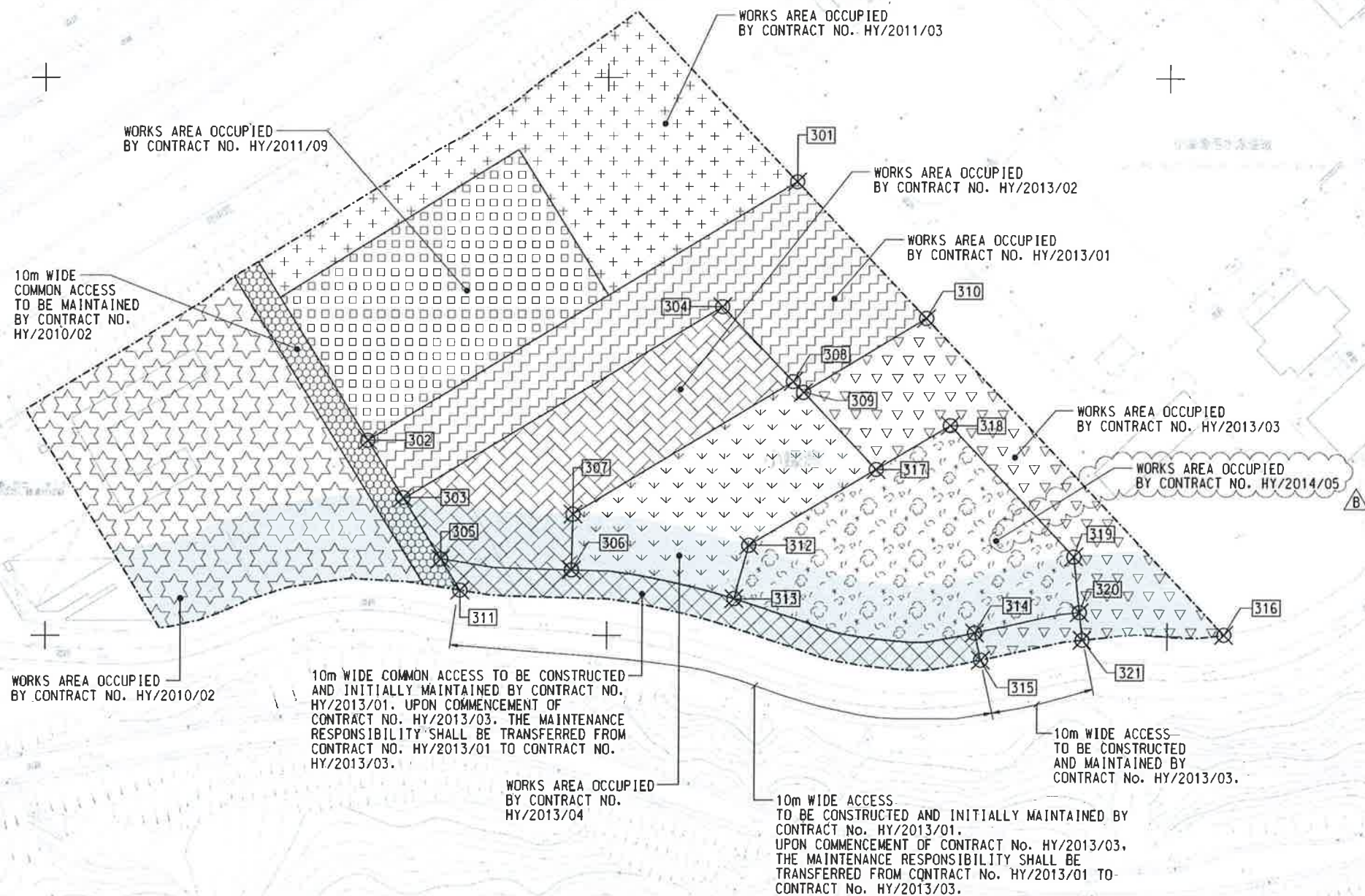
Plot File by : 2014/3/26 WANGSY

CUT LINE A-A
SEE DRAWING NO. 60191048/C3/000/C00/1002

SETTING OUT POINT

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|-------|------------|------------|
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| 302 | 817314.741 | 819069.828 |
| 303 | 817327.338 | 819049.295 |
| 304 | 817440.865 | 819117.811 |
| 305 | 817340.825 | 819027.314 |
| 306 | 817387.350 | 819023.403 |
| 307 | 817387.861 | 819043.396 |
| 308 | 817466.133 | 819091.047 |
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| 314 | 817531.154 | 819001.065 |
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| 319 | 817566.404 | 819028.472 |
| 320 | 817568.507 | 819008.526 |
| 321 | 817569.551 | 818998.621 |

NORTH LANTAU HIGHWAY



WORKS AREA
WA3

TUNG CHUNG

LOCATION PLAN
SCALE 1 : 25000

NOTES:

- COORDINATES ARE RELATED TO HONG KONG METRIC GRID (1980).
- DIMENSIONS ARE IN MILLIMETER AND CHAINAGE ARE IN METRES UNLESS OTHERWISE SHOWN.

LEGEND:

| WORKS AREA BOUNDARY | |
|--|--------------------|
| PORTION 3.1 | [Hatched pattern] |
| PORTION 3.2 | [Hatched pattern] |
| PORTION 3.3 | [Hatched pattern] |
| PORTION 3.4 | [Hatched pattern] |
| PORTION 3.5 | [Hatched pattern] |
| PORTION 3.6 | [Hatched pattern] |
| PORTION 3.7 | [Hatched pattern] |
| PORTION 3.8 | [Hatched pattern] |
| PORTION 3.9 | [Hatched pattern] |
| PORTION 3.10 | [Hatched pattern] |
| NON-BUILDING AREA 8200m ² (WHOLE) | [Blue shaded area] |

FOR CONSTRUCTION

| | | | |
|------|-----------------------|----------|---------|
| C | WORKING DRAWING | BWCW SCI | MAY. 15 |
| B | TENDER ADDENDUM NO. 2 | BWCW SCI | MAY. 14 |
| A | TENDER ADDENDUM NO. 1 | BWCW SCI | APR. 14 |
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| REV. | DESCRIPTION | REV. | DATE |

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WORKS AREA WA3

AECOM **Aedas**
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圖紙編號

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|----------------------|-----------------------------|-------------------------|
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准經核准
准經核准
准經核准

SETTING OUT POINT

| POINT | EASTING | NORTHING |
|-------|------------|------------|
| 401 | 822488.151 | 822632.315 |
| 402 | 822640.593 | 822689.415 |
| 403 | 822515.608 | 822559.848 |
| 404 | 822610.940 | 822599.642 |
| 405 | 822629.428 | 822607.359 |
| 406 | 822526.988 | 822529.813 |
| 407 | 822618.348 | 822567.950 |
| 408 | 822542.232 | 822489.581 |
| 409 | 822584.983 | 822507.426 |
| 410 | 822606.866 | 822516.561 |
| 411 | 822560.278 | 822441.956 |
| 412 | 822602.949 | 822460.010 |
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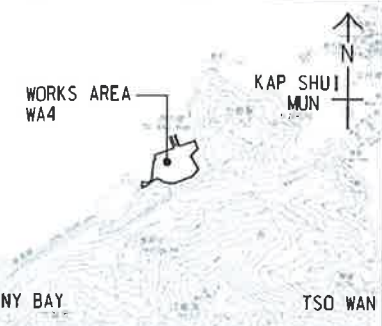
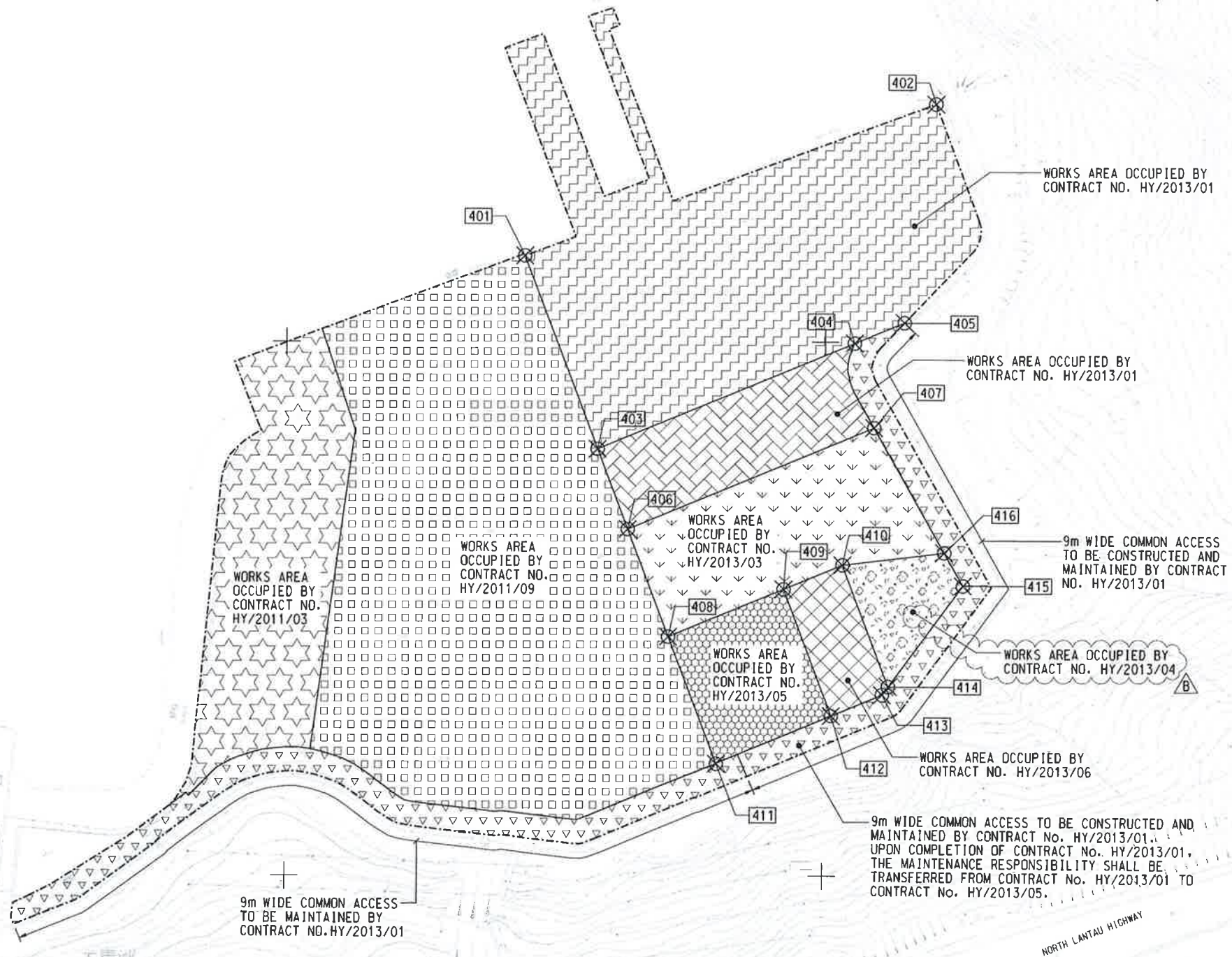
822400 N

Plot File by 2014/5/5 WANGSY

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822400 E

822600 E



LOCATION PLAN
SCALE 1 : 25000

- NOTES:**
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LEGEND:

| | |
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| | WORKS AREA BOUNDARY |
| | PORTION 4.1 |
| | PORTION 4.2 |
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| | PORTION 4.6 |
| | PORTION 4.7 |
| | PORTION 4.8 |
| | PORTION 4.9 |

CONTROLLED DOCUMENT

FOR CONSTRUCTION

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| C | WORKING DRAWING | BWCW SCI MAY.15 |
| B | TENDER ADDENDUM NO. 2 | BWCW SCI MAY.14 |
| A | TENDER ADDENDUM NO. 1 | BWCW SCI APR.14 |
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HONG KONG - ZHUHAI - MACAO BRIDGE HONG KONG PROJECT MANAGEMENT OFFICE

WORKS AREA WA4

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The logo for MaterialLab, featuring the word "MaterialLab" in a bold, sans-serif font. The "Material" part is in a lighter weight, and the "Lab" part is in a bolder weight. The logo is set against a background of two horizontal black bars, one above and one below the text.

Report No.: 0165/15/ED/0653

Appendix B

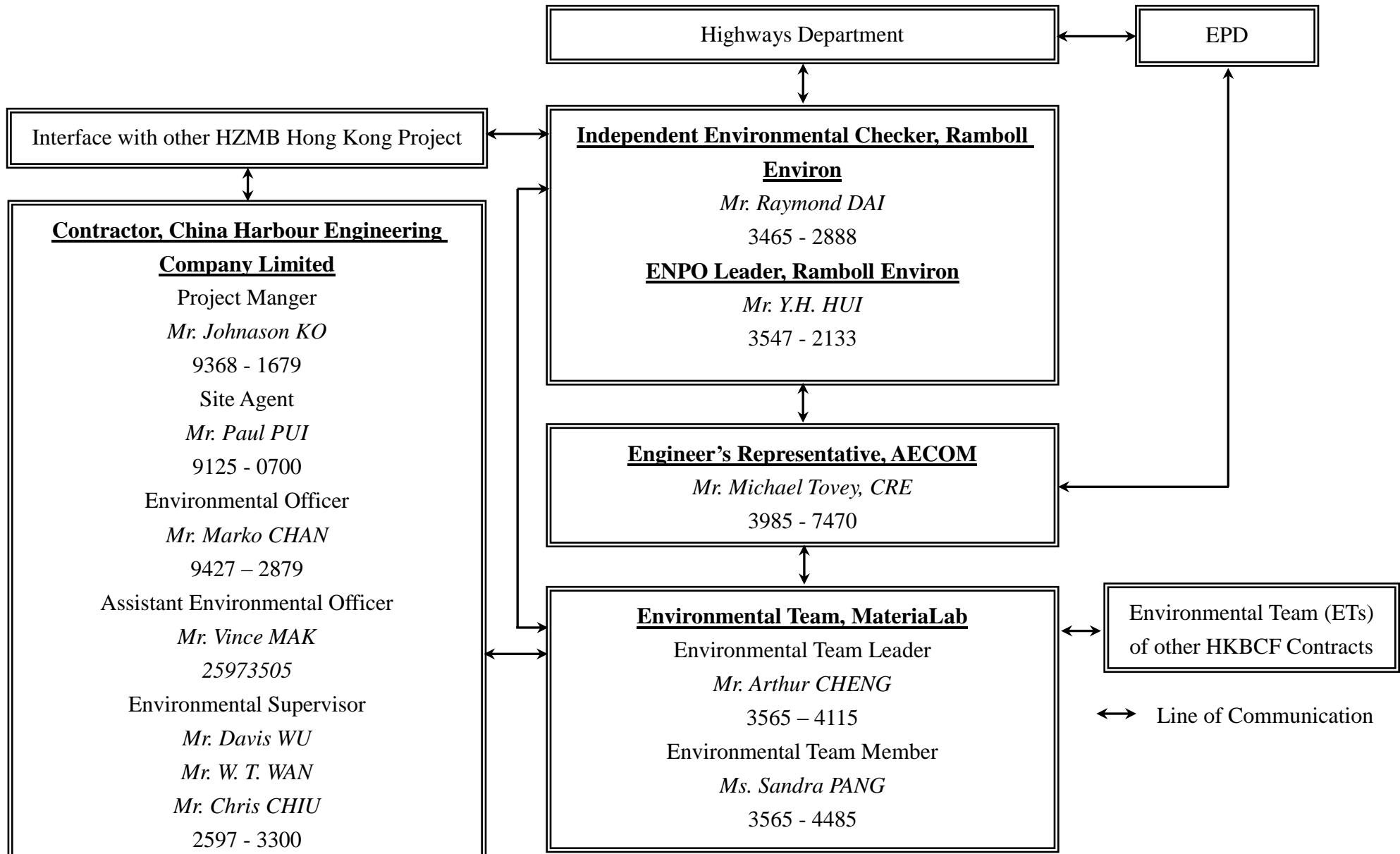
Project Organization for Environmental Works

CHINA HARBOUR ENGINEERING COMPANY LIMITED



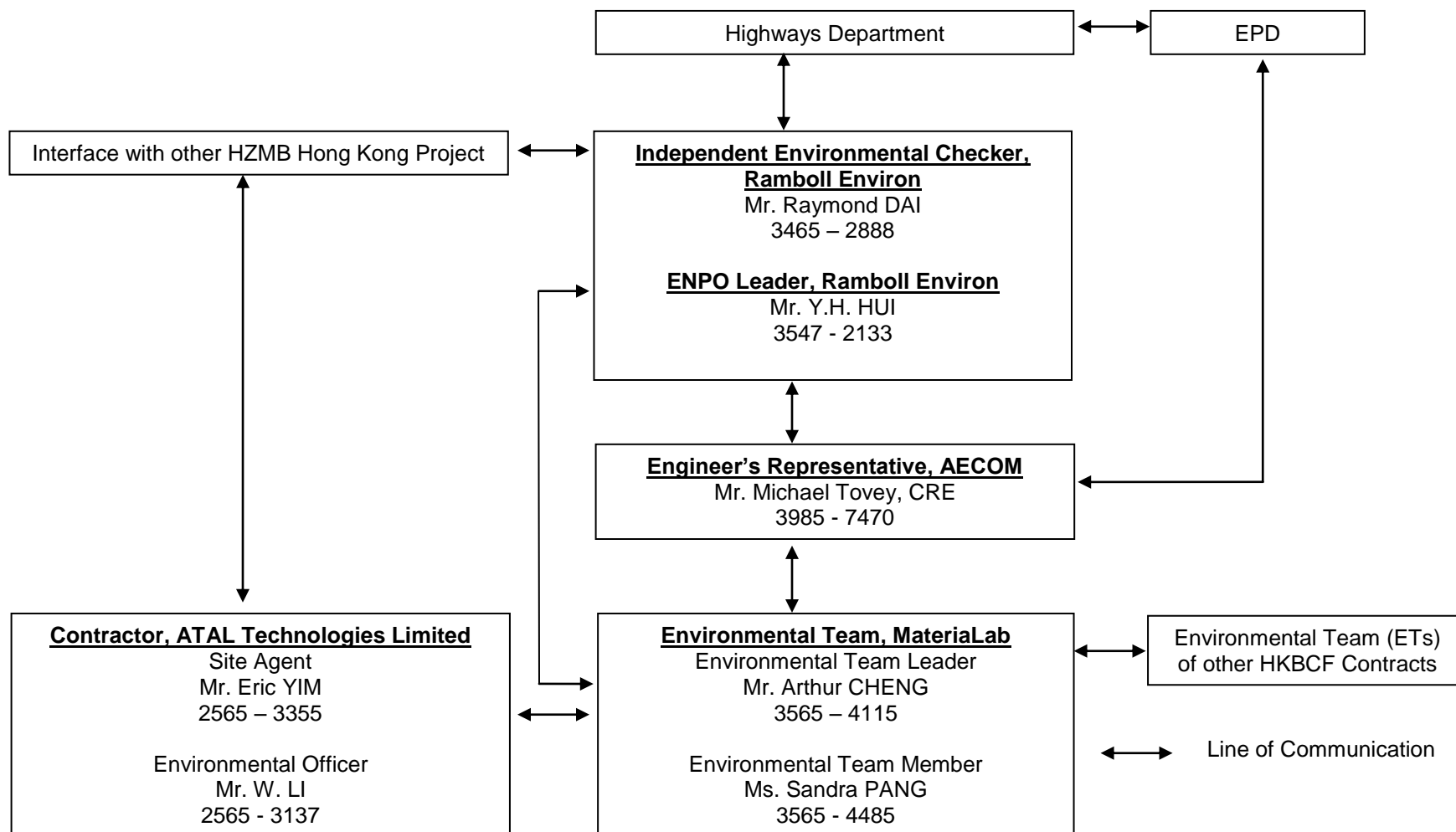
Contract No. HY/2013/03 Hong Kong-Zhuhai-Macao Bridge, Hong Kong Boundary Crossing
Facilities – Vehicle Clearance Plazas and Ancillary Buildings and Facilities

Projects Organization for Environmental Works



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

Projects Organization for Environmental Works



MATERIALAB CONSULTANTS LIMITED

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Report No.: 0165/15/ED/0653

Appendix C

Construction Programme

| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | 28-Dec-16 | | | | |
|--|--|---|--|--|--|--|
| Activity ID | Activity Name | 2016 | | | | 2017 |
| | | Sep | Oct | Nov | Dec | Jan |
| HKBCF - VCP & Ancillary Buildings and Facilities, DWP Rev. 3, DD 30 Sep. 16 | | | | | | |
| CONTRACT DATES | | | | | | |
| Key Dates | | | | | | |
| A1150 | KD15 Achievement of Stage 14 of the Works (548 days; 08 Oct. 16) | | | | | ◆ KD15 Achievement of Stage 14 of the Works (548 days; 08 Oct. 16) |
| Site Access & Possession | | | | | | |
| Possession of Portion of Site | | | | | | |
| A0010 | Possession of Portion A1 (<= 70 days) | ◆ Possession of Portion A1 (<= 70 days) | | | | |
| A0020 | Possession of Portion A2 (<= 75 days) | ◆ Possession of Portion A2 (<= 75 days) | | | | |
| A0030 | Possession of Portion B (<=100 days) | | ◆ Possession of Portion B (<=100 days) | | | |
| A0050 | Possession of Portion D (<=220 days) | | ◆ Possession of Portion D (<=220 days) | | | |
| A0060 | Possession of Portion E (<=160 days) | | ◆ Possession of Portion E (<=160 days) | | | |
| A0080 | Possession of Portion G (<=225 days) | | ◆ Possession of Portion G (<=225 days) | | | |
| A0090 | Possession of Portion H1 (<=273 days) | | ◆ Possession of Portion H1 (<=273 days) | | | |
| A0100 | Possession of Portion H2 (<=273 days) | | ◆ Possession of Portion H2 (<=273 days) | | | |
| A0110 | Possession of Portion J (<=320 days) | | ◆ Possession of Portion J (<=320 days) | | | |
| A0150 | Possession of Portion N (<=345 days) | | ◆ Possession of Portion N (<=345 days) | | | |
| A0160 | Possession of Portion P (<=502 days) | | ◆ Possession of Portion P (<=502 days) | | | |
| A0170 | Possession of Portion Q (<=500 days) | | ◆ Possession of Portion Q (<=500 days) | | | |
| Access to Locations of the Site | | | | | | |
| A0210 | Contract Date for Access to Location 1.1 (490 days) | | ◆ Contract Date for Access to Location 1.1 (490 days) | | | |
| A0220 | Contract Date for Access to Location 1.2 (405 days) | | ◆ Contract Date for Access to Location 1.2 (405 days) | | | |
| A0230 | Contract Date for Access to Location 1.3 (488 days) | | ◆ Contract Date for Access to Location 1.3 (488 days) | | | |
| A0240 | Contract Date for Access to Location 1.4 (488 days) | | ◆ Contract Date for Access to Location 1.4 (488 days) | | | |
| A0250 | Contract Date for Access to Location 1.5 (580 days) | | | ◆ Contract Date for Access to Location 1.5 (580 days) | | |
| A0280 | Contract Date for Access to Location 1.7A (610 days) | | | | ◆ Contract Date for Access to Location 1.7A (610 days) | |
| A0290 | Contract Date for Access to Location 1.7B (610 days) | | | | ◆ Contract Date for Access to Location 1.7B (610 days) | |
| A0300 | Contract Date for Access to Location 1.7C (610 days) | | | | ◆ Contract Date for Access to Location 1.7C (610 days) | |
| A0310 | Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days) | | ◆ Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days) | | | |
| A0320 | Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days) | | ◆ Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days) | | | |
| A0330 | Contract Date for Access to External Area for Contract HY/2013/01 for ELV System Installation (570 days) | | | ◆ Contract Date for Access to External Area for Contract HY/2013/01 for ELV System Installation (570 days) | | |
| A0340 | Contract Date for Access to External Area for Contract HY/2013/02 for ELV System Installation (560 days) | | | ◆ Contract Date for Access to External Area for Contract HY/2013/02 for ELV System Installation (560 days) | | |
| A0350 | Contract Date for Access to External Area for Contract HY/2013/04 ELV System Installation (560 days) | | | ◆ Contract Date for Access to External Area for Contract HY/2013/04 ELV System Installation (560 days) | | |
| PRELIMINARY | | | | | | |
| Precast Yard for Bridge Segement | | | | | | |
| A0630 | Segement Manufacture | | | | | |
| PORTION A1 | | | | | | |
| Portion A1 Structures | | | | | | |
| Bridge A9 | | | | | | |
| Bored Pile | | | | | | |
| SA9120 | Bored pile for A9 Bridge, 10 no. | | | | | |
| SA9140 | Pile testing | | | | | |
| Pile Cap | | | | | | |
| SA9210 | Cap - A905 | | | | | |
| SA9220 | Cap - P904 | | | | | |
| SA9230 | Cap - P903 | | | | | |

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 |
|-----------|---------------------------------|---------|----------|
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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | | | | 28-Dec-16 | |
|--|--|------|-----|-----|-----|-----------|--|
| Activity ID | Activity Name | 2016 | | | | 2017 | |
| | | Sep | Oct | Nov | Dec | Jan | |
| SA9240 | Cap - P902 | | | | | | |
| SA9250 | Cap - A901 | | | | | | |
| Pier & Abutment | | | | | | | |
| SA9310 | Abutment A905 | | | | | | |
| SA9320 | Pier P904 | | | | | | |
| SA9330 | Pier P903 | | | | | | |
| SA9340 | Pier P902 | | | | | | |
| Structure Deck | | | | | | | |
| SA9400 | Falsework for Deck A905 - P904 | | | | | | |
| Retaining Wall W8-1 | | | | | | | |
| SW8110 | Construction of Retaing Wall W8-1 (U-shape, 4 bays) | | | | | | |
| Retaining Wall W9-1 | | | | | | | |
| SW9110 | Construction of Retaining Wall W9-1 (U-shape, 4 bays) (+PL Test) | | | | | | |
| Box Culvert D | | | | | | | |
| Box Culvert D Construction | | | | | | | |
| SD0140 | Box Culvert D Construction (Stage 1, Bay 33 - 35) | | | | | | |
| SD0150 | Box Culvert D Construction (Stage 2, Bay 36 - 38) | | | | | | |
| SD0160 | Box Culvert D Construction (Stage 3, Bay 39 - 42) | | | | | | |
| SD0170 | Box Culvert D Construction (Stage 4, Bay 19 - 21 & 24 - 32) | | | | | | |
| SD0180 | Box Culvert D Backfilling | | | | | | |
| 047 - Fresh Water Pumping Station, Portion A1 & A2 | | | | | | | |
| A04715 | Removal of Surcharge | | | | | | |
| A04720 | Excavation + Blinding | | | | | | |
| A04730 | Pile Testing | | | | | | |
| A04740 | Water Tank Construction | | | | | | |
| 049 - Sewage Treatment Plant, Portion A1 & A2 | | | | | | | |
| A04945 | Removal of Surcharge | | | | | | |
| A04946 | Excavation to 0.0mPD/+4.9mPD | | | | | | |
| A04948 | Pile Testing | | | | | | |
| A04950 | Sheet Piling as ELS1 for Equalization Tanks | | | | | | |
| A04960 | Sheet Piling as ELS2 for Sludge Holding Tanks | | | | | | |
| A04970 | Sheet Piling as ELS3 for MBR Tanks | | | | | | |
| B04960 | ELS1 + Blinding for Equalization Tanks | | | | | | |
| B04970 | Constructing Base Slab for Equalization Tanks | | | | | | |
| B04980 | Backfilling + Removing 3rd Strut of ELS1 | | | | | | |
| B04990 | Constructing Wall Stem for Equalization Tanks | | | | | | |
| C04930 | ELS2 + Blinding for Equalization Tanks | | | | | | |
| C04940 | Constructing Base Slab of Equalization Tanks | | | | | | |
| C04950 | Backfilling + Removal Strut of ELS2 | | | | | | |
| C04960 | Constructing Wall Stem of Sludge Holding Tanks | | | | | | |
| D04910 | ELS3 w/struts + Blinding for MBR Tanks | | | | | | |
| D04920 | Constructing Base Slab for MBR Tanks | | | | | | |
| D04930 | Constructing Wall Stem for MBR Tanks | | | | | | |
| D04940 | Water-tightness Test for MBR Tanks | | | | | | |
| D04950 | Backfilling + Removal of ELS3 | | | | | | |
| Completion of Fire Services Installation and Equipment (FCD) | | | | | | | |
| F04950 | Provision of Approved Building Plans by the Engineer | | | | | | |
| Waterworks Ordinance (WSD) | | | | | | | |
| G04910 | Provision of Approval Letter and approved Drawings by the Engineer | | | | | | |
| G04920 | Submission of WWO46 - Part I & II (Inside Services) | | | | | | |

Actual Work

Remaining Work

CriticalMilestone

THREE MONTH ROLLING PROGRAMME

VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

Page 2 of 16

| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | 28-Dec-16 | | | | | |
|--|---|-------------------------------|---------------------------------|-----|---------|----------|------|
| Activity ID | Activity Name | 2016 | | | | | 2017 |
| | | Sep | Oct | Nov | Dec | Jan | |
| Portion A1 Buildings | | | | | | | |
| 012 - DOH Disinsection Area and Store Room 1, at Portion A1 | | | | | | | |
| A01250 | Finishing | | | | | | |
| A01260 | BS for Office Accomodation (Stage 8) | | | | | | |
| A01270 | BS + E&M for Office Accomodation (Stage 9) | | | | | | |
| A01280 | Other BS + E&M Installation | | | | | | |
| 036 - Weigh Station | | | | | | | |
| A03665 | External Wall Plaster & Tile | | | | | | |
| A03670 | BS for Office Accomodation (Stage 8) | | | | | | |
| A03680 | BS + E&M for Office Accomodation (Stage 9) | | | | | | |
| A03690 | Other BS + E&M Instaallation | | | | | | |
| B03620 | WWO 46 Part I & II Submission | | | | | | |
| 037 C&ED Tower Cum Inbound Cargo Examination Building (Portion A1 & B) | | | | | | | |
| A03738 | DDASubmission/Approval for Curtain Wall/Metal Roof/Alum. Cladding | | | | | | |
| A03740 | Steel Frame Structure Installation | | | | | | |
| A03742A | Mock-up Sample for Curtain Wall | | | | | | |
| A03742B | Mock-up Sample for Cladding | | | | | | |
| A03742C | Mock-up Sample for Mesh Screen Wall (SS41) & Balustrade | | | | | | |
| A03742D | Mock-up Sample for Painted Concrete Wall | | | | | | |
| A03742F | Mock-up Sample for External Wall Tiling | | | | | | |
| A03744 | Curtain Wall/Metal Roof/Aluminium Cladding Installation | | | | | | |
| A03746 | Blockwall Laying | | | | | | |
| A03748 | Wall/Ceiling Plastering/Tiling | | | | | | |
| A03752 | Floor Screed/Tiling | | | | | | |
| A03760 | BS for Office Accomodation (Stage 8) | | | | | | |
| A03790 | Other BS + E&M Installation | | | | | | |
| B03720 | WWO 46 Part I & II Submission | | | | | | |
| 041 Fire Station Cum Ambulance Depot | | | | | | | |
| A04105 | Excavation + Blinding | | | | | | |
| A04110 | Substructure | | | | | | |
| A04120 | Super Structure, G/F to 1/F | | | | | | |
| A04122 | Super Structure, 1/F to 2/F (incl. parapet wall and planter wall) | | | | | | |
| A04124 | DDASubmission/Approval for Cladding & Curtain Wall | | | | | | |
| A04126 | Cladding & Curtain Wall Installation (incl. steel & metal works) | | | | | | |
| B04120 | WWO 46 Part I & II Submission | | | | | | |
| 042 Drill Tower | | | | | | | |
| A04250 | Super Structure | | | | | | |
| A04260 | Finishing | | | | | | |
| A04270 | BS for Office Accomodation (Stage 8) | | | | | | |
| A04280 | BS + E&M for Office Accomodation (Stage 9) | | | | | | |
| A04290 | Other BS + E&M Installation | | | | | | |
| 043 DOH Office + Store Room | | | | | | | |
| A04330 | Super Structure | | | | | | |
| A04340 | Water Tanks for F.S./Sprinkler Pump Room | | | | | | |
| A04360 | DDASubmission for Cladding & Curtain Wall | | | | | | |
| A04380 | BS for Office Accomodation (Stage 8) | | | | | | |
| B04310 | Other BS + E&M Installation | | | | | | |
| B04330 | Stainless Steel Mesh Installation | | | | | | |
| B04340 | Metal Windows/Louvres/Doors/Railing etc. installation | | | | | | |
| B04350 | Blockworks | | | | | | |
| <div><div>Actual Work</div><div>Remaining Work</div><div>Critical</div><div>Milestone</div></div> | | THREE MONTH ROLLING PROGRAMME | | | | | |
| VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES | | Page 3 of 16 | | | | | |
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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | 28-Dec-16 | | | | |
|--|--|------|-----------|-----|-----|-----|------|
| Activity ID | Activity Name | 2016 | | | | | 2017 |
| | | Sep | Oct | Nov | Dec | Jan | |
| B04360 | Wall Plastering/Tiling | | | | | | |
| C04310 | C/S Wall Plastering | | | | | | |
| C04340 | WWO 46 Part I & II Submission | | | | | | |
| 052 - Transforms (Zone 4) | | | | | | | |
| A05235 | Energisation by CLP | | | | | | |
| A05240 | BS + E&M Installation (KD9) | | | | | | |
| A05250 | Ceiling/Wall Painting Finish & Floor Screed | | | | | | |
| A05260 | External Wall Plaster & Wall (KD10) | | | | | | |
| Completion of Fire Services Installation and Equipment (FCD) | | | | | | | |
| F05240 | Provision of Approved Building Plans by the Engineer | | | | | | |
| Waterworks Ordinance (WSD) | | | | | | | |
| G05210 | Provision of Approval Letter and approved Drawings by the Engineer | | | | | | |
| 105 IMMD Guard Booth, Portion A1 (Mock Up) | | | | | | | |
| B10500 | Shop Drawings & Material Submission | | | | | | |
| Facade Envelop Structure Installation | | | | | | | |
| B10580 | Shop Drawing Submission and Approval | | | | | | |
| B10590 | Fabrication of F/C System | | | | | | |
| External Works for Portion A1 | | | | | | | |
| Drainage Works | | | | | | | |
| A1S010 | Initial Survey | | | | | | |
| ED0020 | Drainage Works (773m & 34MHs), Stage 1 (Western) | | | | | | |
| ED0030 | Sewerage (300m & 9MHs), Stage 1 (Western) | | | | | | |
| ED5590 | Drainage Works (774m & 35MHs), Stage 2 (Middle) | | | | | | |
| ED5600 | Sewerage (300m & 9MHs), Stage 2 (Middle) | | | | | | |
| Waterpipe Laying | | | | | | | |
| EW5010 | Fresh Water Main Laying (700 m), Stage 1 (Western) | | | | | | |
| EW6010 | Flushing Water Main Laying (322 m), Stage 1 (Western) | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | |
| EU5260 | Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV | | | | | | |
| PORTION A2 | | | | | | | |
| Portion A2 Structures | | | | | | | |
| 048 - Reclaimed Water Pumping Station, Portion A2 | | | | | | | |
| A04825 | Removal of surcharge | | | | | | |
| A04830 | Sheet Piling as ELS for Basement 1 | | | | | | |
| A04840 | Pile testing | | | | | | |
| A04850 | Excavation + Blinding for Basement 1 | | | | | | |
| A04860 | Basement 1 Construction | | | | | | |
| Retaining Wall W9-2 | | | | | | | |
| SW9210 | Construction of Retaining Wall W9-2 (U-shape, 6 bay) | | | | | | |
| External Works for Portion A2 | | | | | | | |
| Drainage Works | | | | | | | |
| A2S010 | Initial Survey | | | | | | |
| PORTION B | | | | | | | |
| Portion B Structures | | | | | | | |
| Retaining Wall W7-2 | | | | | | | |
| S70870 | Construction of Retaining Wall W7-2 (L-shape, 1 bays) | | | | | | |
| Retaining Wall W6-1 | | | | | | | |
| S62050 | Construction of Retaining Wall W6-1 (L-shape, 4 bays) | | | | | | |
| Bay 4 - 19 of CUE/Staff Subway | | | | | | | |

Actual Work

Remaining Work

Critical

Milestone

THREE MONTH ROLLING PROGRAMME

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 | | 28-Dec-16 | | | | |
|--|--|-----------|-----|-----|-----|------|
| Activity ID | Activity Name | 2016 | | | | 2017 |
| | | Sep | Oct | Nov | Dec | Jan |
| C02760 | Internal Finishes & Cable Containment (KD1) | | | | | |
| C02770 | BS + E&M Installation for ACVSS (Stage 1) | | | | | |
| Bay 20 - 24 of CUE/Staff Subway | | | | | | |
| C02820 | Bay 20 - 24 Construction - Base Slab | | | | | |
| C02830 | Bay 20 - 24 Construction - Wall + Top Slab | | | | | |
| C02840 | Internal Finishes & Cable Containment (KD1) | | | | | |
| C02850 | BS + E&M Installation for ACVSS (Stage 1) | | | | | |
| C02860 | Chilled Water Pipe (CUE) installation | | | | | |
| Bay 25 - 29 of CUE/Staff Subway | | | | | | |
| C02920 | Bay 25 -29 Construction - Base Slab | | | | | |
| C02930 | Bay 25 - 29 Construction - Wall + Top Slab | | | | | |
| C02960 | Internal Finishes & Cable Containment (KD1) | | | | | |
| C02970 | BS + E&M Installation for ACVSS (KD1) | | | | | |
| C02980 | Chilled Water Pipe (CUE) installation | | | | | |
| Portion B Buildings | | | | | | |
| 027/028 Inbound Kiosks & 029 Outbound Kiosks | | | | | | |
| A02700 | Submission & Approval for Steel Works | | | | | |
| A02710 | Pre-fabrication for the Steel Kiosks | | | | | |
| A02715 | Mock up for Steel Kiosks | | | | | |
| A02718 | Mock up for Goods Vehicle Canopy | | | | | |
| A02720 | Super structure | | | | | |
| A02730 | Construction of Subway Entrance | | | | | |
| A02740 | Construction of Subway Toilets | | | | | |
| A02780 | BS + E&M for AVCSS Works (KD18A) | | | | | |
| 027/028 Inbound Kiosks & 029 Outbound Kiosks, Section IX, Subject to Excision | | | | | | |
| B02730 | Submission & Approval for Steel Works | | | | | |
| B02740 | Pre-fabrication for the Steel Kiosks | | | | | |
| B02750 | Super structure | | | | | |
| B02760 | BS + E&M for AVCSS Works (KD18C) | | | | | |
| 026 Inbound IMMDD and DOH Secondary Screening Building | | | | | | |
| A02630 | Super Structure | | | | | |
| A02640 | Finishing | | | | | |
| A02650 | Contractor's Design Submission for SS Mesh Screen & Approval | | | | | |
| A02660 | Contractor's Design Submission for Aluminium Cladding & Approval | | | | | |
| A02670 | BS for Office Accomodation (Stage 8) | | | | | |
| A02690 | Other BS + E&M Installation | | | | | |
| B02610 | Lift Installation | | | | | |
| 054 Inbound Fixed X-ray Building | | | | | | |
| A05455 | Superstructure, 1/F to 2/F (incl. parapet wall and planter wall) | | | | | |
| A05460 | Finishing | | | | | |
| A05465 | BS + E&M for Tx Room to CLP (Stage 5) | | | | | |
| A05467 | Energisation by CLP | | | | | |
| A05470 | BS for Office Accomodation (Stage 8) | | | | | |
| A05490 | Other BS + E&M Installation | | | | | |
| B05410 | Lift Installation | | | | | |
| Completion of Fire Services Installation and Equipment (FCD) | | | | | | |
| F05440 | Provision of Approved Building Plans by the Engineer | | | | | |
| Waterworks Ordinance (WSD) | | | | | | |
| G05410 | Provision of Approval Letter and approved Drawings by the Engineer | | | | | |
| 038 AFCD Office | | | | | | |

Actual Work

Remaining Work

Critical

Milestone

THREE MONTH ROLLING PROGRAMME

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 | | | 28-Dec-16 | | | | | | |
|--|--------|--|-----------|------|-----|-----|-----|-----|------|
| Activity ID | | Activity Name | | 2016 | | | | | 2017 |
| | | | | Sep | Oct | Nov | Dec | Jan | |
| | A03810 | Excavation + Blinding | | | | | | | |
| | A03820 | Substructure | | | | | | | |
| 039 Police Main Building | | | | | | | | | |
| | A03910 | Excavation + Blinding | | | | | | | |
| | A03920 | Substructure | | | | | | | |
| | A03930 | Super Structure; G/F to 1/F | | | | | | | |
| 040 Incident Control Tower | | | | | | | | | |
| | A04010 | Excavation + Blinding | | | | | | | |
| | A04020 | Substructure | | | | | | | |
| | A04040 | Super Structure | | | | | | | |
| Facade Cladding System | | | | | | | | | |
| | B04010 | Shop Drawing Submission and Approval | | | | | | | |
| | B04020 | Fabrication of F/C System | | | | | | | |
| Glass Wall | | | | | | | | | |
| | C04010 | Shop Drawing Submission and Approval | | | | | | | |
| | C04020 | Fabrication of Glass Wall | | | | | | | |
| 102 HKPF UVSS Monitor Room | | | | | | | | | |
| | A10205 | Excavation + Blinding | | | | | | | |
| | A10210 | Substructure (Raft Foundation) | | | | | | | |
| | A10220 | Super Structure | | | | | | | |
| Metal Canopy and Roof Installation | | | | | | | | | |
| | B10210 | Shop Drawing Submission and Approval | | | | | | | |
| | B10212 | Fabrication of MC/R | | | | | | | |
| 103 Police Inspection Post | | | | | | | | | |
| | A10310 | Excavation + Blinding | | | | | | | |
| | A10330 | Raft Foundation | | | | | | | |
| | A10340 | Super Structure (Roof Slabs) | | | | | | | |
| | A10350 | Finishing (False Ceiling) (KD9) | | | | | | | |
| | A10360 | BS for Office Accomodation (Stage 8) | | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | | | |
| | B10310 | Shop Drawing Submission and Approval | | | | | | | |
| 057 Transformers (Zone 2) | | | | | | | | | |
| | A05730 | Supersturcture | | | | | | | |
| Completion of Fire Services Installation and Equipment (FCD) | | | | | | | | | |
| | F05740 | Provision of Approved Building Plans by the Engineer | | | | | | | |
| Waterworks Ordinance (WSD) | | | | | | | | | |
| | G05710 | Provision of Approval Letter and approved Drawings by the Engineer | | | | | | | |
| 107 - C&ED Mobile X-ray Operation Office (Cargo), Portion B | | | | | | | | | |
| | C10710 | Excavation + Blinding | | | | | | | |
| | C10720 | Raft Foundation | | | | | | | |
| | C10730 | Superstructure (Roof Slabs) | | | | | | | |
| 113 - Field Kiosk for Access Control, Portion B | | | | | | | | | |
| | B11310 | Excavation + Blinding | | | | | | | |
| | B11320 | Raft Foundation | | | | | | | |
| | B11330 | Superstructure (Roof Beams & Slabs) | | | | | | | |
| External Works for Portion B | | | | | | | | | |
| Works in Location 1.7A | | | | | | | | | |
| | BB1480 | ELV Works & T&C in Location 1.7A | | | | | | | |
| Works in Location 1.7B | | | | | | | | | |
| | BB1490 | ELV Works & T&C in Location 1.7B | | | | | | | |

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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| | Pile Cap | | | | | | | |
| | SA3220 | Cap - P304a/b | | | | | | |
| | SA3230 | Cap - P302 | | | | | | |
| | SA3240 | Cap - P303 | | | | | | |
| | SA3250 | Cap - A305 | | | | | | |
| | Pier & Abutment | | | | | | | |
| | SA3320 | Pier P304a, P304b | | | | | | |
| | SA3330 | Abutment A305 | | | | | | |
| | SA3340 | Pier P302 | | | | | | |
| | SA3350 | Pier P303 | | | | | | |
| | Structure Deck | | | | | | | |
| | SA3410 | Falsework for Deck P301 - P302 | | | | | | |
| | SA3420 | Deck on P301 - P302 + Stressing | | | | | | |
| | SA3430 | Falsework for Deck P302 - P303 | | | | | | |
| | Bridge A4 | | | | | | | |
| | Bored Pile | | | | | | | |
| | SA4130 | Pile Testing | | | | | | |
| | Pile Cap | | | | | | | |
| | SA4210 | Cap - P401 | | | | | | |
| SA4220 | Cap - P402 | | | | | | | |
| Pier & Abutment | | | | | | | | |
| SA4310 | Pier P401 | | | | | | | |
| SA4320 | Pier P402 | | | | | | | |
| Structure Deck | | | | | | | | |
| SA4410 | Falsework for Deck P502b, P401 | | | | | | | |
| Bridge A5 | | | | | | | | |
| Bored Pile | | | | | | | | |
| SA5150 | Pile Testing for A503 & P506 | | | | | | | |
| SA5160 | Pile Testing for A501 & P502a/b, P507 | | | | | | | |
| Pile Cap | | | | | | | | |
| SA5210 | Cap - P504 | | | | | | | |
| SA5220 | Cap - P505 | | | | | | | |
| SA5230 | Cap - P503 | | | | | | | |
| SA5240 | Cap - P506 | | | | | | | |
| SA5250 | Cap - A501 | | | | | | | |
| SA5260 | Cap - P502a/b | | | | | | | |
| SA5270 | Cap - P507 | | | | | | | |
| Pier & Abutment | | | | | | | | |
| SA5310 | Pier P504 | | | | | | | |
| SA5320 | Pier P505 | | | | | | | |
| SA5330 | Pier P503 | | | | | | | |
| SA5340 | Pier P506 | | | | | | | |
| SA5350 | Pier P507 | | | | | | | |
| SA5360 | Pier P502a/b | | | | | | | |
| SA5370 | Abutment A501 | | | | | | | |
| Structure Deck | | | | | | | | |
| SA5410 | Falsework for Deck P504 - P505 | | | | | | | |
| SA5420 | Deck on P504, P505 + Stressing | | | | | | | |
| Bridge A6 | | | | | | | | |
| Pile Cap | | | | | | | | |

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| | | | | Sep | Oct | Nov | Dec | Jan | |
| | SA6270 | Cap - A607/711 | | | | | | | |
| | Pier & Abutment | | | | | | | | |
| | SA6330 | Pier P603 | | | | | | | |
| | SA6370 | Abutment A607 | | | | | | | |
| | Structure Deck | | | | | | | | |
| | SA6400 | Falsework for Deck P601, P602 | | | | | | | |
| | SA6410 | Deck on P601, P602 + Stressing | | | | | | | |
| | SA6420 | Falsework for Deck P602, P603 | | | | | | | |
| | SA6430 | Deck on P602, P603 + Stressing | | | | | | | |
| | Bridge A7a, A7b, A7c | | | | | | | | |
| | Bored Pile | | | | | | | | |
| | SA7160 | Bore Piling for A701, P702 - P705, 10 Nr. | | | | | | | |
| | SA7230 | Pile Testing for A701, P702, P703 | | | | | | | |
| | Pile Cap | | | | | | | | |
| | SA7340 | Cap for P704 | | | | | | | |
| | SA7350 | Cap for P705 | | | | | | | |
| | SA7360 | Cap for P702 | | | | | | | |
| | SA7370 | Cap for P703 | | | | | | | |
| | SA7380 | Cap for A701 | | | | | | | |
| | Pier & Abutment | | | | | | | | |
| | SA7540 | Pier P704 | | | | | | | |
| | SA7550 | Pier P705 | | | | | | | |
| | SA7560 | Pier P702 | | | | | | | |
| | SA7570 | Pier P703 | | | | | | | |
| | SA7620 | Pier P710 | | | | | | | |
| | SA7650 | Abutment A711 | | | | | | | |
| | Structure Deck | | | | | | | | |
| | SA7710 | Falsework for Deck P706, P707, P712 (A7b) | | | | | | | |
| | SA7720 | Deck on P706, P707 & P712 (Bridge A7b) + Stressing | | | | | | | |
| | SA7730 | Falsework for Deck P705 - P706 | | | | | | | |
| SA7740 | Deck on P705 & P706 (Bridge A7a) + Stressing | | | | | | | | |
| SA7750 | Falsework for Deck P704, P705 | | | | | | | | |
| SA7850 | Falsework for Deck P707, P708 (A7c) | | | | | | | | |
| SA7860 | Deck on P707, P708 (Bridge A7c) + Stressing | | | | | | | | |
| SA7940 | Parapet for Bridge A7b (8 pour) & E&M Works | | | | | | | | |
| Bridge A8 | | | | | | | | | |
| Pile Cap | | | | | | | | | |
| SA8210 | Cap - Abutment A804 | | | | | | | | |
| SA8220 | Cap for P802 | | | | | | | | |
| SA8230 | Cap for P803 | | | | | | | | |
| Pier & Abutment | | | | | | | | | |
| SA8310 | Abutment A804 | | | | | | | | |
| SA8320 | Pier P802 | | | | | | | | |
| SA8330 | Pier P803 | | | | | | | | |
| Structure Deck | | | | | | | | | |
| SA8410 | Falsework for Deck P801, P802 | | | | | | | | |
| SA8420 | Deck on P802, P802 + Stressing | | | | | | | | |
| Retaining Walls W1-1, W3-1, W5-1 & W7-1 | | | | | | | | | |
| Retaining Wall W3-1 | | | | | | | | | |
| SW3130 | Bored Pile for W3-1, 16 Nr. | | | | | | | | |

- Actual Work
- Remaining Work
- Critical
- ◆

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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | 28-Dec-16 | | | | | |
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| Retaining Wall W5-1 | | | | | | | | |
| SW5010 | Construction of Retaining Wall W5-1 (L-shape, 5 bays) | | | | | | | |
| Portion G Buildings | | | | | | | | |
| 033 Inbound Private Car Exam Building | | | | | | | | |
| A03320 | Super Structure | | | | | | | |
| A03330 | Finishing | | | | | | | |
| A03360 | External Works | | | | | | | |
| A03370 | BS for Office Accomodation (Stage 8) | | | | | | | |
| A03390 | Other BS + E&M Installation | | | | | | | |
| Glass Canopy Installation | | | | | | | | |
| B03300 | Shop Drawing Submission and Approval | | | | | | | |
| B03305 | Fabrication of Glass Canopy | | | | | | | |
| B03350 | Casted-in Items Installation | | | | | | | |
| Aluminium Metal Canopy | | | | | | | | |
| B03310 | Shop Drawing Submission and Approval | | | | | | | |
| B03315 | Fabrication of F/C System | | | | | | | |
| B03320 | Casted-in Items Installation | | | | | | | |
| 034 Satellite RCP South | | | | | | | | |
| A03430 | Raft Foundation | | | | | | | |
| A03440 | Super Structure (Roof Beams & Slabs) | | | | | | | |
| A03450 | Finishing | | | | | | | |
| A03460 | BS for Office Accomodation (Stage 8) | | | | | | | |
| A03480 | Other BS + E&M Installation | | | | | | | |
| S S Facade Greenery System | | | | | | | | |
| B03410 | Shop Drawing Submission for Approval | | | | | | | |
| B03415 | Fabrication of SS F/G System | | | | | | | |
| 035 - Sewage Pumping Station, Portion G | | | | | | | | |
| A03540 | Sheet Piling as ELS for Wet Well | | | | | | | |
| A03560 | ELS + Blinding for Wet Well | | | | | | | |
| A03570 | Constructing of Base Slab of Wet Well | | | | | | | |
| A03580 | Constructing of Wall Stem of Wet Well | | | | | | | |
| A03590 | Water-tightness Test for Wet Wells | | | | | | | |
| B03510 | Backfilling + Removal of ELS | | | | | | | |
| 051 Transformers (Zone 5) | | | | | | | | |
| A05150 | Finishing | | | | | | | |
| A05165 | Energisation by CLP | | | | | | | |
| A05170 | BS for Office Accommodations (KD9) | | | | | | | |
| A05180 | BS + E&M for Office Accommodation (KD10) | | | | | | | |
| A05190 | Other BS + E & M Installation | | | | | | | |
| Completion of Fire Services Installation and Equipment (FCD) | | | | | | | | |
| F05140 | Provision of Approved Building Plans by the Engineer | | | | | | | |
| Waterworks Ordinance (WSD) | | | | | | | | |
| G05120 | Submission of WWO46 - Part I & II (Inside Services) | | | | | | | |
| 100 Inbound Traffic Control Kiosk | | | | | | | | |
| A10000 | Excavation + Blinding | | | | | | | |
| A10010 | Raft Foundation | | | | | | | |
| A10040 | Super Structure (Roof Beams & Slabs) | | | | | | | |
| A10050 | Finishing | | | | | | | |
| A10070 | BS + E&M for AVCSS Works (KD18A) | | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | | |

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| | B10010 | Shop Drawing Submission and Approval | | | | | | |
| | B10015 | Fabrication of F/C System | | | | | | |
| 112 Field Kiosk for Taxi Queuing Area | | | | | | | | |
| | A35200 | Excavation + Blinding | | | | | | |
| | A35210 | Foundation | | | | | | |
| | A35220 | Structure | | | | | | |
| | A35230 | Finishing | | | | | | |
| | B11520 | BS + E & M Installation | | | | | | |
| External Works for Portion G, H1 & H2 | | | | | | | | |
| Works within Portion H1 & H2 except the ELV Works in the Hong Kong Side PTI | | | | | | | | |
| | EU1560 | Drainage & Sewerage Works within Portion H1 & H2 in the Hong Kong Side PTI (KD20) | | | | | | |
| All Works within the Boundary defined in Drawing No. 60191048/C3/000/C00/1050 | | | | | | | | |
| | BEU1570 | Drainage & Sewerage Works (incl. CLP) within the Boundary defined in Drawing No. 60191048/C3/000/1050 | | | | | | |
| Drainage Works | | | | | | | | |
| | AS0080 | Initial Survey | | | | | | |
| | ED4070 | Drainage Works (6954m & 393MHs) | | | | | | |
| | ED4190 | Sewerage (437m & 12MHs) | | | | | | |
| Sign Gantry DS40, DS41 & DS75 | | | | | | | | |
| | ES0020 | Sign Gantry DS40 Pre-bored H Piling, 12 Nr. | | | | | | |
| | ES0040 | Sign Gantry DS41 Driven Piling 4 Nr. | | | | | | |
| | ES0080 | Testing for Pre-bored H Piling | | | | | | |
| | ES0170 | Submission and approval for Sign Gantry | | | | | | |
| | ES0180 | Fabrication & Delivery of Sign Gantrys to Site | | | | | | |
| Canopy and Covered Walkway | | | | | | | | |
| | CC1310 | Shop drawing, Approved & Fabrication | | | | | | |
| PORTION J | | | | | | | | |
| Portion J Structure | | | | | | | | |
| Bay 30 - 41 of CUE/Staff Subway (Portion J) | | | | | | | | |
| | B03040 | Bay 30 - 33 Construction - Base Slab | | | | | | |
| | B03050 | Bay 30 - 33 Construction - Wall + Top Slab | | | | | | |
| | B03210 | ELS + blinding (Bay 34 - 41) (8 bay) | | | | | | |
| | B03220 | Bay 34 - 39 Construction - Base Slab | | | | | | |
| | B03230 | Bay 34 - 39 Construction - Wall + Top Slab, Staircase | | | | | | |
| | B03240 | Bay 40 - 41 Construction - Base Slab | | | | | | |
| | B03250 | Bay 40 - 41 Construction - Wall + Top Slab, Staircase | | | | | | |
| 030 Outbound Private Car & GV Kiosks | | | | | | | | |
| | A03010 | Submission & Approval for Steel Works | | | | | | |
| | A03020 | Pre-fabrication for the Steel Kiosks | | | | | | |
| 030 Outbound Kiosks, Section IX, Subject to Excision | | | | | | | | |
| | C03010 | Submission & Approval for Steel Works | | | | | | |
| | C03020 | Pre-fabrication for the Steel Kiosks | | | | | | |
| Portion J Buildings | | | | | | | | |
| 024 Outbound Private Car Exam Building | | | | | | | | |
| | A02400 | Excavation + Blinding | | | | | | |
| | A02410 | Raft Foundation | | | | | | |
| | A02420 | Super Structure | | | | | | |
| Glass Canopy Installation | | | | | | | | |
| | B02410 | Shop Drawing Submission and Approval | | | | | | |

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| B02415 | Fabrication of F/C System | | | | | | |
| | Aluminium Metal Canopy | | | | | | |
| | B02450 | Shop Drawing Submission and Approval | | | | | |
| B02455 | Fabrication of F/C System | | | | | | |
| 031 Outbound IMMD and DOH Secondary Screen Building | | | | | | | |
| A03100 | Excavation + Blinding (+ PL Test) | | | | | | |
| A03110 | Raft Foundation | | | | | | |
| A03140 | Super Structure | | | | | | |
| 060 - Single Storey Support Building Associated with Buildings 044 & 045 | | | | | | | |
| Waterworks Ordinance (WSD) | | | | | | | |
| G06020 | Submission of WWO46 - Part I & II (Inside Services) | | | | | | |
| 061 Telecom Building | | | | | | | |
| A06120 | Excavation + Blinding | | | | | | |
| A06130 | Raft Foundation | | | | | | |
| A06140 | Super Structure | | | | | | |
| A06150 | Finishing (KD9) | | | | | | |
| A06160 | BS for Office Accommodations (KD9) | | | | | | |
| Aluminium Metal Canopy | | | | | | | |
| B06110 | Shop Drawing Submission and Approval | | | | | | |
| 101 Outbound Traffic Control Kiosk | | | | | | | |
| A10100 | Excavation + Blinding | | | | | | |
| A10110 | Raft Foundation | | | | | | |
| A10130 | Super Structure (Roof Beams & Slabs) | | | | | | |
| A10140 | Finishing | | | | | | |
| A10150 | BS + E&M for AVCSS Works (KD18A) | | | | | | |
| A10160 | BS + E&M for AVCSS Cabling (KD18B) | | | | | | |
| A10170 | BS for Office Accommodations (KD9) | | | | | | |
| A10190 | Other BS + E & M Installation | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | |
| B10110 | Shop Drawing Submission and Approval | | | | | | |
| B10120 | Fabrication of HPL Cladding | | | | | | |
| External Works for Portion J | | | | | | | |
| Works in Location 1.7B | | | | | | | |
| EU1500 | ELV Works & T&C in Location 1.7B | | | | | | |
| Works in Location 1.7C | | | | | | | |
| EU1530 | ELV Works & T&C in Location 1.7C | | | | | | |
| Drainage Works | | | | | | | |
| AS0110 | Initial Survey | | | | | | |
| ED4220 | Drainage Works (1700m & 86MHs), Stage 1 (Northern) | | | | | | |
| ED4340 | Sewerage (425m & 11MHs), Stage 1 (Northern) | | | | | | |
| Waterpipe Laying | | | | | | | |
| EW4230 | Fresh Water Main Laying (770m), Stage 1 (Northern) | | | | | | |
| EW4240 | Flushing Water Main Laying (431m), Stage 1 (Northern) | | | | | | |
| Sign Gantry DS104 | | | | | | | |
| ES0140 | Sign Gantry DS104 P-bored Piling, 8 Nr. | | | | | | |
| ES5140 | Submission and approval for Sign Gantry | | | | | | |
| ES5150 | Fabrication & Delivery of Sign Gantrys to Site | | | | | | |
| PORTION K, L, M, S & T | | | | | | | |
| Portion M Buildings | | | | | | | |

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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | 28-Dec-16 | | | | |
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| D10415 | Fabrication of F/C System | | | | | |
| 106 C&ED Detention Area Guard Booth | | | | | | |
| A10600 | Excavation + Blinding | | | | | |
| A10610 | Structure (Raft Foundation) | | | | | |
| A10640 | Finishing | | | | | |
| E10640 | BS for Office Accommodations (KD9) | | | | | |
| E10660 | Other BS + E & M Installation | | | | | |
| Facade Envelop Structure Installation | | | | | | |
| B10610 | Shop Drawing Submission and Approval | | | | | |
| 107 C&ED Mobile X-ray Operation Office, Portion N | | | | | | |
| A10700 | Excavation + Blinding | | | | | |
| A10710 | Substructure (Raft Foundation) | | | | | |
| A10740 | Super Structure | | | | | |
| External Works for Portion N | | | | | | |
| Works in Location 1.7A | | | | | | |
| EU1540 | ELV Works & T&C in Location 1.7A | | | | | |
| Drainage Works | | | | | | |
| AS0150 | Initial Survey | | | | | |
| ED4620 | Drainage Works (964m & 56MHs), Stage 1 (Southern) | | | | | |
| ED4650 | Sewerage (383m & 12MHs), Stage 1 (Southern) | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | |
| EU5470 | Duct & Cable Laying for TCSS & Lighting | | | | | |
| PORTION P | | | | | | |
| Portion Structure | | | | | | |
| Retaining Wall RW1 | | | | | | |
| RW1110 | Construction of Retaining Wall RW1 (U-shape, 5 bays) | | | | | |
| Portion P Buildings | | | | | | |
| 105 IMMD Guard Booth, Portion P | | | | | | |
| Facade Envelop Structure Installation | | | | | | |
| A10560 | Shop Drawing Submission and Approval | | | | | |
| A10565 | Fabrication of F/C System | | | | | |
| External Works for Portion P | | | | | | |
| Drainage Works | | | | | | |
| AS0160 | Initial Survey | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | |
| EU5490 | Duct & Cable Laying for TCSS & Lighting (KD15) | | | | | |
| PORTION Q | | | | | | |
| External Works for Portion Q | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | |
| ED5570 | Duct & Cable Laying for Utilities/Telecom | | | | | |
| ED5580 | Duct & Cable Laying for TCSS & Lighting | | | | | |
| EU1490 | ELV System Installation for Contract HY/2013/04 | | | | | |
| Roadworks | | | | | | |
| AS0170 | Initial Survey | | | | | |
| ER4920 | Subbase (104 ton) | | | | | |
| ER4950 | Bitumen Pavement (215 ton) | | | | | |
| Railing | | | | | | |
| ER4890 | Railing | | | | | |

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| | | | | Oct | Nov | Dec | Jan | Feb | | |
| HKBCF - VCP & Ancillary Buildings and Facilities, DWP Rev. 3, DD 31 Oct. 16 | | | | | | | | | | |
| CONTRACT DATES | | | | | | | | | | |
| Key Dates | | | | | | | | | | |
| A1150 | KD15 Achievement of Stage 14 of the Works (548 days; 08 Oct. 16) | | | | | ◆ KD15 Achievement of Stage 14 of the Works (548 days; 08 Oct. | | | | |
| A1320 | KD32 Achievement of Section IV(b) of the Works (646 days; 15 Jan. 17) | | | | | | ◆ KD32 Achievement of Sec | | | |
| A1330 | KD33 Achievement of Section IV(c) of the Works (646 days; 15 Jan. 17) | | | | | | ◆ KD33 Achievement of Sec | | | |
| Site Access & Possession | | | | | | | | | | |
| Possession of Portion of Site | | | | | | | | | | |
| A0030 | Possession of Portion B (<=100 days) | | | | ◆ Possession of Portion B (<=100 days) | | | | | |
| A0040 | Possession of Portion C (<=100 days) | | | | | | ◆ Possession of Portion C (<=100 days) | | | |
| A0050 | Possession of Portion D (<=220 days) | | | ◆ Possession of Portion D (<=220 days) | | | | | | |
| A0070 | Possession of Portion F (<=220 days) | | | | | | ◆ Possession of Portion F (<=220 days) | | | |
| A0080 | Possession of Portion G (<=225 days) | | | ◆ Possession of Portion G (<=225 days) | | | | | | |
| A0110 | Possession of Portion J (<=320 days) | | | | ◆ Possession of Portion J (<=320 days) | | | | | |
| A0150 | Possession of Portion N (<=345 days) | | | | ◆ Possession of Portion N (<=345 days) | | | | | |
| A0160 | Possession of Portion P (<=502 days) | | | | ◆ Possession of Portion P (<=502 days) | | | | | |
| A0170 | Possession of Portion Q (<=500 days) | | | | ◆ Possession of Portion Q (<=500 days) | | | | | |
| A0180 | Possession of Portion R (<=610 days) | | | | | | ◆ Possession of Portion R (<=610 days) | | | |
| Access to Locations of the Site | | | | | | | | | | |
| A0210 | Contract Date for Access to Location 1.1 (490 days) | | | | ◆ Contract Date for Access to Location 1.1 (490 days) | | | | | |
| A0220 | Contract Date for Access to Location 1.2 (405 days) | | | | ◆ Contract Date for Access to Location 1.2 (405 days) | | | | | |
| A0230 | Contract Date for Access to Location 1.3 (488 days) | | | | ◆ Contract Date for Access to Location 1.3 (488 days) | | | | | |
| A0240 | Contract Date for Access to Location 1.4 (488 days) | | | | ◆ Contract Date for Access to Location 1.4 (488 days) | | | | | |
| A0250 | Contract Date for Access to Location 1.5 (580 days) | | | | ◆ Contract Date for Access to Location 1.5 (580 days) | | | | | |
| A0280 | Contract Date for Access to Location 1.7A (610 days) | | | | | ◆ Contract Date for Access to Location 1.7A (610 days) | | | | |
| A0290 | Contract Date for Access to Location 1.7B (610 days) | | | | | ◆ Contract Date for Access to Location 1.7B (610 days) | | | | |
| A0300 | Contract Date for Access to Location 1.7C (610 days) | | | | | ◆ Contract Date for Access to Location 1.7C (610 days) | | | | |
| A0310 | Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days) | | | | ◆ Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days) | | | | | |
| A0320 | Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days) | | | | ◆ Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days) | | | | | |
| A0330 | Contract Date for Access to External Area for Contract HY/2013/01 for ELV System Installation (570 days) | | | | ◆ Contract Date for Access to External Area for Contract HY/2013/01 for ELV System Installation (570 days) | | | | | |
| A0340 | Contract Date for Access to External Area for Contract HY/2013/02 for ELV System Installation (560 days) | | | | ◆ Contract Date for Access to External Area for Contract HY/2013/02 for ELV System Installation (560 days) | | | | | |
| A0350 | Contract Date for Access to External Area for Contract HY/2013/04 ELV System Installation (560 days) | | | | ◆ Contract Date for Access to External Area for Contract HY/2013/04 ELV System Installation (560 days) | | | | | |
| Section/Stage Subject to Excision | | | | | | | | | | |
| A0770 | Contract Date for Section VI (650 days, latest date when the Engineer may order) | | | | | | ◆ Contract Date for Sect | | | |
| A0780 | Contract Date for Section VII (650 days, latest date when the Engineer may order) | | | | | | ◆ Contract Date for Sect | | | |
| PRELIMINARY | | | | | | | | | | |
| Precast Yard for Bridge Segement | | | | | | | | | | |
| A0630 | Segment Manufacture | | | | | | | | | |
| PORTION A1 | | | | | | | | | | |
| Portion A1 Structures | | | | | | | | | | |
| Bridge A9 | | | | | | | | | | |
| Bored Pile | | | | | | | | | | |
| SA9120 | Bored pile for A9 Bridge, 10 no. | | | | | | | | | |
| SA9140 | Pile testing | | | | | | | | | |
| Pile Cap | | | | | | | | | | |
| <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Critical</div> <div><div>◆</div> Milestone</div> | | | | THREE MONTH ROLLING PROGRAMME VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES Page 1 of 17 | | | Date | Revision | Checked | Approved |
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| | SA9210 | Cap - A905 | | | | | | | | | | |
| | SA9220 | Cap - P904 | | | | | | | | | | |
| | SA9230 | Cap - P903 | | | | | | | | | | |
| | SA9240 | Cap - P902 | | | | | | | | | | |
| | SA9250 | Cap - A901 | | | | | | | | | | |
| | Pier & Abutment | | | | | | | | | | | |
| | SA9310 | Abutment A905 | | | | | | | | | | |
| | SA9320 | Pier P904 | | | | | | | | | | |
| | SA9330 | Pier P903 | | | | | | | | | | |
| | SA9340 | Pier P902 | | | | | | | | | | |
| | SA9350 | Abutment A901 | | | | | | | | | | |
| | Structure Deck | | | | | | | | | | | |
| | SA9400 | Falsework for Deck A905 - P904 | | | | | | | | | | |
| | SA9430 | Falsework for Deck P903 - P902 | | | | | | | | | | |
| | Retaining Wall W8-1 | | | | | | | | | | | |
| | SW8110 | Construction of Retaing Wall W8-1 (U-shape, 4 bays) | | | | | | | | | | |
| | Retaining Wall W9-1 | | | | | | | | | | | |
| | SW9110 | Construction of Retaining Wall W9-1 (U-shape, 4 bays) (+PL Test) | | | | | | | | | | |
| | Box Culvert D | | | | | | | | | | | |
| | Box Culvert D Construction | | | | | | | | | | | |
| | SD0140 | Box Culvert D Construction (Stage 1, Bay 33 - 35) | | | | | | | | | | |
| | SD0150 | Box Culvert D Construction (Stage 2, Bay 36 - 38) | | | | | | | | | | |
| | SD0160 | Box Culvert D Construction (Stage 3, Bay 39 - 42) | | | | | | | | | | |
| | SD0170 | Box Culvert D Construction (Stage 4, Bay 19 - 21 & 24 - 32) | | | | | | | | | | |
| | SD0180 | Box Culvert D Backfilling | | | | | | | | | | |
| 047 - Fresh Water Pumping Station, Portion A1 & A2 | | | | | | | | | | | | |
| A04720 | Excavation + Blinding | | | | | | | | | | | |
| A04730 | Pile Testing | | | | | | | | | | | |
| A04740 | Water Tank Construction | | | | | | | | | | | |
| 049 - Sewage Treatment Plant, Portion A1 & A2 | | | | | | | | | | | | |
| A04946 | Excavation to 0.0mPD/+4.9mPD | | | | | | | | | | | |
| A04948 | Pile Testing | | | | | | | | | | | |
| A04950 | Sheet Piling as ELS1 for Equalization Tanks | | | | | | | | | | | |
| A04960 | Sheet Piling as ELS2 for Sludge Holding Tanks | | | | | | | | | | | |
| B04960 | ELS1 + Blinding for Equalization Tanks | | | | | | | | | | | |
| B04970 | Constructing Base Slab for Equalization Tanks | | | | | | | | | | | |
| B04980 | Backfilling + Removing 3rd Strut of ELS1 | | | | | | | | | | | |
| B04990 | Constructing Wall Stem for Equalization Tanks | | | | | | | | | | | |
| C04910 | Water-tightness Test for Equalization Tanks | | | | | | | | | | | |
| C04920 | Backfilling + Removal of ELS1 | | | | | | | | | | | |
| C04930 | ELS2 + Blinding for Equalization Tanks | | | | | | | | | | | |
| C04940 | Constructing Base Slab of Equalization Tanks | | | | | | | | | | | |
| C04950 | Backfilling + Removal Strut of ELS2 | | | | | | | | | | | |
| C04960 | Constructing Wall Stem of Sludge Holding Tanks | | | | | | | | | | | |
| C04970 | Water-tightness Test for Sludge Holding Tanks | | | | | | | | | | | |
| C04990 | Backfilling + Removal of ELS2 | | | | | | | | | | | |
| D04910 | ELS3 w/struts + Blinding for MBR Tanks | | | | | | | | | | | |
| D04920 | Constructing Base Slab for MBR Tanks | | | | | | | | | | | |
| D04930 | Constructing Wall Stem for MBR Tanks | | | | | | | | | | | |
| D04940 | Water-tightness Test for MBR Tanks | | | | | | | | | | | |
| <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Critical</div> <div><div></div> Milestone</div> | | | | THREE MONTH ROLLING PROGRAMME VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES Page 2 of 17 | | | | Date | Revision | | Checked | Approved |
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| D04950 | Backfilling + Removal of ELS3 | | | | | |
| D04955 | Excavation + Blinding for Ground Slab, Transformer Room | | | | | |
| D04960 | Constructing Ground Slab for Transformer Room | | | | | |
| D04970 | Transformer Room Construction | | | | | |
| D04980 | BS + E&M for Transformer Room to CLP (KD7) | | | | | |
| Completion of Fire Services Installation and Equipment (FCD) | | | | | | |
| F04950 | Provision of Approved Building Plans by the Engineer | | | | | |
| Waterworks Ordinance (WSD) | | | | | | |
| G04910 | Provision of Approval Letter and approved Drawings by the Engineer | | | | | |
| G04920 | Submission of WWO46 - Part I & II (Inside Services) | | | | | |
| Portion A1 Buildings | | | | | | |
| 012 - DOH Disinsection Area and Store Room 1, at Portion A1 | | | | | | |
| A01250 | Finishing | | | | | |
| A01260 | BS for Office Accomodation (Stage 8) | | | | | |
| A01270 | BS + E&M for Office Accomodation (Stage 9) | | | | | |
| A01280 | Other BS + E&M Installation | | | | | |
| 036 - Weigh Station | | | | | | |
| A03665 | External Wall Plaster & Tile | | | | | |
| A03670 | BS for Office Accomodation (Stage 8) | | | | | |
| A03680 | BS + E&M for Office Accomodation (Stage 9) | | | | | |
| A03690 | Other BS + E&M Instaallation | | | | | |
| B03620 | WWO 46 Part I & II Submission | | | | | |
| B03640 | Plumbing Inspection by WSD | | | | | |
| 037 C&ED Tower Cum Inbound Cargo Examination Building (Portion A1 & B) | | | | | | |
| A03738 | DDA Submission/Approval for Curtain Wall/Metal Roof/Alum. Cladding | | | | | |
| A03740 | Steel Frame Structure Installation | | | | | |
| A03742A | Mock-up Sample for Curtain Wall | | | | | |
| A03742B | Mock-up Sample for Cladding | | | | | |
| A03742C | Mock-up Sample for Mesh Screen Wall (SS41) & Balustrade | | | | | |
| A03742D | Mock-up Sample for Painted Concrete Wall | | | | | |
| A03742F | Mock-up Sample for External Wall Tiling | | | | | |
| A03744 | Curtain Wall/Metal Roof/Aluminium Cladding Installation | | | | | |
| A03746 | Blockwall Laying | | | | | |
| A03748 | Wall/Ceiling Plastering/Tiling | | | | | |
| A03752 | Floor Screed/Tiling | | | | | |
| A03760 | BS for Office Accomodation (Stage 8) | | | | | |
| A03770 | BS + E&M for Office Accomodation (Stage 9) | | | | | |
| A03780 | BS + E&M for AVCSS Works (KD18A) | | | | | |
| A03785 | BS + E&M for AVCSS Cabling (KD18B) | | | | | |
| A03790 | Other BS + E&M Installation | | | | | |
| B03720 | WWO 46 Part I & II Submission | | | | | |
| 041 Fire Station Cum Ambulance Depot | | | | | | |
| A04110 | Substructure | | | | | |
| A04120 | Super Structure, G/F to 1/F | | | | | |
| A04122 | Super Structure, 1/F to 2/F (incl. parapet wall and planter wall) | | | | | |
| A04124 | DDA Submission/Approval for Cladding & Curtain Wall | | | | | |
| A04126 | Cladding & Curtain Wall Installation (incl. steel & metal works) | | | | | |
| A04132 | Blockworks | | | | | |
| A04133 | Ceiling & Wall Plastering/Wall Tiling | | | | | |
| A04140 | BS for Office Accomodation (Stage 8) | | | | | |

Actual Work

Remaining Work

Critical

Milestone

THREE MONTH ROLLING PROGRAMME

VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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Revision

Checked

Approved

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ZJ

31-Oct-16

3MRP updated as of 30 Oct. 2016

ZJ

30-Nov-16

3MRP updated as of 30 Nov. 2016

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| EU5260 | Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV | | | | | |
| PORTION A2 | | | | | | |
| Portion A2 Structures | | | | | | |
| 048 - Reclaimed Water Pumping Station, Portion A2 | | | | | | |
| A04830 | Sheet Piling as ELS for Basement 1 | | | | | |
| A04840 | Pile testing | | | | | |
| A04850 | Excavation + Blinding for Basement 1 | | | | | |
| A04860 | Basement 1 Construction | | | | | |
| Retaining Wall W9-2 | | | | | | |
| SW9210 | Construction of Retaining Wall W9-2 (U-shape, 6 bay) | | | | | |
| External Works for Portion A2 | | | | | | |
| Drainage Works | | | | | | |
| A2S010 | Initial Survey | | | | | |
| PORTION B | | | | | | |
| Portion B Structures | | | | | | |
| Retaining Wall W7-2 | | | | | | |
| S70870 | Construction of Retaining Wall W7-2 (L-shape, 1 bays) | | | | | |
| S70890 | RW7-2 Backfilling | | | | | |
| Retaining Wall W6-1 | | | | | | |
| S62050 | Construction of Retaining Wall W6-1 (L-shape, 4bays) | | | | | |
| S62060 | RW6-1 Backfilling | | | | | |
| Bay 4 - 19 of CUE/Staff Subway | | | | | | |
| C02760 | Internal Finishes & Cable Containment (KD1) | | | | | |
| C02770 | BS + E&M Installation for AVCSS (Stage 1) | | | | | |
| C02780 | Chilled Water Pipe (CUE) installation | | | | | |
| Bay 20 - 24 of CUE/Staff Subway | | | | | | |
| C02820 | Bay 20 - 24 Construction - Base Slab | | | | | |
| C02830 | Bay 20 - 24 Construction - Wall + Top Slab | | | | | |
| C02840 | Internal Finishes & Cable Containment (KD1) | | | | | |
| C02850 | BS + E&M Installation for AVCSS (Stage 1) | | | | | |
| C02860 | Chilled Water Pipe (CUE) installation | | | | | |
| Bay 25 - 29 of CUE/Staff Subway | | | | | | |
| C02920 | Bay 25 -29 Construction - Base Slab | | | | | |
| C02930 | Bay 25 - 29 Construction - Wall + Top Slab | | | | | |
| C02960 | Internal Finishes & Cable Containment (KD1) | | | | | |
| C02970 | BS + E&M Installation for AVCSS (KD1) | | | | | |
| C02980 | Chilled Water Pipe (CUE) installation | | | | | |
| Portion B Buildings | | | | | | |
| 027/028 Inbound Kiosks & 029 Outbound Kiosks | | | | | | |
| A02700 | Submission & Approval for Steel Works | | | | | |
| A02710 | Pre-fabrication for the Steel Kiosks | | | | | |
| A02715 | Mock up for Steel Kiosks | | | | | |
| A02718 | Mock up for Goods Vehicle Canopy | | | | | |
| A02720 | Super structure | | | | | |
| A02730 | Construction of Subway Entrance | | | | | |
| A02740 | Construction of Subway Toilets | | | | | |
| A02780 | BS + E&M for AVCSS Works (KD18A) | | | | | |
| 027/028 Inbound Kiosks & 029 Outbound Kiosks, Section IX, Subject to Excision | | | | | | |
| B02740 | Pre-fabrication for the Steel Kiosks | | | | | |

Actual Work

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| B02750 | Super structure | <div></div> | | | | <div></div> | | | | | | | | | | | | | | | | |
| B02760 | BS + E&M forAVCSS Works (KD18C) | | | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| 026 Inbound IMMD and DOH Secondary Screening Building | | | | | | | | | | | | | | | | | | | | | | |
| A02630 | Super Structure | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | |
| A02640 | Finishing | | | | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| A02650 | Contractor's Design Submission for SS Mesh Screen & Approval | | | | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| A02660 | Contractor's Design Submission for Aluminium Cladding & Approval | | | | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| A02670 | BS for Office Accomodation (Stage 8) | | | | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| A02690 | Other BS + E&M Installation | <div></div> | | | | <div></div> | | | | | | | | | | | | | | | | |
| 054 Inbound Fixed X-ray Building | | | | | | | | | | | | | | | | | | | | | | |
| A05455 | Superstructure, 1/F to 2/F (incl. parapet wall and planter wall) | <div></div> | | | | | | | | | | | | | | | | | | | | |
| A05460 | Finishing | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| A05467 | Energisation by CLP | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| A05470 | BS for Office Accomodation (Stage 8) | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | |
| A05490 | Other BS + E&M Installation | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| B05410 | Lift Installation | | | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| Completion of Fire Services Installation and Equipment (FCD) | | | | | | | | | | | | | | | | | | | | | | |
| F05440 | Provision of Approved Building Plans by the Engineer | | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | |
| Waterworks Ordinance (WSD) | | | | | | | | | | | | | | | | | | | | | | |
| G05410 | Provision of Approval Letter and approved Drawings by the Engineer | | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | |
| 038 AFCD Office | | | | | | | | | | | | | | | | | | | | | | |
| A03820 | Substructure | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | | |
| A03830 | Super Structure; G/F to 1/F | | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | |
| A03840 | Super Structure; 1/F to 2/F (incl. parapet and planter wall) | | | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| 039 Police Main Building | | | | | | | | | | | | | | | | | | | | | | |
| A03920 | Substructure | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | | |
| A03930 | Super Structure; G/F to 1/F | | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| 040 Incident Control Tower | | | | | | | | | | | | | | | | | | | | | | |
| A04020 | Substructure | | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | |
| A04040 | Super Structure | | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| Facade Cladding System | | | | | | | | | | | | | | | | | | | | | | |
| B04010 | Shop Drawing Submission and Approval | | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | |
| B04020 | Fabrication of F/C System | | | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| Glass Wall | | | | | | | | | | | | | | | | | | | | | | |
| C04010 | Shop Drawing Submission and Approval | | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | |
| C04020 | Fabrication of Glass Wall | | | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| 102 HKPF UVSS Monitor Room | | | | | | | | | | | | | | | | | | | | | | |
| A10210 | Substructure (Raft Foundation) | <div></div> | | | | | | | | | | | | | | | | | | | | |
| A10220 | Super Structure | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| A10230 | Finishing (False Ceiling) (KD9) | | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| A10240 | BS for Office Accomodation (Stage 8) | | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| A10270 | Other BS + E&M Installation | | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| Metal Canopy and Roof Installation | | | | | | | | | | | | | | | | | | | | | | |
| B10210 | Shop Drawing Submission and Approval | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | | |
| B10212 | Fabrication of MC/R | | <div></div> | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| B10220 | Casted-in Items Installation | | | | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| 103 Police Inspection Post | | | | | | | | | | | | | | | | | | | | | | |
| A10310 | Excavation + Blinding | | <div></div> | | | | | | | | | | | | | | | | | | | |
| A10330 | Raft Foundation | | <div></div> | <div></div> | | | | | | | | | | | | | | | | | | |
| A10340 | Super Structure (Roof Slabs) | | | <div></div> | <div></div> | <div></div> | | | | | | | | | | | | | | | | |
| <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Critical</div> <div><div></div> Milestone</div> | | | THREE MONTH ROLLING PROGRAMME VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES Page 6 of 17 | | | <table><tr><th>Date</th><th>Revision</th><th>Checked</th><th>Approved</th></tr><tr><td>30-Sep-16</td><td>3MRP updated as of 30 Sep. 2016</td><td>ZJ</td><td></td></tr><tr><td>31-Oct-16</td><td>3MRP updated as of 30 Oct. 2016</td><td>ZJ</td><td></td></tr><tr><td>30-Nov-16</td><td>3MRP updated as of 30 Nov. 2016</td><td>ZJ</td><td></td></tr></table> | Date | Revision | Checked | Approved | 30-Sep-16 | 3MRP updated as of 30 Sep. 2016 | ZJ | | 31-Oct-16 | 3MRP updated as of 30 Oct. 2016 | ZJ | | 30-Nov-16 | 3MRP updated as of 30 Nov. 2016 | ZJ | |
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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | | | | | | | | 28-Dec-16 | |
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| Activity ID | | Activity Name | | 2016 | | | 2017 | | | | |
| | | | | Oct | Nov | Dec | Jan | Feb | | | |
| PORTION C | | | | | | | | | | | |
| Portion C Buildings | | | | | | | | | | | |
| 010 - Inbound Coach Kiosk & Staff Subway Entrance | | | | | | | | | | | |
| A01010 | Substructure and Staircase Construction | | | | | | | | | | |
| 009 - Staff Subway Entrance (Bay 0 - 3) & Shuttle Bus Kiosks | | | | | | | | | | | |
| A00930 | Constructing Wall + Top Slab of Bay 0 -3 | | | | | | | | | | |
| A00940 | Finishing | | | | | | | | | | |
| A00950 | BS + E&M for AVCSS works (KD 1) | | | | | | | | | | |
| A00960 | Chilled Water Pipe Installation (CUE) | | | | | | | | | | |
| B00910 | Substructure and Staircase Construction (Portion B&C) | | | | | | | | | | |
| B00920 | Kiosk Superstructure | | | | | | | | | | |
| 012 - DOH Disinsection Area and Store Room 1, at Portion C | | | | | | | | | | | |
| B01210 | Excavation & Blinding | | | | | | | | | | |
| B01220 | Raft Foundation | | | | | | | | | | |
| 104 - DOH Secondary Screening Station, at Portion C | | | | | | | | | | | |
| A10420 | Excavation & Blinding | | | | | | | | | | |
| A10430 | Substructure | | | | | | | | | | |
| Facade Cladding System | | | | | | | | | | | |
| A10460 | Shop Drawing Submission and Approval | | | | | | | | | | |
| A10465 | Fabrication of F/C System | | | | | | | | | | |
| 108 C&ED Mobile X-ray Machine Operation Office, Portion C | | | | | | | | | | | |
| A10805 | Excavation & Blinding | | | | | | | | | | |
| A10810 | Raft Foundation | | | | | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | | | | | |
| A10800 | Shop Drawing Submission and Approval | | | | | | | | | | |
| 110 IMMD Guard Booth (Type 2) East | | | | | | | | | | | |
| A11020 | Excavation & Blinding | | | | | | | | | | |
| A11030 | Substructure | | | | | | | | | | |
| Facade Envelop Structure Installation | | | | | | | | | | | |
| A11040 | Shop Drawing Submission and Approval | | | | | | | | | | |
| 110 IMMD Guard Booth (Type 2) West | | | | | | | | | | | |
| C11010 | Excavation & Blinding | | | | | | | | | | |
| 111 Field Kiosk for Carpark Operator | | | | | | | | | | | |
| A11120 | Excavation & Blinding | | | | | | | | | | |
| A11130 | Raft Foundation | | | | | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | | | | | |
| B11110 | Shop Drawing Submission and Approval | | | | | | | | | | |
| 113 - Field Kiosk for Access Control, Portion C | | | | | | | | | | | |
| C11310 | Excavation & Blinding | | | | | | | | | | |
| C11320 | Raft Foundation | | | | | | | | | | |
| External Works for Portion C | | | | | | | | | | | |
| Works in Location 1.2, 1.8 & 011 - Emergency Generator Building | | | | | | | | | | | |
| BB1440 | Works & T&C in Location 1.2 | | | | | | | | | | |
| BB1460 | ELV System Installation for Contract HY/2013/01 | | | | | | | | | | |
| Drainage Works | | | | | | | | | | | |
| B00040 | Initial Survey | | | | | | | | | | |
| SG2400 | Drainage Works (400m & 18MHs), Stage 1 (Eastern) | | | | | | | | | | |
| SG3610 | Sewerage (90m & 2MHs), Stage 1 (Eastern) | | | | | | | | | | |
| 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 |
|-----------|---------------------------------|---------|----------|
| 30-Sep-16 | 3MRP updated as of 30 Sep. 2016 | ZJ | |
| 31-Oct-16 | 3MRP updated as of 30 Oct. 2016 | ZJ | |
| 30-Nov-16 | 3MRP updated as of 30 Nov. 2016 | ZJ | |

| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | | | | | | | | 28-Dec-16 | |
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| Activity ID | | Activity Name | | 2016 | | | 2017 | | | | |
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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | 28-Dec-16 | | | | | |
|--|----------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|
| Activity ID | | Activity Name | 2016 | | | 2017 | | |
| | | | Oct | Nov | Dec | Jan | Feb | |
| | SA5150 | Pile Testing for A503 & P506 | <div></div> | | | | | |
| | Pile Cap | | | | | | | |
| | SA5210 | Cap - P504 | <div></div> | | | | | |
| | SA5220 | Cap - P505 | <div></div> | | | | | |
| | SA5230 | Cap - P503 | | <div></div> | | | | |
| | SA5240 | Cap - P506 | | <div></div> | | | | |
| | SA5250 | Cap - A501 | | <div></div> | | | | |
| | SA5260 | Cap - P502a/b | | <div></div> | | | | |
| | Pier & Abutment | | | | | | | |
| | SA5310 | Pier P504 | | <div></div> | | | | |
| | SA5320 | Pier P505 | | <div></div> | | | | |
| | SA5330 | Pier P503 | | | <div></div> | | | |
| | SA5340 | Pier P506 | | <div></div> | | | | |
| | SA5350 | Pier P507 | <div></div> | <div></div> | | | | |
| | SA5360 | Pier P502a/b | | | <div></div> | | | |
| | SA5370 | Abutment A501 | | | <div></div> | | | |
| | Structure Deck | | | | | | | |
| | SA5410 | Falsework for Deck P504 - P505 | | | <div></div> | | | |
| | SA5420 | Deck on P504, P505 + Stressing | | | | <div></div> | | |
| | SA5450 | Falsework for Deck P505 - P506 | | | | | <div></div> | |
| | SA5460 | Deck on P505, P506 + Stressing | | | | | <div></div> | |
| | Bridge A6 | | | | | | | |
| | Pile Cap | | | | | | | |
| | SA6270 | Cap - A607/711 | | | | | | |
| | Pier & Abutment | | | | | | | |
| | SA6370 | Abutment A607 | | <div></div> | <div></div> | | | |
| | Structure Deck | | | | | | | |
| | SA6400 | Falsework for Deck P601, P602 | | <div></div> | | | | |
| | SA6410 | Deck on P601, P602 + Stressing | | | <div></div> | | | |
| | SA6420 | Falsework for Deck P602, P603 | | <div></div> | | | | |
| | SA6430 | Deck on P602, P603 + Stressing | | | <div></div> | | | |
| | SA6450 | Falsework for Deck P603 - P604 | | | <div></div> | | | |
| | SA6460 | Deck on P603, P604 + Stressing | | | | <div></div> | | |
| | SA6470 | Falsework for Deck P604, P605 | | | | <div></div> | | |
| | SA6480 | Deck on P604, P605 + Stressing | | | | | <div></div> | |
| | SA6490 | Falsework for Deck P605, P606 | | | | | | <div></div> |
| | Bridge A7a, A7b, A7c | | | | | | | |
| | Bored Pile | | | | | | | |
| | SA7160 | Bore Piling for A701, P702 - P705, 10 Nr. | | <div></div> | | | | |
| | SA7230 | Pile Testing for A701, P702, P703 | | | <div></div> | | | |
| | Pile Cap | | | | | | | |
| | SA7360 | Cap for P702 | | | <div></div> | | | |
| | SA7370 | Cap for P703 | | | <div></div> | | | |
| | SA7380 | Cap for A701 | | | <div></div> | | | |
| | Pier & Abutment | | | | | | | |
| SA7540 | Pier P704 | | <div></div> | | | | | |
| SA7550 | Pier P705 | | <div></div> | <div></div> | | | | |
| SA7560 | Pier P702 | | | | <div></div> | | | |
| SA7570 | Pier P703 | | | | | <div></div> | | |
| SA7650 | Abutment A711 | | <div></div> | <div></div> | | | | |

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 |
|-----------|---------------------------------|---------|----------|
| 30-Sep-16 | 3MRP updated as of 30 Sep. 2016 | ZJ | |
| 31-Oct-16 | 3MRP updated as of 30 Oct. 2016 | ZJ | |
| 30-Nov-16 | 3MRP updated as of 30 Nov. 2016 | ZJ | |

| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | 28-Dec-16 | | | | |
|---|---|---------------|--------------------------------------|-----|-----|--|---------------------------------|
| Activity ID | | Activity Name | 2016 | | | 2017 | |
| | | | Oct | Nov | Dec | Jan | Feb |
| Structure Deck | | | | | | | |
| SA7720 | Deck on P706, P707 & P712 (Bridge A7b) + Stressing | | | | | | |
| SA7730 | Falsework for Deck P705 - P706 | | | | | | |
| SA7740 | Deck on P705 & P706 (Bridge A7a) + Stressing | | | | | | |
| SA7750 | Falsework for Deck P704, P705 | | | | | | |
| SA7770 | Deck on P704 & P705 (Bridge A7a) + Stressing | | | | | | |
| SA7850 | Falsework for Deck P707, P708 (A7c) | | | | | | |
| SA7860 | Deck on P707, P708 (Bridge A7c) + Stressing | | | | | | |
| SA7940 | Parapet for Bridge A7b (8 pour) & E&M Works | | | | | | |
| Bridge A8 | | | | | | | |
| Pile Cap | | | | | | | |
| SA8210 | Cap - Abutment A804 | | | | | | |
| Pier & Abutment | | | | | | | |
| SA8310 | Abutment A804 | | | | | | |
| SA8320 | Pier P802 | | | | | | |
| SA8330 | Pier P803 | | | | | | |
| Structure Deck | | | | | | | |
| SA8410 | Falsework for Deck P801, P802 | | | | | | |
| SA8420 | Deck on P802, P802 + Stressing | | | | | | |
| SA8430 | Falsework for Deck P802, P803 | | | | | | |
| SA8440 | Deck on P802, P803 + Stressing | | | | | | |
| Retaining Walls W1-1, W3-1, W5-1 & W7-1 | | | | | | | |
| Retaining Wall W3-1 | | | | | | | |
| SW3130 | Bored Pile for W3-1, 16 Nr. | | | | | | |
| Retaining Wall W5-1 | | | | | | | |
| SW5010 | Construction of Retaining Wall W5-1 (L-shape, 5 bays) | | | | | | |
| Portion G Buildings | | | | | | | |
| 002 - C&ED Observation Guard Booth No.1, Portion H1 | | | | | | | |
| C00220 | Excavation + Blinding | | | | | | |
| C00230 | Raft Foundation | | | | | | |
| 002 - C&ED Observation Guard Booth No. 2, Portion H2 | | | | | | | |
| E00210 | Excavation + Blinding | | | | | | |
| E00220 | Raft Foundation | | | | | | |
| 033 Inbound Private Car Exam Building | | | | | | | |
| A03330 | Finishing | | | | | | |
| A03360 | External Works | | | | | | |
| A03370 | BS for Office Accomodation (Stage 8) | | | | | | |
| A03380 | BS + E&M for Office Accomodation (Stage 9) | | | | | | |
| A03390 | Other BS + E&M Installation | | | | | | |
| Glass Canopy Installation | | | | | | | |
| B03305 | Fabrication of Glass Canopy | | | | | | |
| B03350 | Casted-in Items Installation | | | | | | |
| Aluminium Metal Canopy | | | | | | | |
| B03315 | Fabrication of F/C System | | | | | | |
| B03320 | Casted-in Items Installation | | | | | | |
| 034 Satellite RCP South | | | | | | | |
| A03440 | Super Structure (Roof Beams & Slabs) | | | | | | |
| A03450 | Finishing | | | | | | |
| A03460 | BS for Office Accomodation (Stage 8) | | | | | | |
| A03470 | BS + E&M for Office Accomodation (Stage 9) | | | | | | |
| <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Critical</div> <div><div></div> Milestone</div> | | | THREE MONTH ROLLING PROGRAMME | | | VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES | |
| | | | Page 12 of 17 | | | Date | Revision |
| | | | | | | 30-Sep-16 | 3MRP updated as of 30 Sep. 2016 |
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|---|--|---------------|-----------|-----|-----|------|-----|
| Activity ID | | Activity Name | 2016 | | | 2017 | |
| | | | Oct | Nov | Dec | Jan | Feb |
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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | | 28-Dec-16 | | | |
|--|---|--------------------------------------|-----|-----------|-----|------|--|
| Activity ID | | Activity Name | | 2016 | | 2017 | |
| | | Oct | Nov | Dec | Jan | Feb | |
| | CC1310 | Shop drawing, Approved & Fabrication | | | | | |
| PORTION J | | | | | | | |
| Portion J Structure | | | | | | | |
| Bay 30 - 41 of CUE/Staff Subway (Portion J) | | | | | | | |
| B03040 | Bay 30 - 33 Construction - Base Slab | | | | | | |
| B03050 | Bay 30 - 33 Construction - Wall + Top Slab | | | | | | |
| B03210 | ELS + blinding (Bay 34 - 41) (8 bay) | | | | | | |
| B03220 | Bay 34 - 39 Construction - Base Slab | | | | | | |
| B03230 | Bay 34 - 39 Construction - Wall + Top Slab, Staircase | | | | | | |
| B03240 | Bay 40 - 41 Construction - Base Slab | | | | | | |
| B03250 | Bay 40 - 41 Construction - Wall + Top Slab, Staircase | | | | | | |
| 030 Outbound Private Car & GV Kiosks | | | | | | | |
| A03010 | Submission & Approval for Steel Works | | | | | | |
| A03020 | Pre-fabrication for the Steel Kiosks | | | | | | |
| 030 Outbound Kiosks, Section IX, Subject to Excision | | | | | | | |
| C03010 | Submission & Approval for Steel Works | | | | | | |
| C03020 | Pre-fabrication for the Steel Kiosks | | | | | | |
| Portion J Buildings | | | | | | | |
| 024 Outbound Private Car Exam Building | | | | | | | |
| A02400 | Excavation + Blinding | | | | | | |
| A02410 | Raft Foundation | | | | | | |
| A02420 | Super Structure | | | | | | |
| Glass Canopy Installation | | | | | | | |
| B02410 | Shop Drawing Submission and Approval | | | | | | |
| B02415 | Fabrication of F/C System | | | | | | |
| Aluminium Metal Canopy | | | | | | | |
| B02450 | Shop Drawing Submission and Approval | | | | | | |
| B02455 | Fabrication of F/C System | | | | | | |
| 031 Outbound IMMD and DOH Secondary Screen Building | | | | | | | |
| A03100 | Excavation + Blinding (+ PL Test) | | | | | | |
| A03110 | Raft Foundation | | | | | | |
| A03140 | Super Structure | | | | | | |
| 060 - Single Storey Support Building Associated with Buildings 044 & 045 | | | | | | | |
| A06000 | Excavation + Blinding | | | | | | |
| A06010 | Raft Foundation (Traper) | | | | | | |
| A06040 | Excavation + Blinding (Strip part) | | | | | | |
| Waterworks Ordinance (WSD) | | | | | | | |
| G06020 | Submission of WWO46 - Part I & II (Inside Services) | | | | | | |
| 061 Telecom Building | | | | | | | |
| A06120 | Excavation + Blinding | | | | | | |
| A06130 | Raft Foundation | | | | | | |
| A06140 | Super Structure | | | | | | |
| A06150 | Finishing (KD9) | | | | | | |
| A06160 | BS for Office Accommodations (KD9) | | | | | | |
| Aluminium Metal Canopy | | | | | | | |
| B06110 | Shop Drawing Submission and Approval | | | | | | |
| 101 Outbound Traffic Control Kiosk | | | | | | | |
| A10100 | Excavation + Blinding | | | | | | |
| A10110 | Raft Foundation | | | | | | |

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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| Date | Revision | Checked | Approved |
|-----------|---------------------------------|---------|----------|
| 30-Sep-16 | 3MRP updated as of 30 Sep. 2016 | ZJ | |
| 31-Oct-16 | 3MRP updated as of 30 Oct. 2016 | ZJ | |
| 30-Nov-16 | 3MRP updated as of 30 Nov. 2016 | ZJ | |

| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | | | 28-Dec-16 | | |
|--|--|--|------|-----|-----------|-----|-----|
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| | | | Oct | Nov | Dec | Jan | Feb |
| | A10130 | Super Structure (Roof Beams & Slabs) | | | | | |
| | A10140 | Finishing | | | | | |
| | A10150 | BS + E&M for AVCSS Works (KD18A) | | | | | |
| | A10160 | BS + E&M for AVCSS Cabling (KD18B) | | | | | |
| | A10170 | BS for Office Accommodations (KD9) | | | | | |
| | A10190 | Other BS + E & M Installation | | | | | |
| | HPL Composite Panel Cladding System | | | | | | |
| | B10110 | Shop Drawing Submission and Approval | | | | | |
| | B10120 | Fabrication of HPL Cladding | | | | | |
| | External Works for Portion J | | | | | | |
| | Works in Location 1.7B | | | | | | |
| | EU1500 | ELV Works & T&C in Location 1.7B | | | | | |
| | Works in Location 1.7C | | | | | | |
| | EU1530 | ELV Works & T&C in Location 1.7C | | | | | |
| | Drainage Works | | | | | | |
| | ED4220 | Drainage Works (1700m & 86MHs), Stage 1 (Northern) | | | | | |
| | ED4340 | Sewerage (425m & 11MHs), Stage 1 (Northern) | | | | | |
| | Waterpipe Laying | | | | | | |
| | EW4230 | Fresh Water Main Laying (770m), Stage 1 (Northern) | | | | | |
| EW4240 | Flushing Water Main Laying (431m), Stage 1 (Northern) | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | |
| EU5420 | Duct & Cable Laying for Utilities/Telecom | | | | | | |
| EU5430 | Duct & Cable Laying for TCSS & Lighting | | | | | | |
| Sign Gantry DS104 | | | | | | | |
| ES0140 | Sign Gantry DS104 P-bored Piling, 8 Nr. | | | | | | |
| ES5140 | Submission and approval for Sign Gantry | | | | | | |
| ES5150 | Fabrication & Delivery of Sign Gantrys to Site | | | | | | |
| PORTION K, L, M, S & T | | | | | | | |
| Portion M Buildings | | | | | | | |
| 108 - C&ED Mobile X-ray Operation Office, Portion M | | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | |
| C10810 | Shop Drawing Submission and Approval | | | | | | |
| C10820 | Fabrication of HPL Cladding | | | | | | |
| 104 DOH Screening Station, at Portion M | | | | | | | |
| Facade Envelop Structure Installation | | | | | | | |
| D10450 | Shop Drawing Submission and Approval | | | | | | |
| D10455 | Fabrication of F/C System | | | | | | |
| External Works | | | | | | | |
| Additional Works (Filling & RE Slope), SA1 | | | | | | | |
| ED3120 | Approval of RE Slope by GEO/AECOM | | | | | | |
| ED3210 | C1 Contractor to Completed cooling mains at east Portion (Stage1) | | | | | | |
| ED3220 | Removal of Access & Form another Temp. Access for Cooling Main | | | | | | |
| ED3230 | C1 Contractor to Completed cooling mains at east Portion (Stage 2) | | | | | | |
| ED3260 | Consolidation of fill at the Platform | | | | | | |
| ED3270 | Remove surcharge at the edge of Platform (North, Portion S, KD32) | | | | | | |
| ED3280 | Remove surcharge at the Platform (East, Portion T, KD33) | | | | | | |
| ED3310 | C1 Contractor to Complete Footbridge Supports at the South Portion | | | | | | |
| ED3320 | Fill Platform from +11.5PD to near PCB (South) | | | | | | |
| ED3330 | Add surcharge to Platform at +14.5mPD near PCB (South) | | | | | | |

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Date

Revision

Checked

Approved

30-Sep-16

3MRP updated as of 30 Sep. 2016

ZJ

31-Oct-16

3MRP updated as of 30 Oct. 2016

ZJ

30-Nov-16

3MRP updated as of 30 Nov. 2016

ZJ

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| | | | Oct | Nov | Dec | Jan | Feb | |
| | ED3340 | Consolidation of fill at the Platform (South) | | | | | | |
| | ED3410 | C2 Contractor to complete abutment at the North (2 nos.) | | | ◆ C2 Contractor to complete abutment at the North (2 nos.) | | | |
| | ED3420 | Fill Slope around C2 abutments | | | | | | |
| | Construction of Slopes | | | | | | | |
| | ED3430 | Construction of fill slope (Stage 1) (East) | | | | | | |
| | ED3510 | Footing for the Planter Wall, RE slope (West) | | | | | | |
| | ED3520 | Construct RE slope (West) | | | | | | |
| | ED3550 | Construction of fill slope (North) | | | | | | |
| | Drainage Works | | | | | | | |
| | ED4370 | Drainage Works (1477m & 81MHs), Stage 1 (Eastern) | | | | | | |
| | ED4490 | Sewerage (78m & 2MHs), Stage 1 (Eastern) | | | | | | |
| | Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | |
| | EU5450 | Duct & Cable Laying for TCSS & Lighting | | | | | | |
| | Canopy and Covered Walkway | | | | | | | |
| | CC1400 | Shop drawing, Approved & Fabrication | | | | | | |
| | PORTION N | | | | | | | |
| | Portion N Structure | | | | | | | |
| | Box Culvert B | | | | | | | |
| | Bored Pile | | | | | | | |
| | SB0550 | Loading Test | | | | | | |
| | SB0560 | Install H-piles | | | | | | |
| | SB0590 | Box B - Bore Pile (20 nos.) | | | | | | |
| | Box Culvert Structure | | | | | | | |
| | SB0710 | Box B - Construction (Stage 1) | | | | | | |
| | SB0715 | Handover from RC (1/11/16) | | | | | | |
| SB0722 | Box B - Temporary Works for Construction of Outfall Structure | | | | | | | |
| Portion N Buildings | | | | | | | | |
| 104 DOH Screening Station, at Portion N | | | | | | | | |
| Facade Envelop Structure Installation | | | | | | | | |
| D10410 | Shop Drawing Submission and Approval | | | | | | | |
| D10415 | Fabrication of F/C System | | | | | | | |
| 106 C&ED Detention Area Guard Booth | | | | | | | | |
| A10600 | Excavation + Blinding | | | | | | | |
| A10610 | Structure (Raft Foundation) | | | | | | | |
| A10640 | Finishing | | | | | | | |
| E10640 | BS for Office Accommodations (KD9) | | | | | | | |
| E10660 | Other BS + E & M Installation | | | | | | | |
| Facade Envelop Structure Installation | | | | | | | | |
| B10610 | Shop Drawing Submission and Approval | | | | | | | |
| 107 C&ED Mobile X-ray Operation Office, Portion N | | | | | | | | |
| A10700 | Excavation + Blinding | | | | | | | |
| A10710 | Substructure (Raft Foundation) | | | | | | | |
| A10740 | Super Structure | | | | | | | |
| External Works for Portion N | | | | | | | | |
| Works in Location 1.7A | | | | | | | | |
| EU1540 | ELV Works & T&C in Location 1.7A | | | | | | | |
| Drainage Works | | | | | | | | |
| AS0150 | Initial Survey | | | | | | | |
| ED4620 | Drainage Works (964m & 56MHs), Stage 1 (Southern) | | | | | | | |

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Critical

◆

◆ Milestone

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| | ED4650 | Sewerage (383m & 12MHs), Stage 1 (Southern) | | | | | |
| | Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | |
| | EU5470 | Duct & Cable Laying for TCSS & Lighting | | | | | |
| PORTION P | | | | | | | |
| Portion Structure | | | | | | | |
| | Retaining Wall RW1 | | | | | | |
| | RW1110 | Construction of Retaining Wall RW1 (U-shape, 5 bays) | | | | | |
| Portion P Buildings | | | | | | | |
| | 105 IMMD Guard Booth, Portion P | | | | | | |
| | Facade Envelop Structure Installation | | | | | | |
| | A10560 | Shop Drawing Submission and Approval | | | | | |
| | A10565 | Fabrication of F/C System | | | | | |
| External Works for Portion P | | | | | | | |
| | Drainage Works | | | | | | |
| | AS0160 | Initial Survey | | | | | |
| | Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | |
| | EU5490 | Duct & Cable Laying for TCSS & Lighting (KD15) | | | | | |
| PORTION Q | | | | | | | |
| External Works for Portion Q | | | | | | | |
| | Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | |
| | ED5570 | Duct & Cable Laying for Utilities/Telecom | | | | | |
| | ED5580 | Duct & Cable Laying for TCSS & Lighting | | | | | |
| | EU1490 | ELV System Installation for Contract HY/2013/04 | | | | | |
| | Roadworks | | | | | | |
| | AS0170 | Initial Survey | | | | | |
| | ER4920 | Subbase (104 ton) | | | | | |
| | ER4950 | Bitumen Pavement (215 ton) | | | | | |
| | Railing | | | | | | |
| | ER4890 | Railing | | | | | |
| | Road Furniture | | | | | | |
| | ER4900 | Road Furniture | | | | | |
| PORTION R | | | | | | | |
| Portion R Building | | | | | | | |
| | 002 - C&ED Observation Guard Booth, Portion R | | | | | | |
| | D00210 | Excavation + Blinding | | | | | |
| | D00220 | Raft Foundation | | | | | |
| External Works for Portion R | | | | | | | |
| | Drainage Works | | | | | | |
| | AS0180 | Initial Survey | | | | | |
| Landscape Works | | | | | | | |
| | A5170 | Design and Procurement for Irrigation System | | | | | |
| | A5180 | Installation of Irrigation System | | | | | |
| | A5190 | All landscape Soft & Hard Works | | | | | |

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| | | Nov | Dec | Jan | Feb | Mar | |
| | D04955 | Excavation + Blinding for Ground Slab | | | | | |
| | D04960 | Constructing Ground Slab for Transformer Room | | | | | |
| | D04970 | Transformer Room Construction | | | | | |
| Portion A1 Buildings | | | | | | | |
| 012 - DOH Disinsection Area and Store Room 1, at Portion A1 | | | | | | | |
| A01280 | Other BS + E&M Installation | | | | | | |
| 036 - Weigh Station | | | | | | | |
| A03650 | Ceiling/Wall Plaster & Painting | | | | | | |
| A03660 | Floor Screed | | | | | | |
| A03665 | External Wall Plaster & Tile | | | | | | |
| A03670 | BS for Office Accomodation (Stage 8) | | | | | | |
| A03680 | BS + E&M for Office Accommodation (Stage 9) | | | | | | |
| A03690 | Other BS + E&M Installation | | | | | | |
| 037 C&ED Tower Cum Inbound Cargo Examination Building (Portion A1 & B) | | | | | | | |
| A03738 | DDASubmission/Approval for Curtain Wall/Metal Roof/Alum. Cladding | | | | | | |
| A03740 | Steel Frame Structure Installation | | | | | | |
| A03742A | Mock-up Sample for Curtain Wall | | | | | | |
| A03742B | Mock-up Sample for Cladding | | | | | | |
| A03742C | Mock-up Sample for Mesh Screen Wall (SS41) & Balustrade | | | | | | |
| A03742E | Mock-up Sample for Toilet Counter Top (WF24) | | | | | | |
| A03742F | Mock-up Sample for External Wall Tiling | | | | | | |
| A03744 | Curtain Wall/Metal Roof/Aluminium Cladding Installation | | | | | | |
| A03746 | Blockwall Laying | | | | | | |
| A03748 | Wall/Ceiling Plastering/Tiling | | | | | | |
| A03752 | Floor Screed/Tiling | | | | | | |
| A03756 | Window/Door Frame Installation | | | | | | |
| A03760 | BS + E&M forAVCSS Cabling (KD18A) | | | | | | |
| A03780 | BS for Office Accomodation (KD9) | | | | | | |
| A03785 | BS for Office Accomodation (KD10) | | | | | | |
| A03790 | Other BS + E&M Installation | | | | | | |
| Test & Commission | | | | | | | |
| B03790 | Beam Plus Monthly Submission & Issue | | | | | | |
| 041 Fire Station Cum Ambulance Depot | | | | | | | |
| A04120 | Super Structure, G/F to 1/F | | | | | | |
| A04122 | Super Structure, 1/F to 2/F (incl. parapet wall and planter wall) | | | | | | |
| A04124 | DDASubmission/Approval for Cladding & Curtain Wall | | | | | | |
| A04126 | Cladding & Curtain Wall Installation (incl. steel & metal works) | | | | | | |
| A04132 | Blockworks | | | | | | |
| A04133 | Ceiling & Wall Plastering/Wall Tiling | | | | | | |
| A04140 | BS for Office Accomodation (Stage 8) | | | | | | |
| A04160 | Other BS + E&M Installation | | | | | | |
| 042 Drill Tower | | | | | | | |
| A04260 | Finishing | | | | | | |
| A04270 | BS for Office Accomodation (Stage 8) | | | | | | |
| A04280 | BS + E&M for Office Accomodation (Stage 9) | | | | | | |
| A04290 | Other BS + E&M Installation | | | | | | |
| 043 DOH Office + Store Room | | | | | | | |
| A04330 | Super Structure | | | | | | |
| A04340 | Water Tanks for F.S./Sprinkler Pump Room | | | | | | |
| A04360 | DDASubmission for Cladding & Curtain Wall | | | | | | |
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| Test & Commission | | | | | | |
| B02620 | Submission & Issue of WW046 I, II, III (Inside Services & FS) | | | | | |
| 054 Inbound Fixed X-ray Building | | | | | | |
| A05460 | Finishing | | | | | |
| A05467 | Energisation by CLP | | | | | |
| A05470 | BS for Office Accomodation (Stage 8) | | | | | |
| A05480 | BS + E&M for Office Accomodation (Stage 9) | | | | | |
| B05410 | Lift Installation | | | | | |
| Completion of Fire Services Installation and Equipment (FCD) | | | | | | |
| F05440 | Approved Building Plans | | | | | |
| Waterworks Ordinance (WSD) | | | | | | |
| G05410 | Approval Letter and approved Drawings | | | | | |
| 038 AFCD Office | | | | | | |
| A03820 | Substructure | | | | | |
| A03830 | Super Structure; G/F to 1/F | | | | | |
| A03840 | Super Structure; 1/F to 2/F (incl. parapet and planter wall) | | | | | |
| 039 Police Main Building | | | | | | |
| A03920 | Substructure | | | | | |
| A03930 | Super Structure; G/F to 1/F | | | | | |
| A03935 | Super Structure; 1/F to 2/F (incl. parapet and planter wall) | | | | | |
| 040 Incident Control Tower | | | | | | |
| A04020 | Substructure | | | | | |
| A04040 | Super Structure | | | | | |
| A04050 | Finishing (KD9) | | | | | |
| A04060 | BS for Office Accomodation (Stage 8), & for TCSS works (KD14) | | | | | |
| Facade Cladding System | | | | | | |
| B04010 | Shop Drawing Submission and Approval | | | | | |
| B04020 | Fabrication of F/C System | | | | | |
| Glass Wall | | | | | | |
| C04010 | Shop Drawing Submission and Approval | | | | | |
| C04020 | Fabrication of Glass Wall | | | | | |
| 102 HKPF UVSS Monitor Room | | | | | | |
| A10220 | Super Structure | | | | | |
| A10230 | Finishing (False Ceiling) (KD9) | | | | | |
| A10240 | BS for Office Accomodation (Stage 8) | | | | | |
| A10270 | Other BS + E&M Installation | | | | | |
| Metal Canopy and Roof Installation | | | | | | |
| B10210 | Shop Drawing Submission and Approval | | | | | |
| B10212 | Fabrication of MC/R | | | | | |
| 103 Police Inspection Post | | | | | | |
| A10310 | Excavation + Blinding | | | | | |
| A10330 | Raft Foundation | | | | | |
| A10340 | Super Structure (Roof Slabs) | | | | | |
| A10350 | Finishing (False Ceiling) (KD9) | | | | | |
| A10360 | BS for Office Accomodation (Stage 8) | | | | | |
| HPL Composite Panel Cladding System | | | | | | |
| B10310 | Shop Drawing Submission and Approval | | | | | |
| 057 Transformers (Zone 2) | | | | | | |
| A05730 | Superstruncture | | | | | |
| A05740 | Finishing | | | | | |

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| <div><div>Actual Work</div><div>Remaining Work</div><div>Critical</div><div>Milestone</div></div> | A05750 | BS + E&M for Tx Room to CLP (Stage 4) | | | | | | | |
| | A05760 | BS for Office Accomodation (Stage 8) | | | | | | | |
| | A05780 | Other BS + E&M Installation | | | | | | | |
| | Completion of Fire Services Installation and Equipment (FCD) | | | | | | | | |
| | F05740 | Provision of Approved Building Plans by the Engineer | | | | | | | |
| | DG License & EPD Generator Approval | | | | | | | | |
| | G05710 | Approval Letter and approved Drawings | | | | | | | |
| | 107 - C&ED Mobile X-ray Operation Office (Cargo), Portion B | | | | | | | | |
| | C10710 | Excavation + Blinding | | | | | | | |
| | C10720 | Raft Foundation | | | | | | | |
| | C10730 | Superstructure (Roof Slabs) | | | | | | | |
| | 113 - Field Kiosk for Access Control, Portion B | | | | | | | | |
| | B11320 | Raft Foundation | | | | | | | |
| | B11330 | Superstructure (Roof Beams & Slabs) | | | | | | | |
| | 201 - Inbound Cargo Mobile X-ray Operation Area | | | | | | | | |
| | ER5740 | Radiation Screen Wall Construaction | | | | | | | |
| | 205 - Inbound Private Car Mobile X-ray Operation Area | | | | | | | | |
| | ER5750 | Radiation Screen Wall Construaction | | | | | | | |
| | External Works for Portion B | | | | | | | | |
| | Works in Location 1.7A | | | | | | | | |
| | BB1480 | ELV Works & T&C in Location 1.7A | | | | | | | |
| | Works in Location 1.7B | | | | | | | | |
| | BB1490 | ELV Works & T&C in Location 1.7B | | | | | | | |
| | Drainage Works | | | | | | | | |
| | ED1540 | Drainage Works (1130m & 60 MHs), Stage 1 | | | | | | | |
| | ED3580 | Sewerage (275m & 8MHs), Stage 1 | | | | | | | |
| | ED5650 | Drainage Works (1130m & 60MHs), Stage 2 | | | | | | | |
| | ED5660 | Sewerage (300m & 8MHs), Stage 2 | | | | | | | |
| | ED5670 | Drainage Works (1130m & 60MHs), Stage 3 (N/W) | | | | | | | |
| | ED5680 | Sewerage (300m & 8MHs), Stage 3 (N/W) | | | | | | | |
| Waterpipe Laying | | | | | | | | | |
| EW1550 | Fresh Water Main Laying (472m), Stage 1 (S/W) | | | | | | | | |
| EW1560 | Flushing Water Main Laying (460m), Stage 1 (S/W) | | | | | | | | |
| EW6080 | Fresh Water Main Laying (500m), Stage 2 (S/E) | | | | | | | | |
| EW6090 | Flushing Water Main Laying (460m), Stage 2 (S/E) | | | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | | | |
| EU5300 | Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV | | | | | | | | |
| EU5630 | Access date s to Telephone Companies | | | | | | | | |
| Roadworks | | | | | | | | | |
| ER1640 | Subbase (10000 ton), Stage 1 (N/W) | | | | | | | | |
| ER3590 | Bitumen Pavement (14000 ton), Stage 1 (N/W) | | | | | | | | |
| ER3600 | Rigid Pavement (594 m3), Footpath & EVA, Stage 1 (N/W) | | | | | | | | |
| ER5590 | Subbase (11000 ton), Stage 2 (N/E) | | | | | | | | |
| Sign Gantry ADS 306A & ADS 306B | | | | | | | | | |
| ES5230 | Submission and approval for Sign Gantry | | | | | | | | |
| ES5240 | Fabrication & Delivery of Sign Gantrys to Site | | | | | | | | |
| PORTION C | | | | | | | | | |
| Portion C Buildings | | | | | | | | | |
| 010 - Inbound Coach Kiosk & Staff Subway Entrance | | | | | | | | | |

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| | A01010 | Substructure and Staircase Construction | | | | | | |
| 009 - Staff Subway Entrance (Bay 0 - 3) & Shuttle Bus Kiosks | | | | | | | | |
| | A00940 | Finishing | | | | | | |
| | A00950 | BS + E&M for AVCSS works (KD 1) | | | | | | |
| 012 - DOH Disinsection Area and Store Room 1, at Portion C | | | | | | | | |
| | B01210 | Excavation & Blinding | | | | | | |
| | B01220 | Raft Foundation | | | | | | |
| | B01230 | Supersturcture | | | | | | |
| 104 - DOH Secondary Screening Station, at Portion C | | | | | | | | |
| | A10420 | Excavation & Blinding | | | | | | |
| | A10430 | Substructure | | | | | | |
| | A10440 | BS for Office Accomodation (Stage 8) | | | | | | |
| | B10410 | Other BS + E&M Installation | | | | | | |
| Facade Cladding System | | | | | | | | |
| | A10460 | Shop Drawing Submission and Approval | | | | | | |
| | A10465 | Fabrication of F/C System | | | | | | |
| 108 C&ED Mobile X-ray Machine Operation Office, Portion C | | | | | | | | |
| | A10805 | Excavation & Blinding | | | | | | |
| | A10810 | Raft Foundation | | | | | | |
| | A10840 | Super Structure (Roof Beams & Slabs) | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | | |
| | A10800 | Shop Drawing Submission and Approval | | | | | | |
| | A10815 | Fabrication of HPL Cladding | | | | | | |
| 110 IMMD Guard Booth (Type 2) East | | | | | | | | |
| | A11020 | Excavation & Blinding | | | | | | |
| | A11030 | Substructure | | | | | | |
| | A11080 | Finishing | | | | | | |
| | A11090 | BS for Office Accomodation (Stage 8) | | | | | | |
| Facade Envelop Structure Installation | | | | | | | | |
| | A11040 | Shop Drawing Submission and Approval | | | | | | |
| | A11045 | Fabrication of F/C System | | | | | | |
| 111 Field Kiosk for Carpark Operator | | | | | | | | |
| | A11120 | Excavation & Blinding | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | | |
| | B11110 | Shop Drawing Submission and Approval | | | | | | |
| | B11120 | Fabrication of HPL Cladding | | | | | | |
| 113 - Field Kiosk for Access Control, Portion C | | | | | | | | |
| | C11310 | Excavation & Blinding | | | | | | |
| | C11320 | Raft Foundation | | | | | | |
| | C11330 | Superstructure (Roof Beams & Slabs) | | | | | | |
| 204 - Inbound Coach Exam Area & Mobile X-ray Operation | | | | | | | | |
| | ER5760 | Radiation Screen Wall Construaction | | | | | | |
| External Works for Portion C | | | | | | | | |
| Works in Location 1.2, 1.8 & 011 - Emergency Generator Building | | | | | | | | |
| | BB1440 | Works & T&C in Location 1.2 | | | | | | |
| | BB1460 | ELV System Installation for Contract HY/2013/01 | | | | | | |
| Drainage Works | | | | | | | | |
| | B00040 | Initial Survey | | | | | | |
| | SG2400 | Drainage Works (400m & 18MHs), Stage 1 (Eastern) | | | | | | |

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| SG3610 | Sewerage (90m & 2MHs), Stage 1 (Eastern) | | | | | | | |
| Waterpipe Laying | | | | | | | | |
| SW2410 | Fresh Water Main Laying (135m), Stage 1 (Eastern) | | | | | | | |
| SW2420 | Flushing Water Main Laying (50m), Stage 1 (Eastern) | | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | | |
| SU5320 | Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV | | | | | | | |
| PORTION D | | | | | | | | |
| Portion D Building | | | | | | | | |
| 113 - Field Kiosk for Access Control, Portion D | | | | | | | | |
| C11360 | Raft Foundation | | | | | | | |
| C11370 | Superstructure (Roof Beams & Slabs) | | | | | | | |
| D11340 | BS for Office Accomodation (Stage 8) | | | | | | | |
| External Works for Portion D | | | | | | | | |
| Drainage Works | | | | | | | | |
| SG3640 | Drainage Works (361m & 14MHs) | | | | | | | |
| SG3760 | Sewerage (121m & 6MHs) | | | | | | | |
| Waterpipe Laying | | | | | | | | |
| SW3650 | Fresh Water Main Laying (108m) | | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | | |
| B11480 | ELV System Installation for Contract HY/2013/02 | | | | | | | |
| SU5340 | Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV | | | | | | | |
| SU5350 | Duct & Cable Laying for TCSS & Lighting | | | | | | | |
| Works of Car Park Management System at Location 1.5, 1.6A & 1.6B | | | | | | | | |
| SR5540 | Works & T&C for Car Park Management System at Location 1.5 | | | | | | | |
| PORTION E | | | | | | | | |
| 006 - Shuttle Bus Kiosk & Staff Subway Entrance, at Portion E & M | | | | | | | | |
| A00610 | ELS + Blinding for Subway | | | | | | | |
| A00620 | Constructing base of Subway | | | | | | | |
| A00630 | Constructing wall stem + top slab of Subway | | | | | | | |
| External Works for Portion E | | | | | | | | |
| Drainage Works | | | | | | | | |
| B00060 | Initial Survey | | | | | | | |
| SG3780 | Drainage Works (99m & 5MHs) | | | | | | | |
| SG3900 | Sewerage (38m & 1 MH) | | | | | | | |
| PORTION F | | | | | | | | |
| External Works for Portion F | | | | | | | | |
| Drainage Works | | | | | | | | |
| B00070 | Initial Survey | | | | | | | |
| SG3930 | Drainage Works (122m & 9MHs) | | | | | | | |
| SG4050 | Sewerage (70m & 3MHs) | | | | | | | |
| Waterpipe Laying | | | | | | | | |
| SW3940 | Fresh Water Main Laying (205m) | | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | | |
| SU5380 | Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV | | | | | | | |
| SU5390 | Duct & Cable Laying for TCSS & Lighting | | | | | | | |
| PORTION G, H1 & H2 | | | | | | | | |
| Portion G Structures | | | | | | | | |
| Box Culvert C | | | | | | | | |
| <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Critical</div> <div><div></div> Milestone</div> | | THREE MONTH ROLLING PROGRAMME | | | Date | Revision | Checked | Approved |
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| Steel H Pile | | | | | | | | |
| SC0280 | Box C - 54 nos. of driven H pile, Stage 3 | | | | | | | |
| Box Culvert Structure | | | | | | | | |
| SC0310 | Box C - Branch Construction | | | | | | | |
| SC0320 | Box C - Branch Backfilling | | | | | | | |
| SC0380 | Box C - Construction of Main Body | | | | | | | |
| Bridge A1 | | | | | | | | |
| Bored Pile | | | | | | | | |
| SA1140 | Pile Testing | | | | | | | |
| Pile Cap | | | | | | | | |
| SA1210 | Cap - A106 | | | | | | | |
| Pier & Abutment | | | | | | | | |
| SA1310 | Abutment A106 | | | | | | | |
| Structure Deck | | | | | | | | |
| SA1450 | Falsework for Deck P101, P102 | | | | | | | |
| SA1460 | Deck on P101, P102 + Stressing | | | | | | | |
| SA1470 | Falsework for Deck P104, P105 | | | | | | | |
| SA1480 | Deck on P104, P105 + Stressing | | | | | | | |
| SA1490 | Falsework for Deck P105,A106 | | | | | | | |
| SA1510 | Deck on P105,A106 + Stressing | | | | | | | |
| Bridge A2 | | | | | | | | |
| Structure Deck | | | | | | | | |
| SA2450 | Falsework for Deck P201 - P202 | | | | | | | |
| SA2460 | Deck on P201 & P202 + Stressing | | | | | | | |
| SA2470 | Parapet (36 pour), E&M Works & installation of DS49 | | | | | | | |
| Bridge A3 | | | | | | | | |
| Bored Pile | | | | | | | | |
| SA3160 | Pile Testing for P304a/b | | | | | | | |
| Pile Cap | | | | | | | | |
| SA3220 | Cap - P304a/b | | | | | | | |
| SA3250 | Cap - A305 | | | | | | | |
| Pier & Abutment | | | | | | | | |
| SA3320 | Pier P304a, P304b | | | | | | | |
| SA3330 | Abutment A305 | | | | | | | |
| SA3350 | Pier P303 | | | | | | | |
| Structure Deck | | | | | | | | |
| SA3410 | Falsework for Deck P301 - P302 | | | | | | | |
| SA3420 | Deck on P301 - P302 + Stressing | | | | | | | |
| SA3430 | Falsework for Deck P302 - P303 | | | | | | | |
| SA3440 | Deck on P302 - P303 + Stressing | | | | | | | |
| SA3450 | Falsework for Deck P303 - P304a/P304b | | | | | | | |
| Bridge A4 | | | | | | | | |
| Bored Pile | | | | | | | | |
| SA4130 | Pile Testing | | | | | | | |
| Pile Cap | | | | | | | | |
| SA4210 | Cap - P401 | | | | | | | |
| SA4220 | Cap - P402 | | | | | | | |
| Pier & Abutment | | | | | | | | |
| SA4310 | Pier P401 | | | | | | | |
| SA4320 | Pier P402 | | | | | | | |

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| Structure Deck | | | | | | | | |
| SA4410 | Falsework for Deck P502b, P401 | | | | | | | |
| SA4420 | Deck on P502b, P401 + Stressing | | | | | | | |
| Bridge A5 | | | | | | | | |
| Pile Cap | | | | | | | | |
| SA5230 | Cap - P503 | | | | | | | |
| SA5240 | Cap - P506 | | | | | | | |
| SA5250 | Cap - A501 | | | | | | | |
| SA5260 | Cap - P502a/b | | | | | | | |
| Pier & Abutment | | | | | | | | |
| SA5310 | Pier P504 | | | | | | | |
| SA5320 | Pier P505 | | | | | | | |
| SA5330 | Pier P503 | | | | | | | |
| SA5340 | Pier P506 | | | | | | | |
| SA5350 | Pier P507 | | | | | | | |
| SA5360 | Pier P502a/b | | | | | | | |
| SA5370 | Abutment A501 | | | | | | | |
| Structure Deck | | | | | | | | |
| SA5410 | Falsework for Deck P504 - P505 | | | | | | | |
| SA5420 | Deck on P504, P505 + Stressing | | | | | | | |
| SA5430 | Falsework for Deck P503 - P504 | | | | | | | |
| SA5440 | Deck on P503, P504, + Stressing | | | | | | | |
| SA5450 | Falsework for Deck P505 - P506 | | | | | | | |
| SA5460 | Deck on P505, P506 + Stressing | | | | | | | |
| SA5470 | Falsework for Deck P502a, P502b, P503 | | | | | | | |
| SA5510 | Falsework for Deck P506 - P507 | | | | | | | |
| Bridge A6 | | | | | | | | |
| Pier & Abutment | | | | | | | | |
| SA6370 | Abutment A607 | | | | | | | |
| Structure Deck | | | | | | | | |
| SA6410 | Deck on P601, P602 + Stressing | | | | | | | |
| SA6430 | Deck on P602, P603 + Stressing | | | | | | | |
| SA6450 | Falsework for Deck P603 - P604 | | | | | | | |
| SA6460 | Deck on P603, P604 + Stressing | | | | | | | |
| SA6470 | Falsework for Deck P604, P605 | | | | | | | |
| SA6480 | Deck on P604, P605 + Stressing | | | | | | | |
| SA6490 | Falsework for Deck P605, P606 | | | | | | | |
| SA6510 | Deck on P605, P606 + Stressing | | | | | | | |
| Bridge A7a, A7b, A7c | | | | | | | | |
| Bored Pile | | | | | | | | |
| SA7230 | Pile Testing for A701, P702, P703 | | | | | | | |
| Pile Cap | | | | | | | | |
| SA7360 | Cap for P702 | | | | | | | |
| SA7370 | Cap for P703 | | | | | | | |
| SA7380 | Cap for A701 | | | | | | | |
| Pier & Abutment | | | | | | | | |
| SA7550 | Pier P705 | | | | | | | |
| SA7560 | Pier P702 | | | | | | | |
| SA7570 | Pier P703 | | | | | | | |
| SA7580 | Abutment A701 | | | | | | | |

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| SA7650 | Abutment A711 | | | | | |
| Structure Deck | | | | | | |
| SA7720 | Deck on P706, P707 & P712 (Bridge A7b) + Stressing | | | | | |
| SA7730 | Falsework for Deck P705 - P706 | | | | | |
| SA7740 | Deck on P705 & P706 (Bridge A7a) + Stressing | | | | | |
| SA7750 | Falsework for Deck P704, P705 | | | | | |
| SA7770 | Deck on P704 & P705 (Bridge A7a) + Stressing | | | | | |
| SA7780 | Falsework for Deck P703, P704 | | | | | |
| SA7790 | Deck on P703, P704 (Bridge A7a) + Stressing | | | | | |
| SA7850 | Falsework for Deck P707, P708 (A7c) | | | | | |
| SA7860 | Deck on P707, P708 (Bridge A7c) + Stressing | | | | | |
| SA7870 | Falsework for Deck P708 - P709 (A7c) | | | | | |
| SA7880 | Deck on P708 & P709 (Bridge A7c) + Stressing | | | | | |
| SA7890 | Falsework for Deck P709, P710 (A7c) | | | | | |
| SA7910 | Deck on P709, P710 (Bridge A7c) + Stressing | | | | | |
| SA7920 | Falsework for Deck P710 - A711 (A7c) | | | | | |
| SA7940 | Parapet for Bridge A7b (8 pour) & E&M Works | | | | | |
| Bridge A8 | | | | | | |
| Pier & Abutment | | | | | | |
| SA8310 | Abutment A804 | | | | | |
| SA8320 | Pier P802 | | | | | |
| SA8330 | Pier P803 | | | | | |
| Structure Deck | | | | | | |
| SA8410 | Falsework for Deck P801, P802 | | | | | |
| SA8420 | Deck on P802, P802 + Stressing | | | | | |
| SA8430 | Falsework for Deck P802, P803 | | | | | |
| SA8440 | Deck on P802, P803 + Stressing | | | | | |
| Retaining Walls W1-1, W3-1, W5-1 & W7-1 | | | | | | |
| Retaining Wall W1-1 | | | | | | |
| SW1110 | Construction of Retaining Wall W1-1 (L-shape, 4 bays) | | | | | |
| Retaining Wall W3-1 | | | | | | |
| SW3130 | Bored Pile for W3-1, 16 Nr. | | | | | |
| SW3140 | Pile Testing for W3-1 | | | | | |
| SW3150 | Construction of Retaining Wall W3-1 (U-shape, 4 bays) | | | | | |
| Retaining Wall W5-1 | | | | | | |
| SW5010 | Construction of Retaining Wall W5-1 (L-shape, 5 bays) | | | | | |
| Portion G Buildings | | | | | | |
| 002 - C&ED Observation Guard Booth No. 1, Portion H1 | | | | | | |
| C00220 | Excavation + Blinding | | | | | |
| C00230 | Raft Foundation | | | | | |
| C00240 | Superstructure | | | | | |
| 002 - C&ED Observation Guard Booth No. 2, Portion H1 | | | | | | |
| E00210 | Excavation + Blinding | | | | | |
| E00220 | Raft Foundation | | | | | |
| E00230 | Superstructure | | | | | |
| 033 Inbound Private Car Exam Building | | | | | | |
| A03360 | External Works | | | | | |
| A03370 | BS for Office Accomodation (Stage 8) | | | | | |
| A03380 | BS + E&M for Office Accomodation (Stage 9) | | | | | |
| A03390 | Other BS + E&M Installation | | | | | |

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| C03310 | Submission & Issue of WW046 I, II, III (Inside Services & FS) | | | | | |
| Glass Canopy Installation | | | | | | |
| B03300 | Shop Drawing Submission and Approval | | | | | |
| B03305 | Fabrication of Glass Canopy | | | | | |
| B03350 | Casted-in Items Installation | | | | | |
| Aluminium Metal Canopy | | | | | | |
| B03310 | Shop Drawing Submission and Approval | | | | | |
| B03315 | Fabrication of F/C System | | | | | |
| B03320 | Casted-in Items Installation | | | | | |
| 034 Satellite RCP South | | | | | | |
| A03450 | Finishing | | | | | |
| A03460 | BS for Office Accomodation (Stage 8) | | | | | |
| A03470 | BS + E&M for Office Accomodation (Stage 9) | | | | | |
| A03480 | Other BS + E&M Installation | | | | | |
| Test & Commision | | | | | | |
| C03410 | Submission & Issue of WW046 I, II, III (Inside Services & FS) | | | | | |
| S S Facade Greenery System | | | | | | |
| B03410 | Shop Drawing Submission for Approval | | | | | |
| B03415 | Fabrication of SS F/G System | | | | | |
| 035 - Sewage Pumping Station, Portion G | | | | | | |
| A03570 | Constructing of Base Slab of Wet Well | | | | | |
| A03580 | Constructing of Wall Stem of Wet Well | | | | | |
| A03590 | Water-tightness Test for Wet Wells | | | | | |
| B03510 | Backfilling + Removal of ELS | | | | | |
| B03520 | ELS + Blinding for Basement Basement | | | | | |
| B03530 | Constructing Base Slab of Basement | | | | | |
| B03540 | Constructing Basement Wall & G/F Slab | | | | | |
| B03550 | Water-tightness Test for Inlet Chamber | | | | | |
| B03560 | Superstructure works | | | | | |
| 051 Transformers (Zone 5) | | | | | | |
| A05150 | Finishing | | | | | |
| A05165 | Energisation by CLP | | | | | |
| A05170 | BS for Office Accommodations (KD9) | | | | | |
| A05190 | Other BS + E & M Installation | | | | | |
| Completion of Fire Services Installation and Equipment (FCD) | | | | | | |
| F05140 | Approved Building Plans | | | | | |
| 100 Inbound Traffic Control Kiosk | | | | | | |
| A10050 | Finishing | | | | | |
| HPL Composite Panel Cladding System | | | | | | |
| B10010 | Shop Drawing Submission and Approval | | | | | |
| B10015 | Fabrication of F/C System | | | | | |
| 112 Field Kiosk for Taxi Queuing Area | | | | | | |
| A11230 | Structure | | | | | |
| A11240 | Finishing | | | | | |
| A11250 | BS + E & M Installation | | | | | |
| External Works for Portion G, H1 & H2 | | | | | | |
| ELV Works within Portion H2 in the Hong Kong Side PTI | | | | | | |
| EU1550 | ELV Works within Portion H2 in the Hong Kong Side PTI (KD19) | | | | | |
| Sign Gantry DS40, DS41 & DS75 | | | | | | |
| ES0020 | Sign Gantry DS40 Pre-bored H Piling, 12 Nr. | | | | | |

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| <div></div> | ES0040 | Sign Gantry DS41 Driven Piling 4 Nr. | | | | | |
| | ES0080 | Testing for Pre-bored H Piling | | | | | |
| | ES0170 | Submission and approval for Sign Gantry | | | | | |
| | ES0180 | Fabrication & Delivery of Sign Gantrys to Site | | | | | |
| | Canopy and Covered Walkway | | | | | | |
| | CC1310 | Shop drawing, Approved & Fabrication | | | | | |
| | CC1320 | Footing | | | | | |
| | PORTION J | | | | | | |
| | Portion J Structure | | | | | | |
| | Bay 30 - 41 of CUE/Staff Subway (Portion J) | | | | | | |
| B03040 | Bay 30 - 33 Construction - Base Slab | | | | | | |
| B03050 | Bay 30 - 33 Construction - Wall + Top Slab | | | | | | |
| B03220 | Bay 34 - 39 Construction - Base Slab | | | | | | |
| B03230 | Bay 34 - 39 Construction - Wall + Top Slab, Staircase | | | | | | |
| B03240 | Bay 40 - 41 Construction - Base Slab | | | | | | |
| B03250 | Bay 40 - 41 Construction - Wall + Top Slab, Staircase | | | | | | |
| B03260 | Internal Finishes & Cable Containment (KD2) | | | | | | |
| B03270 | BS + E&M Installation for ACVSS (Stage 2) (KD2) | | | | | | |
| 030 Outbound Private Car & GV Kiosks | | | | | | | |
| A03020 | Pre-fabrication for the Steel Kiosks | | | | | | |
| 030 Outbound Kiosks, Section IX, Subject to Excision | | | | | | | |
| C03020 | Pre-fabrication for the Steel Kiosks | | | | | | |
| Portion J Buildings | | | | | | | |
| 024 Outbound Private Car Exam Building | | | | | | | |
| A02400 | Excavation + Blinding (PL Test) | | | | | | |
| A02410 | Raft Foundation | | | | | | |
| A02420 | Super Structure | | | | | | |
| Glass Canopy Installation | | | | | | | |
| B02410 | Shop Drawing Submission and Approval | | | | | | |
| B02415 | Fabrication of F/C System | | | | | | |
| Aluminium Metal Canopy | | | | | | | |
| B02450 | Shop Drawing Submission and Approval | | | | | | |
| B02455 | Fabrication of F/C System | | | | | | |
| 031 Outbound IMMD and DOH Secondary Screen Building | | | | | | | |
| A03110 | Raft Foundation | | | | | | |
| A03140 | Super Structure | | | | | | |
| 060 - Single Storey Support Building Associated with Buildings 044 & 045 | | | | | | | |
| A06000 | Excavation + Blinding (+ PL Test) | | | | | | |
| A06010 | Raft Foundation (Traper) | | | | | | |
| A06020 | Superstructure (Traper) Construction | | | | | | |
| A06040 | Excavation + Blinding (Strip part) | | | | | | |
| A06045 | Raft Foundation (Strip part) | | | | | | |
| Waterworks Ordinance (WSD) | | | | | | | |
| G06020 | Submission of WWO46 - Part I & II (Inside Services) | | | | | | |
| 061 Telecom Building | | | | | | | |
| A06120 | Excavation + Blinding | | | | | | |
| A06130 | Raft Foundation | | | | | | |
| A06140 | Super Structure | | | | | | |
| A06150 | Finishing (KD9) | | | | | | |

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| | | | Nov | Dec | Jan | Feb | Mar | |
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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | | | | 14-Dec-16 | | |
|--|--|---|-----|------|-----------|---------------------------------|---------|----------|
| Activity ID | Activity Name | 2016 | | 2017 | | | | |
| | | Nov | Dec | Jan | Feb | Mar | | |
| B10810 | Substructure (raft Foundation) | | | | | | | |
| B10840 | Super Structure (Roof beams & Slabs) | | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | | |
| C10810 | Shop Drawing Submission and Approval | | | | | | | |
| C10820 | Fabrication of HPL Cladding | | | | | | | |
| 104 DOH Screening Station, at Portion M | | | | | | | | |
| C10400 | Excavation + Blinding | | | | | | | |
| C10430 | Structure (Raft Foundation) | | | | | | | |
| C10440 | Finishing | | | | | | | |
| C10450 | BS for Office Accommodations (KD9) | | | | | | | |
| Facade Envelop Structure Installation | | | | | | | | |
| D10450 | Shop Drawing Submission and Approval | | | | | | | |
| D10455 | Fabrication of F/C System | | | | | | | |
| 203 - Outbound Coach/Shuttle Bus Exam Area & Mobile X-ray Operation Area | | | | | | | | |
| ER5770 | Radiation Screen Wall Construction | | | | | | | |
| External Works | | | | | | | | |
| Additional Works (Filling & RE Slope), SA1 | | | | | | | | |
| ED3120 | Approval of RE Slope by GEO/AECOM | | | | | | | |
| ED3210 | C1 Contractor to Completed cooling mains at east Portion (Stage1) | | | | | | | |
| ED3220 | Removal of Access & Form another Temp. Access for Cooling Main | | | | | | | |
| ED3260 | Consolidation of fill at the Platform | | | | | | | |
| ED3270 | Remove surcharge at the edge of Platform (North, Portion S, KD32) | | | | | | | |
| ED3280 | Remove surcharge at the Platform (East, Portion T, KD33) | | | | | | | |
| ED3310 | C1 Contractor to Complete Footbridge Supports at the South Portion | | | | | | | |
| ED3320 | Fill Platform from +11.5PD to near PCB (South) | | | | | | | |
| ED3330 | Add surcharge to Platform at +14.5mPD near PCB (South) | | | | | | | |
| Construction of Slopes | | | | | | | | |
| ED3510 | Footing for the Planter Wall, RE slope (West) | | | | | | | |
| ED3520 | Construct RE slope (West) | | | | | | | |
| ED3550 | Construction of fill slope (North) | | | | | | | |
| Drainage Works | | | | | | | | |
| ED4370 | Drainage Works (1477m & 81MHs), Stage 1 (Eastern) | | | | | | | |
| ED4490 | Sewerage (78m & 2MHs), Stage 1 (Eastern) | | | | | | | |
| Waterpipe Laying | | | | | | | | |
| EW4380 | Fresh Water Main Laying (608m), Stage 1 (Eastern) | | | | | | | |
| EW4390 | Flushing Water Main Laying (13m), Stage 1 (Eastern) | | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | | |
| EU5450 | Duct & Cable Laying for TCSS & Lighting | | | | | | | |
| Canopy and Covered Walkway | | | | | | | | |
| CC1400 | Shop drawing, Approved & Fabrication | | | | | | | |
| PORTION N | | | | | | | | |
| Portion N Structure | | | | | | | | |
| Box Culvert B | | | | | | | | |
| Bored Pile | | | | | | | | |
| SB0560 | Install H-piles | | | | | | | |
| SB0590 | Box B - Bore Pile (20 nos.) | | | | | | | |
| Box Culvert Structure | | | | | | | | |
| SB0710 | Box B - Construction (Stage 1) | | | | | | | |
| SB0715 | Handover from RC (1/11/16) | | | | | | | |
| ◆ Handover from RC (1/11/16) | | | | | | | | |
| Actual Work | | THREE MONTH ROLLING PROGRAMME | | | Date | Revision | Checked | Approved |
| Remaining Work | | VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES | | | 30-Sep-16 | 3MRP updated as of 30 Sep. 2016 | ZJ | |
| Critical | | Page 16 of 18 | | | 31-Oct-16 | 3MRP updated as of 30 Oct. 2016 | ZJ | |
| ◆ Milestone | | | | | 30-Nov-16 | 3MRP updated as of 30 Nov. 2016 | ZJ | |
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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | | | | 14-Dec-16 | | |
|--|---|---|--|------|-----|-----------|-----|-----|
| Activity ID | | Activity Name | | 2016 | | 2017 | | |
| | | | | Nov | Dec | Jan | Feb | Mar |
| | SB0722 | Box B - Temporary Works for Construction of Outfall Structure | | | | | | |
| Portion N Buildings | | | | | | | | |
| 104 DOH Screening Station, at Portion N | | | | | | | | |
| Facade Envelop Structure Installation | | | | | | | | |
| D10410 | Shop Drawing Submission and Approval | | | | | | | |
| D10415 | Fabrication of F/C System | | | | | | | |
| 106 C&ED Detention Area Guard Booth | | | | | | | | |
| A10600 | Excavation + Blinding | | | | | | | |
| A10610 | Structure (Raft Foundation) | | | | | | | |
| A10640 | Finishing | | | | | | | |
| E10640 | BS for Office Accommodations (KD9) | | | | | | | |
| E10660 | Other BS + E & M Installation | | | | | | | |
| Facade Envelop Structure Installation | | | | | | | | |
| B10610 | Shop Drawing Submission and Approval | | | | | | | |
| B10615 | Fabrication of F/C System | | | | | | | |
| 107 C&ED Mobile X-ray Operation Office, Portion N | | | | | | | | |
| A10700 | Excavation + Blinding | | | | | | | |
| A10710 | Substructure (Raft Foundation) | | | | | | | |
| A10740 | Super Structure | | | | | | | |
| HPL Composite Panel Cladding System | | | | | | | | |
| B10710 | Shop Drawing Submission and Approval | | | | | | | |
| B10720 | Fabrication of HPL Composite Panel System | | | | | | | |
| 200 - Inbound/Outbound Vehicle Dectection Area | | | | | | | | |
| ER5810 | Construction of the Area and Access to the Interface Contractor | | | | | | | |
| 202 - Outbound Cargo Mobile X-ray Opeartion Area | | | | | | | | |
| ER5790 | Radiation Screen Wall Construaction | | | | | | | |
| External Works for Portion N | | | | | | | | |
| Works in Location 1.7A | | | | | | | | |
| EU1540 | ELV Works & T&C in Location 1.7A | | | | | | | |
| Drainage Works | | | | | | | | |
| AS0150 | Initial Survey | | | | | | | |
| ED4620 | Drainage Works (964m & 56MHs), Stage 1 (Southern) | | | | | | | |
| ED4650 | Sewerage (383m & 12MHs), Stage 1 (Southern) | | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | | |
| EU5470 | Duct & Cable Laying for TCSS & Lighting | | | | | | | |
| PORTION P | | | | | | | | |
| Portion Structure | | | | | | | | |
| Retaining Wall RW1 | | | | | | | | |
| RW1110 | Construction of Retaining Wall RW1 (U-shape, 5 bays) | | | | | | | |
| Portion P Buildings | | | | | | | | |
| 105 IMMD Guard Booth, Portion P | | | | | | | | |
| A10510 | Excavation + Blinding | | | | | | | |
| A10520 | Substructure (Raft Foundation) | | | | | | | |
| A10530 | On Grade Ground Slab | | | | | | | |
| A10540 | Finishing | | | | | | | |
| E10500 | BS for Office Accommodations (KD9) | | | | | | | |
| E10510 | BS + E&M for Office Accommodation (KD10) | | | | | | | |
| E10520 | Other BS + E & M Installation | | | | | | | |
| Facade Envelop Structure Installation | | | | | | | | |

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 |
|-----------|---------------------------------|---------|----------|
| 30-Sep-16 | 3MRP updated as of 30 Sep. 2016 | ZJ | |
| 31-Oct-16 | 3MRP updated as of 30 Oct. 2016 | ZJ | |
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| HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities | | | 14-Dec-16 | | | | |
|--|--|--------------------------------------|-----------|------|-----|-----|--|
| Activity ID | Activity Name | 2016 | | 2017 | | | |
| | | Nov | Dec | Jan | Feb | Mar | |
| | A10560 | Shop Drawing Submission and Approval | | | | | |
| | A10565 | Fabrication of F/C System | | | | | |
| External Works for Portion P | | | | | | | |
| Drainage Works | | | | | | | |
| AS0160 | Initial Survey | | | | | | |
| ED4670 | Drainage Works (2957m & 128MHs) | | | | | | |
| ED4790 | Sewerage (269m & 7MHs) | | | | | | |
| Waterpipe Laying | | | | | | | |
| EW4680 | Fresh Water Main Laying (1270m) | | | | | | |
| EW4690 | Flushing Water Main Laying (455m) | | | | | | |
| PORTION Q | | | | | | | |
| External Works for Portion Q | | | | | | | |
| Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting | | | | | | | |
| ED5570 | Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV | | | | | | |
| ED5580 | Duct & Cable Laying for TCSS & Lighting | | | | | | |
| EU1490 | ELV System Installation for Contract HY/2013/04 | | | | | | |
| Roadworks | | | | | | | |
| AS0170 | Initial Survey | | | | | | |
| ER4920 | Subbase (104 ton) | | | | | | |
| ER4950 | Bitumen Pavement (215 ton) | | | | | | |
| Railing | | | | | | | |
| ER4890 | Railing | | | | | | |
| Road Furniture | | | | | | | |
| ER4900 | Road Furniture | | | | | | |
| PORTION R | | | | | | | |
| Portion R Building | | | | | | | |
| 002 - C&ED Observation Guard Booth, Portion R | | | | | | | |
| D00210 | Excavation + Blinding | | | | | | |
| D00220 | Raft Foundation | | | | | | |
| D00230 | Superstructure | | | | | | |
| External Works for Portion R | | | | | | | |
| Drainage Works | | | | | | | |
| AS0180 | Initial Survey | | | | | | |
| Landscape Works | | | | | | | |
| A5170 | Design and Procurement for Irrigation System | | | | | | |
| A5180 | Installation of Irrigation System | | | | | | |
| A5190 | All landscape Soft & Hard Works | | | | | | |















































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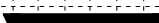





























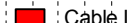

























































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| Contract No.: HY/2013/06 | | | Detail Work Programme | | | | | | | | | | | | | | | | Page 5 of 14 | | | | |
|---|---|---|--|----|----|--|----|----|----|------|---|---|----|------|----|-------------------|---------------------|---------------|----------------|---|--|--|--|
| Activity ID | Activity Name | | 2015 | | | 2016 | | | | 2017 | | | | 2018 | | | | 2019 | | 3 | | | |
| | | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | | | | |
| |  | A1390 | Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d) | | | | | | | | ◆ Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d), 17-Sep-16* | | | | | | | | | | | | |
| |  | A1400 | Location 16(Outbd Traffic Control Kiosk (101))-Deg2 (480d) | | | | | | | | ◆ Location 16(Outbd Traffic Control Kiosk (101))-Deg2 (480d), 06-Dec-16* | | | | | | | | | | | | |
| |  | A1410 | Location 17(Inbd Private Car Exam Bldg(033))-Deg1 (-) | | | | | | | | ◆ Location 17(Inbd Private Car Exam Bldg(033))-Deg1 (-), 01-Dec-16* | | | | | | | | | | | | |
| |  | A1420 | Location 17(Inbd Private Car Exam Bldg(033))-Deg2 (550d) | | | | | | | | ◆ Location 17(Inbd Private Car Exam Bldg(033))-Deg2 (550d), 14-Feb-17* | | | | | | | | | | | | |
| |  | A1430 | Location 18(Outbd Private Car Exam Bldg(024))-Deg1 (-) | | | | | | | | ◆ Location 18(Outbd Private Car Exam Bldg(024))-Deg1 (-), 14-Jun-17* | | | | | | | | | | | | |
| |  | A1440 | Location 18(Outbd Private Car Exam Bldg(024))-Deg2 (670d) | | | | | | | | ◆ Location 18(Outbd Private Car Exam Bldg(024))-Deg2 (670d), 14-Jun-17* | | | | | | | | | | | | |
| |  | A1450 | Location 19(DOH Cargo Clearance Bldg(043))-Deg1 (-) | | | | | | | | ◆ Location 19(DOH Cargo Clearance Bldg(043))-Deg1 (-), 14-Feb-17* | | | | | | | | | | | | |
| |  | A1460 | Location 19(DOH Cargo Clearance Bldg(043))-Deg2 (550d) | | | | | | | | ◆ Location 19(DOH Cargo Clearance Bldg(043))-Deg2 (550d), 14-Feb-17* | | | | | | | | | | | | |
| |  | A1461 | Underground Ducting between Inbd Cargo Exam Bldg (037) and DOH Cargo Clearance Bldg (043) and CUE | | | | | | | | ◆ Underground Ducting between Inbd Cargo Exam Bldg (037) and DOH Cargo Clearance Bldg (043) and CUE, 29-Jun-16* | | | | | | | | | | | | |
| |  | A1462 | Underground Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clearance Plaza | | | | | | | | ◆ Underground Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clearance Plaza, 29-Jun-16* | | | | | | | | | | | | |
| |  | A1463 | Underground Ducting between CUE and Outbd Car Exam Bldg (023) | | | | | | | | ◆ Underground Ducting between CUE and Outbd Car Exam Bldg (023), 29-Jun-16* | | | | | | | | | | | | |
| |  | A1464 | Underground Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle Clearance Plaza | | | | | | | | ◆ Underground Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle Clearance Plaza, 29-Jun-16* | | | | | | | | | | | | |
| |  | A1465 | Underground Ducting between CUE and Outbd Vehicle Clearance Plaza | | | | | | | | ◆ Underground Ducting between CUE and Outbd Vehicle Clearance Plaza, 29-Jun-16* | | | | | | | | | | | | |
| |  | A1466 | Underground Ducting between CUE and Inbd P. Car Annex (025) and Shuttle Bus Kiosks (006) | | | | | | | | ◆ Underground Ducting between CUE and Inbd P. Car Annex (025) and Shuttle Bus Kiosks (006), 13-Aug-16* | | | | | | | | | | | | |
| |  | A1467 | Underground Ducting between PCB(001) and Inbd Coach Kiosks(010) | | | | | | | | ◆ Underground Ducting between PCB(001) and Inbd Coach Kiosks(010), 13-Aug-16* | | | | | | | | | | | | |
| |  | A1468 | Underground Ducting between CUE and Outbd PCA (032) | | | | | | | | ◆ Underground Ducting between CUE and Outbd PCA (032), 13-Aug-16* | | | | | | | | | | | | |
| |  | A1478 | Inbound Vehicle Clearance Plaza (Assume same as Location 3) | | | | | | | | ◆ Inbound Vehicle Clearance Plaza (Assume same as Location 3), 14-Feb-17* | | | | | | | | | | | | |
| |  | A1488 | Outbound Vehicle Clearance Plaza (Assume same as Location 4 degree 1 + 51 day) | | | | | | | | ◆ Outbound Vehicle Clearance Plaza (Assume same as Location 4 degree 1 + 51 day), 17-Mar-17, Interfaces/Provisions | | | | | | | | | | | | |
| |  Interfaces Provisions | | | | | | | | | | | | | | | | | | | | | | |
| |  | A7000 | Inbound VID foundation and mounting structure (assume same as Access date of Inbound Vehicle Clearance Plaza) | | | | | | | | | ◆ Inbound VID foundation and mounting structure (assume same as Access date of Inbound Vehicle Clearance Plaza), 14-Feb-17* | | | | | | | | | | | |
|  | A7010 | Inbound VTS foundation and mounting poles (assume same as Access date of Inbound Vehicle Clearance Plaza) | | | | | | | | | ◆ Inbound VTS foundation and mounting poles (assume same as Access date of Inbound Vehicle Clearance Plaza), 14-Feb-17* | | | | | | | | | | | | |
|  | A7020 | Inbound TLS foundation and mounting poles (assume same as Access date of Inbound Vehicle Clearance Plaza) | | | | | | | | | ◆ Inbound TLS foundation and mounting poles (assume same as Access date of Inbound Vehicle Clearance Plaza), 14-Feb-17* | | | | | | | | | | | | |
|  | A7030 | Outbound VID foundation and mounting structure (assume same as Access date of Outbound Vehicle Clearance Plaza) | | | | | | | | | ◆ Outbound VID foundation and mounting structure (assume same as Access date of Outbound Vehicle Clearance Plaza), 14-Feb-17* | | | | | | | | | | | | |
|  | A7040 | Outbound VTS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza) | | | | | | | | | ◆ Outbound VTS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza), 14-Feb-17* | | | | | | | | | | | | |
|  | A7050 | Outbound TLS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza) | | | | | | | | | ◆ Outbound TLS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza), 14-Feb-17* | | | | | | | | | | | | |
|  WA4 Site Erection & Servicing | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1740 | Possession of Site | | | | | | | | | ◆ Possession of Site, 14-Aug-15* | | | | | | | | | | | | |
|  | A1750 | Method Statement & Drawing | | | | | | | | | ◆ Method Statement & Drawing, 14-Aug-15* | | | | | | | | | | | | |
|  | A1760 | Place Order to prepare materials | | | | | | | | | ◆ Place Order to prepare materials, 14-Aug-15* | | | | | | | | | | | | |
|  | A1770 | Review, revise and approve method statement | | | | | | | | | ◆ Review, revise and approve method statement, 14-Aug-15* | | | | | | | | | | | | |
|  | A1780 | Equipment mobilization and construction material delivered to the site | | | | | | | | | ◆ Equipment mobilization and construction material delivered to the site, 14-Aug-15* | | | | | | | | | | | | |
|  | A1790 | Set up the alignment and level of the u-channel | | | | | | | | | ◆ Set up the alignment and level of the u-channel, 14-Aug-15* | | | | | | | | | | | | |
|  | A1800 | Trial pit excavation | | | | | | | | | ◆ Trial pit excavation, 14-Aug-15* | | | | | | | | | | | | |
|  | A1801 | Excavation for chain-link fence footing | | | | | | | | | ◆ Excavation for chain-link fence footing, 14-Aug-15* | | | | | | | | | | | | |
|  | A4540 | Underground Utility detection | | | | | | | | | ◆ Underground Utility detection, 14-Aug-15* | | | | | | | | | | | | |
|  | A4550 | Delivery of asphalt and fencing materials | | | | | | | | | ◆ Delivery of asphalt and fencing materials, 14-Aug-15* | | | | | | | | | | | | |
|  | A4560 | Trimming and leveling soil surface for paving asphalt material | | | | | | | | | ◆ Trimming and leveling soil surface for paving asphalt material, 14-Aug-15* | | | | | | | | | | | | |
|  | A4570 | Remove the vegetation and lose material on the soil surface by backhoe | | | | | | | | | ◆ Remove the vegetation and lose material on the soil surface by backhoe, 14-Aug-15* | | | | | | | | | | | | |
|  | A4580 | Set out the alignment and level of the u-channel | | | | | | | | | ◆ Set out the alignment and level of the u-channel, 14-Aug-15* | | | | | | | | | | | | |
| Programme No.: HZMB-DWP Data Date: 14-Aug-15 | | |  Actual Level of Effort  Actual Work  Remaining Work  Critical Remaining Work ◆ Milestone summary | | | Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS) | | | | |  | | | | | Date 14-Nov-16 | Revision Rev.: 0 | Checked WC | Approved LC | | | | |

| Contract No.: HY/2013/06 | | | Detail Work Programme | | | | | | | | | | Page 6 of 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--|--|--|--|--|--|--|--|--|--|--------------|--|--|----|----|------|----|----|----|------|----|----|----|------|---|----|----|------|----|---|--|--|--|--|--|--|-------------------|--|---------------------|--|---------------|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Activity ID | | Activity Name | | | | | | | | | | | | | 2015 | | | 2016 | | | | 2017 | | | | 2018 | | | | 2019 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4590 | Installation of fencing post along the site boundary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4600 | Excavation for underground drainage pipe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4610 | Evenly spread the asphalt scrap material by backhoe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4620 | Cast concrete for the u-channel and underground drainage pipe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4630 | Remove the u-channel framework | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4640 | Installation of chain-link fencing along the site boundary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4650 | Installation of access doors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4660 | Excavation for drainage ditch | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4670 | Cast concrete for the drainage ditch | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4680 | Compact the asphalt scrap material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4690 | Land surveying | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4700 | Inspection of chain-link fencing and access doors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4710 | Testing of drains | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4720 | Completion of the works | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  Detailed Design Specification | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A1808 | Preliminary System Proposal Submission | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A1809 | Engineer's agreement with preliminary system proposal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A1810 | Draft Detailed Design Specification (DDS) Submission | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A1814 | Draft Hardware Function Design Specification for Computer system and Network system (HFD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A1815 | Draft Software Function Design Specification for Computer system and Network system (SFD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1820 | Engineer's Review and Approval for Draft Detailed Design Specification (DDS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1823 | Engineer's Review and Approval for Draft Hardware FDS for Computer system and Network system (HFD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1824 | Engineer's Review and Approval for Draft Software FDS for Computer system and Network system (SFD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1829 | Interface Requirements for CED (LBS, CED IT Server, Metro-Ethernet) and IMMD (AVCS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1830 | Final DDS Submission (AVCSS,VTS,VIDS)(Phase 1/Section I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1831 | Development of System Security Plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1840 | Engineer's Review and Approval for Final DDS Submission including System Security Plan (AVCSS)(Phase 1/Section I) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1850 | Final DDS Submission (AVCSS)(Phase 2/Section II&III) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A1860 | Engineer's Review and Approval for DDS Submission (AVCSS)(Phase 2/Section II&III) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  Contruction Design and Management | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A6920 | Construction Health and Safety Plan Submission | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A6930 | Construction Health and Safety Plan reviewed by Engineer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  Supply/Manufacture Mock-up items | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A4749 | Preparation of Kiosk equipment Mock-up | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A4750 | Installation of Kiosk equipment Mock-up | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  Supply/Manufacture prototypes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A2900 | Manufacture LED Display Prototype (VID, ODB and XDB) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A2910 | Manufacture All-In-One Panel Prototype (AIOP) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  Software Design, Coding and Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Programme No.: HZMB-DWP Data Date: 14-Aug-15 | | |  Actual Level of Effort  Actual Work  Remaining Work  Critical Remaining Work  Milestone  summary | | | | | | | | | | | | Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS) | | | | | | | | | | | |  | | | | | | | | | | | | Date 14-Nov-16 | | Revision Rev.: 0 | | Checked WC | | Approved LC | | | | | | | | | | | | | | | | | | |















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|---|---|--|--|----|----|------|----|----|----|------|---|---|----|------|-----------|----------|---------|----------|--------------|---|--|--|
| Activity ID | Activity Name | | 2015 | | | 2016 | | | | 2017 | | | | 2018 | | | | 2019 | | 3 | | |
| | | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | | | |
|  A4370 | Engineer's Approval for FAT Report Submission | | | | | | | | | |  | Engineer's Approval for FAT Report Submission | | | | | | | | | | |
|  | Supply/Manufacture Equipment | | | | | | | | | |  | 10-Feb-17, Supply/Manufacture Equipment | | | | | | | | | | |
|  A6830 | Supply/Manufacture LED (ODB, VID and XDB) Display for installation | | | | | | | | | |  | Supply/Manufacture LED (ODB, VID and XDB) Display for installation | | | | | | | | | | |
|  A6840 | Supply/Manufacture AIOP for installation | | | | | | | | | |  | Supply/Manufacture AIOP for installation | | | | | | | | | | |
|  | Delivery and Bench Acceptance Test for Phase 1/ Section I | | | | | | | | | |  | 21-Feb-17, Delivery and Bench Acceptance Test for Phase 1/ Section I | | | | | | | | | | |
|  A6740 | Material On-Site for Phase 1/Section I | | | | | | | | | |  | Material On-Site for Phase 1/Section I | | | | | | | | | | |
|  A6750 | Material Bench Acceptance Test for Phase 1/Section I | | | | | | | | | |  | Material Bench Acceptance Test for Phase 1/Section I | | | | | | | | | | |
|  A6850 | Cable On-Site for Phase 1/Section I | | | | | | | | | |  | Cable On-Site for Phase 1/Section I | | | | | | | | | | |
|  A6960 | AIOP On-Site for Phase 1/Section I | | | | | | | | | |  | AIOP On-Site for Phase 1/Section I | | | | | | | | | | |
|  A6970 | AIOP Bench Acceptance Test for Phase 1/Section I | | | | | | | | | |  | AIOP Bench Acceptance Test for Phase 1/Section I | | | | | | | | | | |
|  A6980 | LED (ODB, VID and XDB) On-Site for Phase 1/Section I | | | | | | | | | |  | LED (ODB, VID and XDB) On-Site for Phase 1/Section I | | | | | | | | | | |
|  A6990 | LED (ODB, VID and XDB) Bench Acceptance Test for Phase 1/Section I | | | | | | | | | |  | LED (ODB, VID and XDB) Bench Acceptance Test for Phase 1/Section I | | | | | | | | | | |
|  | Installation - Phase 1 / Section I | | | | | | | | | |  | 29-Jun-17, Installation - Phase 1 / Section I | | | | | | | | | | |
|  | Location 1(PCB (001) Basement) | | | | | | | | | |  | 14-Nov-16, Location 1(PCB (001) Basement) | | | | | | | | | | |
|  A3081 | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | |  | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | | |
|  | Location 1(PCB (001) ELV Room (Grid Line E3)) | | | | | | | | | |  | 14-Nov-16, Location 1(PCB (001) ELV Room (Grid Line E3)) | | | | | | | | | | |
|  A3101 | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | |  | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | | |
|  | Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) | | | | | | | | | |  | 14-Nov-16, Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) | | | | | | | | | | |
|  A3121 | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | |  | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | | |
|  | Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD)) | | | | | | | | | |  | 30-Mar-17, Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD)) | | | | | | | | | | |
|  A2041 | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | |  | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | | |
|  A2042 | Cable Testing | | | | | | | | | |  | Cable Testing | | | | | | | | | | |
|  A2043 | Intercom and PA system Installation | | | | | | | | | |  | Intercom and PA system Installation | | | | | | | | | | |
|  A2044 | Intercom and PA system tuning | | | | | | | | | |  | Intercom and PA system tuning | | | | | | | | | | |
|  | Location 2(PCB (001) First Floor Main Server Room) | | | | | | | | | |  | 03-Apr-17, Location 2(PCB (001) First Floor Main Server Room) | | | | | | | | | | |
|  A2001 | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | |  | Cable Laying and termination at Location 1 and Location 2 | | | | | | | | | | |
|  A2002 | Cable Testing | | | | | | | | | |  | Cable Testing | | | | | | | | | | |
|  A2003 | AVCSS Network and Server Installation | | | | | | | | | |  | AVCSS Network and Server Installation | | | | | | | | | | |
|  A2004 | AVCSS Network and Server Tuning | | | | | | | | | |  | AVCSS Network and Server Tuning | | | | | | | | | | |
|  | Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129) | | | | | | | | | |  | 22-May-17, Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129) | | | | | | | | | | |
|  A3241 | Cable Laying and termination in Location 3 and Location 3a | | | | | | | | | |  | Cable Laying and termination in Location 3 and Location 3a | | | | | | | | | | |
|  A3242 | AVCSS SURCON WS and 55" LCD Installation | | | | | | | | | |  | AVCSS SURCON WS and 55" LCD Installation | | | | | | | | | | |
|  A3243 | VTS WS Installation | | | | | | | | | |  | VTS WS Installation | | | | | | | | | | |
|  A3245 | SURCON, WS Tuning | | | | | | | | | |  | SURCON, WS Tuning | | | | | | | | | | |
|  | Location 3(Inbd Cargo Exam Bldg (037) ELV Room) | | | | | | | | | |  | 09-Jan-17, Location 3(Inbd Cargo Exam Bldg (037) ELV Room) | | | | | | | | | | |
|  A3210 | Cable Laying and termination between Location 3 and CUE | | | | | | | | | |  | Cable Laying and termination between Location 3 and CUE | | | | | | | | | | |
|  | Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room) | | | | | | | | | |  | 22-May-17, Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room) | | | | | | | | | | |
|  A2071 | Cable Laying and termination in Location 3 and Location 3a | | | | | | | | | |  | Cable Laying and termination in Location 3 and Location 3a | | | | | | | | | | |
|  A2072 | AVCSS SYSCON WS and 55" TV Wall Installation | | | | | | | | | |  | AVCSS SYSCON WS and 55" TV Wall Installation | | | | | | | | | | |
|  A2074 | AVCSS SYSCON WS Tuning | | | | | | | | | |  | AVCSS SYSCON WS Tuning | | | | | | | | | | |
|  | Location 3(Inbd Cargo Exam Bldg (037) MDF Room) | | | | | | | | | |  | 09-Jan-17, Location 3(Inbd Cargo Exam Bldg (037) MDF Room) | | | | | | | | | | |
|  A3190 | Cable Laying and termination between Location 3 and CUE | | | | | | | | | |  | Cable Laying and termination between Location 3 and CUE | | | | | | | | | | |
|  | Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room) | | | | | | | | | |  | 22-May-17, Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room) | | | | | | | | | | |
|  A2091 | Cable Laying and termination in Location 3 and Location 3a | | | | | | | | | |  | Cable Laying and termination in Location 3 and Location 3a | | | | | | | | | | |
|  A2092 | AVCSS SYSCON,SURCON and Intercom Installation | | | | | | | | | |  | AVCSS SYSCON,SURCON and Intercom Installation | | | | | | | | | | |
| Programme No.: HZMB-DWP | |  Actual Level of Effort  Actual Work  Remaining Work  Critical Remaining Work  Milestone  summary | Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS) | | | | | | | |  | | | | Date | Revision | Checked | Approved | | | | |
| Data Date: 14-Aug-15 | | | | | | | | | | | | | | | 14-Nov-16 | Rev.: 0 | WC | LC | | | | |








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| Activity ID | | Activity Name | | | | | | | | | | | | | 2015 | | | | 2016 | | | | 2017 | | | | 2018 | | | | 2019 | | 3 | | | | | |
| | | | | | | | | | | | | | | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | | | | | | | |
| <div></div> | <div></div> | A2093 | VTS WS Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A2094 | VID WS Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A2096 | SURCON, SYSCON, WS Tuning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Location 3a(Inbnd Cargo Exam Bldg Main Server Room) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3330 | Cable Laying and termination in Location 3 and Location 3a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3340 | AVCSS Server Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3350 | VTS Server Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3360 | Servers Tuning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Location 4(Outbnd Cargo Exam Bldg (023) MDF Room) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3410 | Cable Laying and termination between CUE and Location 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Location 4 and 4a(Outbnd Cargo Exam Bldg (023) ROCARS Room) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3370 | Cable Laying and termination in Location 4 and 4a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3380 | AVCSS SYSCON, SURCON and Intercom Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3390 | VTS WS Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3400 | SYSCON, SURCON, WS Tuning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Location 5(Common Utility Enclosure & Staff Subway) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3430 | Cable Laying between Location 5 and Location 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3440 | Cable Laying between Location 5 and Location 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3480 | ODB Switch Installation at EL Room 2-7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Location 6(Common Utility Enclosure & Staff Subway) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3450 | Cable Laying between Location 5 and Location 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3490 | ODB Switch Installation at EL Room 8-9,11-12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Location 7(Common Utility Enclosure & Staff Subway) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | A3470 | Cable Laying between Location 5 and Location 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Location 12(Inbnd Private Car Kiosks,GV Kiosks (027,028,029)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Inbnd Private Car Kiosks(027) - 9 nos (Phase 1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | <div></div> | A2452 | Cable Containment in Kiosks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | <div></div> | A2453 | Cable Laying and termination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | <div></div> | A2454 | Cable Splicing, Testing and Labeling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | <div></div> | A2460 | AVCSS/DOH/MOM Kiosk Equipment Installation (9 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | <div></div> | A2470 | ODB & XDB installation (9 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | <div></div> | A4380 | Inbnd Private Car Kiosk Installation Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Inbnd Goods Vehicle Kiosks(028) - 5 nos (Phase 1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | <div></div> | A2532 | Cable Containment in Kiosks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | <div></div> | A2533 | Cable Laying and termination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | <div></div> | A2534 | Cable Splicing, Testing and Labeling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div></div> | A2540 | AVCSS/DOH/MOM Kiosk Equipment Installation (5 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div></div> | A2550 | AIOP Installation (5 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div></div> | A2560 | ODB & XDB installation (5 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div></div> | A4390 | Inbnd Goods Vehicle Kiosks Installation Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | Outbnd Goods Vehicle Kiosks(029) - 5 nos (Phase 1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div></div> | A2572 | Cable Containment in Kiosks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div></div> | A2573 | Cable Laying and termination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div></div> | A2574 | Cable Splicing, Testing and Labeling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div></div> | A2580 | AVCSS/DOH/MOM Kiosk Equipment Installation (5 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Programme No.: HZMB-DWP | | | <div></div> Actual Level of Effort | | | | | | | | | | | | <div></div> ATAL | | | | | | | | | | | | Date | | Revision | | Checked | | Approved | | | | | |
| Data Date: 14-Aug-15 | | | <div></div> Actual Work | | | | | | | | | | | | | | | | | | | | | | | | 14-Nov-16 | | Rev.: 0 | | WC | | LC | | | | | |
| | | | <div></div> Remaining Work | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <div></div> Critical Remaining Work | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <div></div> Milestone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <div></div> summary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Contract No.: HY/2013/06 | | | Detail Work Programme | | | | | | | | | | Page 10 of 14 | | | | | | | | | | | | | | | | | | |
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| Activity ID | | Activity Name | | | | | | | | | | | 2015 | | | | 2016 | | | | 2017 | | | | 2018 | | | | 2019 | | 3 |
| | | | | | | | | | | | | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | | |
| | | <div><div></div></div> A2590 AIOP Installation (5 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A2600 ODB & XDB installation (5 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4400 Outbd Goods Vehicle Kiosks Installation Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> Location 13(Outbd Private Car Kiosks (030)) - 9 nos (Phase 1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3582 Cable Containment in Kiosks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3583 Cable Laying and termination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3584 Cable Splicing, Testing and Labeling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3590 AVCSS/DOH/MOM Kiosk Equipment Installation (9 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3600 ODB & XDB installation (9 nos) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4410 Outbd Private Car Kiosks Installation Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> Location 14(Future-Outbd/Inbd Private Car Kiosks) - 6+6 nos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A2441 Cable Laying and termination at ELV Room in CUE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> Location 15(Inbd Traffic Control Kiosk (100)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3651 Cable Laying and termination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3652 AVCSS SYSCON, SURCON Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3660 VTS WS and 55" LCD Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3670 SYSCON, SURCON, WS Tuning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> Location 16(Outbd Traffic Control Kiosk (101)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3701 Cable Laying and termination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3702 AVCSS SYSCON, SURCON Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3710 VTS WS and 55" LCD Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> Location 17(Inbd Private Car Exam Bldg(033) Operational Office) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3750 Cable Laying and termination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3760 AVCSS SURCON and 55" LCD Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3770 SURCON Tuning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> Location 18 (Outbd Private Car Exam Bldg(024) Operational Office) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3780 Cable Laying and termination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A3790 AVCSS SURCON and 55" LCD Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> Location 19 (DOH Cargo Clearance Bldg(043)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A2111 Cable Laying and termination between Location 19 and CUE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A2112 Cable Laying in Location 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A2113 PA and Intercom Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A2123 PA and Intercom Tuning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> Inbd Vehicle Clearance Plaza - 8 nos VID, 7 nos VTS, 4 nos TLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4050 Inbound VID cabling from pillar box to VID field equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4052 Inbound VTS cabling from pillar box to VTS field equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4054 Inbound TLS cabling from pillar box to TLS field equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4060 Inbound VID field equipment installation (8 VID) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4062 Inbound VTS field equipment installation (4 RFID + 3 Cameras) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4064 Inbound TLS field equipment installation (4 TLS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4066 Inbound VID, VTS and TLS field equipment tuning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> Outbd Vehicle Clearance Plaza - 8 nos VID, 6 nos VTS, 4 nos TLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4110 Outbound VID cabling from pillar box to VID field equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4120 Outbound VTS cabling from pillar box to VTS field equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <div><div></div></div> A4130 Outbound TLS cabling from pillar box to TLS field equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-------------------------|---|--|-----------------------------|-----------|----------|---------|----------|
| Programme No.: HZMB-DWP | <div><div></div> Actual Level of Effort</div> | Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS) | <div><div></div> ATAL</div> | Date | Revision | Checked | Approved |
| Data Date: 14-Aug-15 | <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Critical Remaining Work</div> <div><div></div> Milestone</div> <div><div></div> summary</div> | | | 14-Nov-16 | Rev.: 0 | WC | LC |

| Contract No.: HY/2013/06 | | | Detail Work Programme | | | | | | | | | | Page 11 of 14 | | | | | | | | | |
|--------------------------|-------------------|--|--|--|----|------|----|----|----|------|------------------|----|---------------|------|----|-----------|----------|---------|----------|---|--|--|
| Activity ID | Activity Name | | 2015 | | | 2016 | | | | 2017 | | | | 2018 | | | | 2019 | | 3 | | |
| | | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | | | |
| <div></div> | <div></div> A4140 | Outbound VID field equipment installation (8 VID) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A4150 | Outbound VTS field equipment installation (3 RFID + 3 Cameras) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A4170 | Outbound TLS field equipment installation (4 TLS) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A4180 | Outbound VID, VTS and TLS field equipment tuning | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Underground Ducting between Inbd Cargo Exam Bldg (037) and CUE | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A3810 | Cable Laying and termination (note: Access Date by C03) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Underground Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clearance Plaza | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A3830 | Cable Laying and termination (note: Access Date by C03) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Underground Ducting between CUE and Outbd Car Exam Bldg (023) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A3850 | Cable Laying and termination (note: Access Date by C03) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Underground Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle Clearance Plaza | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A3870 | Cable Laying and termination (note: Access Date by C03) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Underground Ducting between CUE and Outbd Vehicle Clearance Plaza | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A3890 | Cable Laying and termination (note: Access Date by C03) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | On-Site Test and Commissioning (Phase 1 / Section I) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A2150 | Testing & Commissioning Documents Submission (8 weeks before Testings carried out) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A2151 | Engineer Approval for T&C Document | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A2152 | Joint Site Inspection for Permanent Power/Tele-communication for Initial on-site testing | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A2153 | Initial on-site Testing & Commissioning | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Site Acceptance Test (Phase 1 / Section I) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A6601 | Interface Readiness CED(LBS, CED IT, Metro-Ethernet) and IMMD (AVS) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A6602 | SAT for AVCSS | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A6603 | SAT for Location 18 (AVCSS SURCON and 55" LCD) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A6630 | SAT Test Document Submission | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A6640 | Software Manual Documentations Submission | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Security Risk Assessment and Audit | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A6800 | SRAA (Assessment) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A6810 | Fix per SRAA Assessment | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A6820 | SRAA Audit | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Operability Period Test (Phase 1 / Section I) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A5610 | Joint Site Inspection for utilities, telecom connection and metro ethernet for OPT | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A5620 | Operability Period Test (OPT) Phase 1 | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A5650 | Operability Period Test (OPT) Phase 2 | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Completion (Phase 1 /Section I) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A2230 | AVCSS - Certificate of Completion (Phase 1/Section I) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A2231 | Certificate of Completion Approval by Engineer | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Training and Document (Phase 1 /Section I) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A2180 | Training Materials & Documentation Submission | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A2190 | Operation and Maintenance Training | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Operation (Phase 1 /Section I) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> A2240 | Site Operation (Phase 1/Section I) | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | Engineering Support for Phase 1 / Section I | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Programme No.: HZMB-DWP | | | <div></div> Actual Level of Effort <div></div> Actual Work <div></div> Remaining Work <div></div> Critical Remaining Work <div></div> Milestone <div></div> summary | Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS) | | | | | | | <div></div> ATAL | | | | | Date | Revision | Checked | Approved | | | |
| Data Date: 14-Aug-15 | | | | | | | | | | | | | | | | 14-Nov-16 | Rev.: 0 | WC | LC | | | |

| Contract No.: HY/2013/06 | | | Detail Work Programme | | | | | | | | | | Page 14 of 14 | | | | | | | | | | | | | | | | | | | |
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| Activity ID | | Activity Name | | | | | | | | | | | | | 2015 | | | 2016 | | | | 2017 | | | | 2018 | | | | 2019 | | |
| | | | | | | | | | | | | | | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | 3 |
| |  | A2370 | Testing & Commissioning Documents Submission (8 weeks before Testings carried out) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A2371 | Engineer Approval for T&C Document | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A2373 | Initial on-site Testing & Commissioning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A2380 | Site Acceptance Test (SAT) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A2390 | Operation Acceptance Test (OPT) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  Completion (Phase 2 / Section III) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A2400 | AVCSS - Certificate of Completion (Phase 2/Section III) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4330 | Certificate of Completion Approval by Enginner | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  Operation (Phase 2 / Section III) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A2420 | Site Operation (Phase 2/Section II & III) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  Defect Liability Period (DLP) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A2430 | DLP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  Document Submission (Phase 2 / Section III) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | A4340 | As-built Drawings and O&M Manual | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-------------------------|--|--|--|---|-----------|----------|---------|----------|
| Programme No.: HZMB-DWP | |  Actual Level of Effort  Actual Work  Remaining Work  Critical Remaining Work  Milestone  summary | Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS) |  | Date | Revision | Checked | Approved |
| Data Date: 14-Aug-15 | | | | | 14-Nov-16 | Rev.: 0 | WC | LC |

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The logo for MaterialLab, featuring the word "MaterialLab" in a bold, sans-serif font. The "Material" part is in a lighter weight, and "Lab" is in a bolder weight. The text is centered between two thick horizontal black bars.

Report No.: 0165/15/ED/0653

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 | 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. | 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. | 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. | 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 | 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. | 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. | 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. | 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 | 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. | 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. | 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. | 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 | 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. | 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. | 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. | 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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Report No.: 0165/15/ED/0653

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 or 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 Noise (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 officer 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 | Construction and Demolition Material The following mitigation measures should be implemented in handling the waste: <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 ETWBTC (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 | <u>C&D Waste</u> <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 | <u>Chemical Waste</u> <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 | <u>Sewage</u> <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 | <u>General Refuse</u> <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></p> <p>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

Report No.: 0165/15/ED/0653

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 (site audit of 21 October 2016 was cancelled due to hoisting of typhoon signal no. 8 on 21 October 2016 and re-scheduled to 28 October 2016). During the reporting period, 13 site inspections were carried out on 01, 08, 15, 22 and 28 September 2016 (includes Contract No. HY/2013/06 within Contract No. HY/2013/03 works area on 15, 22 and 28 September 2016), 06, 13, 27 and 28 October 2016, and 03, 10, 17 and 25 November 2016.

Particular observations during the site inspections are described below.

For Contract No. HY/2013/03**26 Aug 2016**

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

01 Sept 2016

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

08 Sept 2016

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

15 Sept 2016

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

22 Sept 2016

1. CHEC was reminded to provide drip tray for chemical containers at Bridge A7 Area. Subsequently, additional drip tray was provided for chemical container at Bridge A7 Area. The observation was closed on 28 September 2016.

28 Sept 2016

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Report No.: 0165/15/ED/0653

1. CHEC was reminded to increase watering for dust suppression on site. Subsequently, watering was increased for dust suppression on site. The observation was closed on 06 October 2016.

06 Oct 2016

1. CHEC is reminded to maintain good housekeeping on site (Building 041). Subsequently, good housekeeping was maintained on site (Building 041). The observation was closed on 13 October 2016.

13 Oct 2016

1. CHEC was reminded to remove the stagnant water accumulated at the lifting holes of the precast concretes on site. Subsequently, stagnant water was removed at the lifting holes of the precast concretes on site. The observation was closed on 27 October 2016.

21 Oct 2016

1. Site inspection was cancelled due to hoisting of typhoon signal no. 8 on 21 Oct 2016 and re-scheduled to 28 Oct 2016.

27 Oct 2016

1. CHEC is reminded to maintain proper housekeeping on site (CUE works area). Subsequently, proper housekeeping was maintained on site. The observation was closed on 03 November 2016.
2. CHEC is reminded to remove stagnant water on site (CUE works area). Subsequently, stagnant water was removed on site. The observation was closed on 03 November 2016.

28 Oct 2016

1. CHEC was reminded to increase watering for dust suppression on site. Subsequently, watering was increased on site. The observation was closed on 03 November 2016.
2. CHEC was reminded to clear the stagnant water accumulated at Building 037. Subsequently, stagnant water was cleared at Building 037. The observation was closed on 03 November 2016.
3. CHEC was reminded to remove the general refuse accumulated at Building 037. Subsequently, general refuse was removed at Building 037. The observation was closed on 03 November 2016.

03 Nov 2016

1. CHEC is reminded to properly maintain housekeeping on site (CUE). Subsequently, housekeeping was maintained properly on site. The observation was closed on 10 November 2016.
2. CHEC is reminded to properly maintain equipment (generator) on site (Box Culvert D). Subsequently, the equipment was properly maintained on site. The observation was closed on 10 November 2016.

10 Nov 2016

1. 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 17 November 2016.

17 Nov 2016

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1. CHEC is reminded to maintain proper housekeeping on site (Building 043). Subsequently, proper housekeeping was maintained on site. The observation was closed on 25 November 2016.

25 Nov 2016

1. CHEC was reminded to provide drip tray for chemical containers at CUE works area. 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 stagnant water accumulated at Building 037 and Bridge A7 area. Follow-up actions for outstanding observation will be checked in the upcoming site inspections and reported in the coming reporting period.
3. CHEC was reminded to enhance watering for dusty operation at Bridge A7 area. Follow-up actions for outstanding observation will be checked in the upcoming site inspections and reported in the coming reporting period.

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

15 Sept 2016

1. Nil findings.

22 Sept 2016

1. Nil findings.

28 Sept 2016

1. Nil findings.

06 Oct 2016

1. Nil findings.

13 Oct 2016

1. Nil findings.

21 Oct 2016

1. Site inspection was cancelled due to hoisting of typhoon signal no. 8 on 21 Oct 2016 and re-scheduled to 28 Oct 2016.

27 Oct 2016

1. Nil findings.

28 Oct 2016

1. Nil findings.

03 Nov 2016

1. Nil findings.

10 Nov 2016

1. Nil findings.

17 Nov 2016

1. Nil findings.

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25 Nov 2016

1. Nil findings.

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 | Broken Concrete | Reused in the Contract | Reused in other Projects | Disposed as Public Fill | Metals | Paper/ cardboard packaging | Plastics | Chemical Waste | Others, e.g. general refuse |
| | | (see Note 1) | | | | | | (see Note 2) | | |
| | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000 Kg) | (in '000 Kg) | (in '000 Kg) | (in '000 Kg) | (in '000m ³) |
| Jan | 0.000 | 0 | 0 | 0 | 0.000 | 0 | 0.992 | 0 | 0 | 0.073 |
| Feb | 0.000 | 0 | 0 | 0 | 0.000 | 0 | 0 | 0 | 0 | 0.093 |
| Mar | 0.087 | 0 | 0 | 0 | 0.087 | 0 | 0.392 | 0 | 0 | 0.200 |
| Apr | 0.184 | 0 | 0 | 0 | 0.184 | 0 | 0.411 | 0 | 0 | 0.224 |
| May | 0.203 | 0 | 0 | 0 | 0.203 | 0 | 0 | 0 | 0 | 0.293 |
| Jun | 0.244 | 0 | 0 | 0 | 0.244 | 0 | 0.413 | 0 | 0 | 0.322 |
| Jul | 2.429 | 0 | 0 | 0 | 2.429 | 0 | 0.419 | 0 | 0 | 0.312 |
| Aug | 0.057 | 0 | 0 | 0 | 0.057 | 0 | 0.340 | 0 | 0 | 0.288 |
| Sept | 0.000 | 0 | 0 | 0 | 0.000 | 0 | 0 | 0 | 0 | 0.327 |
| Oct | 0.379 | 0 | 0 | 0 | 0.379 | 0 | 0.400 | 0 | 0 | 0.332 |
| Nov | 0.229 | 0 | 0 | 0 | 0.229 | 0 | 0.389 | 0 | 0 | 0.644 |
| Dec | | | | | | | | | | |
| Total | 3.812 | 0.000 | 0.000 | 0.000 | 3.812 | 0.000 | 3.756 | 0.000 | 0.000 | 3.108 |

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 | 6.816 | 0 | 0 | 6.816 |
| Oct | 2.376 | 0 | 0 | 2.376 |
| Nov | 0 | 0 | 0 | 0 |
| Dec | | | | |
| Total | 38.392 | 0.000 | 0.000 | 38.392 |

Monthly Summary Waste Flow Table

Project name 工程項目名稱 : Contract No. HY/2013/06 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities-Automatic Vehicle Clearance Support System

Location 工程地點: Artificial Island of HKIAP

Year: 2016

| Month | Inert C&D Waste disposal 墮性廢物(in tonnes) (see Note 1) | | | | | | Non-inert C&D Waste disposal / 非墮性廢物 (in tonnes) | | Waste to be recycled and returned / 可再循環利用或回收的廢物 | | | | | | | | Total Quantity Generated / 總生產量 | | |
|-----------|---|--------------|------------------------------------|--------------|---|--------------|---|--------------|--|--------------|--------------|--------------|-------------------------------------|--------------|-----------------------|--------------|---------------------------------|--------------|-------|
| | Reused in the Work Package (e.g. backfilling) / 再用於工程 (如回填) | | Reused in other Projects / 再用於其他工程 | | Inert Waste (e.g. soil, broken concrete, rubble, fill material etc.) / 墮性廢物(如泥, 石, 填料等) | | Others, (e.g. general refuse, broken formwork etc) / 其他 (如垃圾, 廢板枋等) | | Metals / 金屬 | | Plastic / 塑膠 | | Paper/cardboard packaging / 廢紙/包裝紙類 | | Chemical Waste / 化學廢物 | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | (b) | | (c) | | (d) | | (e) | | (in tonnes) | | (in tonnes) | | (in tonnes) | | (in litre) | | (a)= (b+c+d+e) | | |
| | Est./ 估計數量) | Act./ (實際數量) | Est./ 估計數量) | Act./ (實際數量) | Est./ 估計數量) | Act./ (實際數量) | Est./ 估計數量) | Act./ (實際數量) | Est./ 估計數量) | Act./ (實際數量) | Est./ 估計數量) | Act./ (實際數量) | Est./ 估計數量) | Act./ (實際數量) | Est./ 估計數量) | Act./ (實際數量) | Est./ 估計數量) | Act./ (實際數量) | |
| January | | | | | | | | | | | | | | | | | | | |
| February | | | | | | | | | | | | | | | | | | | |
| March | | | | | | | | | | | | | | | | | | | |
| April | | | | | | | | | | | | | | | | | | | |
| May | | | | | | | | | | | | | | | | | | | |
| June | | | | | | | | | | | | | | | | | | | |
| July | | | | | | | | | | | | | | | | | | | |
| August | | | | | | | | | | | | | | | | | | | |
| September | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0.002 | 0.002 | N/A | N/A | 0.002 | 0.002 |
| October | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0.002 | 0.002 | N/A | N/A | 0.002 | 0.002 |
| November | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 0.002 | 0.002 | N/A | N/A | 0.002 | 0.002 |
| December | | | | | | | | | | | | | | | | | | | |
| Total | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.006 | 0.006 | 0.000 | 0.000 | 0.006 | 0.006 |

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

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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-Sep-15 | 04-Sep-15 | 30-Sep-20 | Superseded | |
| 9 | Water Discharge License Pursuant to Water Pollution Control Ordinance (Cap 358) | WT00025384-2016 | Main Site Area | 09-Mar-16 | 10-Nov-16 | 10-Nov-16 | 30-Sep-20 | Valid | |
| 10 | Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance | GW-RS0607-16 | Main Site Area | 02-Jun-16 | 16-Jun-16 | 19-Jun-16 | 18-Sep-16 | Superseded | |
| 11 | Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance | PP-RS0020-16 | Portion A, G & H | 13-Jul-16 | 27-Jul-16 | 28-Jul-16 | 24-Jan-17 | Superseded | |
| 12 | Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance | GW-RS0933-16 | Main Site Area | 18-Aug-16 | 01-Sep-16 | 05-Sep-16 | 31-Dec-16 | Valid | |
| 13 | Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance | GW-RS0960-16 | Main Site Area | 06-Sep-16 | 15-Sep-16 | 19-Sep-16 | 18-Dec-16 | Valid | |
| 14 | Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance | PP-RS0028-16 | Portion A, G, H & N | 15-Sep-16 | 29-Sep-16 | 03-Oct-16 | 02-Apr-17 | Valid | |

| | | | | | | | | | |
|----|--|--------------|--|-----------|-----------|-----------|-----------|----------------------------------|--|
| 15 | Permit issued Under the Dumping at Sea Ordinance | EP/MD/17-088 | East of Sha Chau (CMP Vd) | 16-Aug-16 | 26-Aug-16 | 01-Sep-16 | 30-Sep-16 | Valid until 30-Sep-16 | |
| 16 | Permit issued Under the Dumping at Sea Ordinance | EP/MD/17-105 | East of Sha Chau (CMP Vd) | 15-Sep-16 | 27-Sep-16 | 01-Oct-16 | 31-Oct-16 | Valid until 31-Oct-16 | |
| 17 | Permit issued Under the Dumping at Sea Ordinance | EP/MD/17-132 | East of Sha Chau (CMP Vd) | 03-Nov-16 | 30-Nov-16 | 05-Dec-16 | 04-Jan-17 | To be Valid from 05-Dec-16 | |
| 18 | Permit issued Under the Dumping at Sea Ordinance | EP/MD/17-140 | East of Sha Chau (CMP Va) or South of Brothers (CMP2) | 14-Nov-16 | 30-Nov-16 | 30-Nov-16 | 29-Dec-16 | Valid | |

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

| 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 | 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. 7023015 | Main Site Area | 07-Aug-15 | 20-Aug-15 | 20-Aug-15 | Nil | Valid | |
| 3 | Registration as Waste Producer Pursuant to Waste Disposal (Chemical Waste) (General) Regulation | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | # |

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

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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

For Contract No. HY/2013/03

| Reporting Period | Cumulative Statistics | | |
|---|-----------------------|--------------------------|-------------------------|
| | Complaints | Notifications of Summons | Successful Prosecutions |
| This reporting period | 2 | 0 | 0 |
| From commencement date of construction to end of reporting period | 3 | 0 | 0 |

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

| 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 month | 0 | 0 | 0 |