

## **MATERIALAB CONSULTANTS LIMITED**

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**MaterialLab**

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Report No.: 0165/15/ED/0783

### **Appendix C**

### **Construction Programme**

Activity ID		Activity Name		2017				
				Apr	May	Jun	Jul	Aug
<b>HKBCF - VCP &amp; Ancillary Buildings and Facilities, DWP Rev. 3B, DD 30 Apr. 17</b>								
<b>CONTRACT DATES</b>								
<b>Key Dates</b>								
A1020	KD2 Achievement of Stage 2 of the Works (460 days; 12 Jul. 16 )			◆ KD2 Achievement of Stage 2 of the Works (460 days; 12 Jul. 16 )				
A1180A	KD18A Achievement of Stage 18 of the Works (478 days; 30 Jul. 16 EOT 1)			◆ KD18A Achievement of Stage 18 of the Works (478 days; 30 Jul. 16 EOT 1)				
A1180F	KD18F Achievement of Stage 23 of the Works (730 days; 08 Apr. 17)			◆ KD18F Achievement of Stage 23 of the Works (730 days; 08 Apr. 17)				
<b>Site Access &amp; Possession</b>								
<b>Possession of Portion of Site</b>								
A0040	Possession of Portion C (<=100 days)			◆ Possession of Portion C (<=100 days)				
A0070	Possession of Portion F (<=220 days)			◆ Possession of Portion F (<=220 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)				
<b>Access to Locations of the Site</b>								
A0210	Contract Date for Access to Location 1.1 (490 days)			◆ Contract Date for Access to Location 1.1 (490 days)				
A0240	Contract Date for Access to Location 1.4 (488 days)			◆ Contract Date for Access to Location 1.4 (488 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)				
<b>PORTION A1</b>								
<b>Portion A1 Structures</b>								
<b>Bridge A9</b>								
<b>Structure Deck</b>								
SA9410	Deck on A905, P904 + Stressing			[Actual Work]				
SA9420	Deck on P904, P903 + Stressing			[Actual Work]				
SA9430	Falsework for Deck P903 - P902			[Actual Work]				
SA9440	Deck on P903 & P902 + Stressing			[Actual Work]				
SA9450	Falsework for Deck P902 - A901			[Actual Work]				
SA9460	Deck on P902 & A901 + Stressing			[Actual Work]				
<b>Retaining Wall W8-1</b>								
SW8110	Construction of Retaining Wall W8-1 (U-shape, 4 bays)			[Actual Work]				
SW8120	Backfilling W8-1			[Actual Work]				
SW8130	Parapet W8-1 (16 pour) & E&M Works			[Actual Work]				
SW8140	RW8-1 Drainage system & Cable Laying			[Actual Work]				
<b>Retaining Wall W9-1</b>								
SW9110	Construction of Retaining Wall W9-1 (U-shape, 4 bays)			[Actual Work]				
SW9120	Backfilling W9-1			[Actual Work]				
SW9130	Parapet W9-1 (16 pour) & E&M Works			[Actual Work]				
SW9140	Drainage System & Cable Laying			[Actual Work]				
<b>047 - Fresh Water Pumping Station, Portion A1 &amp; A2</b>								
A04740	Water Tank Construction			[Actual Work]				
A04750	Pump House Construction			[Actual Work]				
A04752	Water-tightness Test for Water Tank			[Actual Work]				

<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: blue; border: 1px solid black;"></span> Actual Work</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightgreen; border: 1px solid black;"></span> Remaining Work</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: red; border: 1px solid black;"></span> Critical</li> <li>◆ Milestone</li> </ul>	<b>THREE MONTH ROLLING PROGRAMME</b> <b>VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES</b> Page 1 of 21	<table border="1"> <thead> <tr> <th>Date</th> <th>Revision</th> <th>Checked</th> <th>Approved</th> </tr> </thead> <tbody> <tr> <td>28-Feb-17</td> <td>3MRP updated as of 28 Feb. 2017</td> <td>ZJ</td> <td></td> </tr> <tr> <td>31-Mar-17</td> <td>3MRP updated as of 31 Mar. 2017</td> <td>ZJ</td> <td></td> </tr> <tr> <td>30-Apr-17</td> <td>3MRP updated as of 30 Apr. 2017</td> <td>ZJ</td> <td></td> </tr> </tbody> </table>	Date	Revision	Checked	Approved	28-Feb-17	3MRP updated as of 28 Feb. 2017	ZJ		31-Mar-17	3MRP updated as of 31 Mar. 2017	ZJ		30-Apr-17	3MRP updated as of 30 Apr. 2017	ZJ	
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Activity ID	Activity Name	2017				
		Apr	May	Jun	Jul	Aug
A04760	Parapet Wall at Roof Slab & Fiishing		█			
A04770	BS installation + E&M (Degree 2)		█			
A04780	BS installation + E&M (Degree 3)				█	
A04790	T&C for BS & Pumps				█	
<b>Test &amp; Commission</b>						
B04730	Submission & Issue of WW046 IV, V (Inside Services & FS)		█			
B04740	WSD Inspection			█		
<b>049 - Sewage Treatment Plant, Portion A1 &amp; A2</b>						
B04990	Constructing Wall Stem for Equalization Tanks	█				
C04910	Water-tightness Test for Equalization Tanks		█			
D04985	Energisation by CLP	█	█	█		
D04990	Other Ground Slab Construction	█	█			
E04910	Other Superstructure Construction	█	█	█		
E04940	BS for Office Accommodations (KD9) (Degree 2)			█	█	
<b>T&amp;C and Statutory Inspection</b>						
F04910	Essential T&C (FSI)		█	█	█	
F04950	Submission & Issue of WW046 IV, V (Inside Services & FS)			█		
F04960	WSD Inspection			█		
G04910	Discharge Licence Application				█	
<b>Portion A1 Buildings</b>						
<b>012 - DOH Disinsection Area and Store Room 1, at Portion A1</b>						
A01250	Finishing	█				
A01270	BS + E&M for Office Accommodation (Stage 9) (Degree 3)	█	█	█		
A01280	Other BS + E&M Installation	█	█	█		
A01285	DG Application					◆ DG Application
<b>Test &amp; Commission</b>						
C01210	Submission & Issue of WW046 I, II, III (Inside Services & FS)		█			
C01220	Submission & Issue of WW046 IV, V (Inside Services & FS)					█
C01250	OP Application & TPIDC Inspection					█
<b>036 - Weigh Station</b>						
A03680	BS + E&M for Office Accommodation (Stage 9)	█	█			
A03690	Other BS + E&M Installation	█	█			
B03610	T&C for BS & Pumps	█	█	█		
<b>Test &amp; Commission</b>						
B03630	Submission & Issue of WW046 IV, V (Inside Services & FS)			█		
B03640	Form 314 & 501 submission					◆ Form 314 & 501 submission
B03650	WSD Inspection			█		
B03660	FSD Inspection				█	
B03670	BEE0 Stage II & Accessor Certification Submission		█	█		
B03680	OP Application & TPIDC Inspection		█	█		
<b>037 C&amp;ED Tower Cum Inbound Cargo Examination Building (Portion A1 &amp; B)</b>						
A03742C	Mock-up Sample for Mesh Screen Wall (SS41) & Balustrade	█				
A03744	Curtain Wall/Metal Roof/Aluminium Cladding Installation	█				
A03752	Floor Screed/Tiling	█				
A03756	Window/Door Frame Installation	█				
A03758	Paint Finish	█	█	█		
A03770	BS + E&M for AVCSS Cabling (KD18B)	█				
A03780	BS for Office Accomodation (KD9)	█				
A03785	BS for Office Accomodation (KD10)			█	█	
A03790	Other BS + E&M Installation	█	█	█		

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

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

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		Apr	May	Jun	Jul	Aug
<b>Test &amp; Commission</b>						
B03710	T&C for BS & Pumps					█
B03730	Submission & Issue of WW046 IV, V (Inside Services & FS)		█			
B03750	Form 314 & 501 submission					◆ Form 314 &
B03760	Lift Inspection by EMSD	█				
B03770	WSD Inspection		█			
B03780	FSD Inspection					█
B03790	Beam Plus Monthly Submission & Issue		█	█	█	█
<b>041 Fire Station Cum Ambulance Depot</b>						
A04126	Cladding & Curtain Wall Installation (incl. steel & metal works)	█	█	█	█	
A04133	Wall Plastering/Wall Tiling	█	█	█		
A04134	Floor Screeding/Tiling/Vinyl Tiles				█	█
A04135	Ceiling/Wall Painting					█
A04137	False Ceiling Installation		█	█	█	
A04140	BS for Office Accomodation (Stage 8)	█	█			
A04150	BS + E&M for Office Accomodation (Stage 9)		█	█	█	
A04160	Other BS + E&M Installation	█	█	█	█	█
A04170	External Finishing		█	█	█	
A04180	C/S Plastering/Tiling			█	█	
<b>Test &amp; Commission</b>						
B04110	T&C for BS & Pumps		█	█	█	█
B04120	Submission & Issue of WW046 I, II, III (Inside services & FS)		█			
B04130	Submission & Issue of WW046 IV, V (Inside Services & FS)				█	
B04140	Form 314 & 501 submission					◆ Form 314 & 501 submiss
B04150	Form LE5 Submission to EMSD		◆ Form LE5 Submission to EMSD			
C04130	Beam Plus Monthly Submission & Issue		█	█	█	█
C04140	BEEO Stage II & Accessor Certification Submission				█	█
<b>042 Drill Tower</b>						
A04260	Finishing	█				
A04270	BS for Office Accomodation (Stage 8)	█				
A04280	BS + E&M for Office Accomodation (Stage 9)		█	█	█	█
A04290	Other BS + E&M Installation		█	█	█	█
<b>Test &amp; Commission</b>						
B04210	BEEO Stage II & Accessor Certification Submission					█
B04220	T&C for BS Pumps			█	█	█
B04230	WSD Inspection				█	
B04240	FSD Inspection					█
B04250	OP Application & TPIDC Inspection					█
<b>043 DOH Office + Store Room</b>						
A04370	Cladding & Curtain Wall Installation (incl. steel & metal works)	█	█	█	█	
A04380	BS for Office Accomodation (Stage 8)	█				
A04390	BS + E&M for Office Accomodation (Stage 9)		█	█	█	
B04310	Other BS + E&M Installation	█	█	█	█	█
B04330	Stainless Steel Mesh Installation	█	█	█	█	
B04340	Metal Windows/Louvres/Doors/Railing etc. installation	█	█	█	█	
B04350	Blockworks					
B04360	Wall Plastering/Tiling	█	█			
B04370	Floor Screeding/Tiling		█	█	█	█
B04380	False Ceiling Installation & Painting		█	█		
B04390	Carpentry (Wooden Doors/Partition/Lockers/Etc.)				█	

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C04310	C/S Wall Plastering					
C04320	Paint Finishing to Walls					
<b>Test &amp; Commission</b>						
C04330	T&C for BS & Pumps					
C04340	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
C04350	Submission & Issue of WW046 IV, V (Inside Services & FS)					
C04360	Form 2 Submission					
C04370	Form 314 & 501 submission					
C04380	DG application					
D04310	WSD Inspection					
D04350	BEEO Stage II & Accessor Certification Submission					
<b>052 - Transforms (Zone 4)</b>						
A05235	Energisation by CLP					
A05270	Main Switch/L.V. Switch Board Installation					
<b>T&amp;C and Statutory Inspection</b>						
B05210	T&C for BS & Pumps					
B05230	DG Inspection					
B05270	Non-Essential T&C (Non-FSI)					
B05280	OP Application & TPIDC Inspection					
<b>Completion of Fire Services Installation and Equipment (FCD)</b>						
C05210	Approved Building Plans					
<b>105 IMM D Guard Booth, Portion A1 (Mock Up)</b>						
B10510	Excavation + Blinding					
B10520	Substructure (Raft Foundation)					
B10530	On Grade Ground Slab					
B10540	Finishing					
B10550	BS for Office Accommodations (KD9)					
B10560	BS + E&M for Office Accommodation (KD10)					
B10570	Other BS + E & M Installation					
<b>Facade Envelop Structure Installation</b>						
B10580	Shop Drawing Submission and Approval					
B10590	Fabrication of F/C System					
C10510	Casted-in Items Installation					
C10520	Steel Frame Installation					
<b>210 - ImmD GV Secondary Examination Bays Inbound</b>						
ER5830	Construction of the Area and Access to the Interface Contractor					
<b>External Works for Portion A1</b>						
<b>Drainage Works</b>						
ED5590	Drainage Works (774m & 35MHs), Stage 2 (Middle)					
ED5600	Sewerage (300m & 9MHs), Stage 2 (Middle)					
ED5610	Drainage Works (773m & 34MHs), Stage 3 (Eastern)					
ED5620	Sewerage (269m & 7MHs), Stage 3 (Eastern)					
<b>Waterpipe Laying</b>						
EW5010	Fresh Water Main Laying (700 m), Stage 1 (Western)					
EW6010	Flushing Water Main Laying (322 m), Stage 1 (Western)					
EW6020	Fresh Water Main Laying (700 m), Stage 2 (Middle)					
EW6030	Flushing Water Main Laying (322 m), Stage 2 (Middle)					
EW6040	Fresh Water Main Laying (260 m), Stage 3 (Eastern)					
EW6050	Flushing Water Main Laying (323m), Stage 3 (Eastern)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						

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		Apr	May	Jun	Jul	Aug
EU5260	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
EU5270	Duct & Cable Laying for TCSS & Lighting					
<b>Roadworks</b>						
ER1520	Subbase (8500 ton), Stage 1 (Western)					
ER3540	Bitumen Pavement (10000 ton), Stage 1 (Western)					
ER3550	Rigid Pavement (900 m3), Footpath & EVA, Stage 1 (Western)					
<b>Road Furniture</b>						
ER0800	ELV Installation					
<b>PORTION A2</b>						
<b>Portion A2 Structures</b>						
<b>046 - Refuse Collection Point, Portion A2</b>						
A04610	Raft Foundation					
A04620	Superstructure w/2 water tank					
A04630	BS for Office Accommodations (Stage 8) (KD9)					
A04660	Other BS + E&M Installation					
<b>Test &amp; Commission</b>						
B04620	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
B04630	Submission & Issue of WW046 IV, V (Inside Services & FS)					
<b>048 - Reclaimed Water Pumping Station, Portion A2</b>						
B04810	Superstructure Construction					
B04820	BS for Office Accommodations (Stage 8) (KD9)					
B04830	BS + E&M for Office Accommodation (Stage 9) (KD10)					
B04840	Other BS + E&M Installation					
<b>Test &amp; Commission</b>						
B04850	T&C for BS & Pumps & SWT					
B04860	DG Application					
B04880	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
<b>Retaining Wall W9-2</b>						
SW9210	Construction of Retaining Wall W9-2 (U-shape, 6 bay)					
SW9220	Backfilling for Retaining Wall W9-2					
<b>External Works for Portion A2</b>						
<b>Drainage Works</b>						
ED5630	Drainage Works (228m & 15MHs)					
ED5640	Sewerage (322m & 9MHs)					
<b>Waterpipe Laying</b>						
EW6060	Fresh Water Main Laying (336m)					
EW6070	Flushing Water Main Laying (91m)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
EU5280	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
EU5290	Duct & Cable Laying for TCSS & Lighting					
<b>Road Furniture</b>						
ER2340	ELV Installation					
<b>PORTION B</b>						
<b>Portion B Structures</b>						
<b>Retaining Wall W7-2</b>						
S70890	Retaining Wall W7-2 Backfilling					
S70910	C3-S6 Slopeworks					
S70970	Retaining Wall W7-2 Parapet (2 pour) & E&M Works					
S70980	Retaining Wall W7-2 Drainage System & Cable Laying					

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<b>Retaining Wall W6-1</b>						
S62060	Retaining Wall W6-1 Backfilling					
S62070	Retaining Wall W6-1 Parapet (8 pour) & E&M Works					
S62080	Retaining Wall W6-1 Drainage System & Cable Laying					
S62210	Retaining Wall W6-1 Bituminous Paving (347 ton) (KD25)					
<b>Bay 25 - 29 of CUE/Staff Subway</b>						
C02960	Internal Finishes & Cable Containment (KD1)					
C02970	BS + E&M Installation for AVCSS (KD1)					
<b>Portion B Buildings</b>						
<b>027/028 Inbound Kiosks &amp; 029 Outbound Kiosks</b>						
A02720	Superstructure					
A02730	Construction of Subway Entrance					
A02740	Construction of Subway Toilets					
A02750	Finishing					
A02760	BS for Office Accommodation (Stage 8)					
A02780	BS + E&M for AVCSS Works (KD18A)					
A02790	BS + E&M for AVCSS Cabling (KD18B)					
B02720	Other BS + E&M Installation					
<b>Test &amp; Commission</b>						
B02830	Submission & Issue of WW046 IV, V (Inside Services & FS)					
<b>027/028 Inbound Kiosks &amp; 029 Outbound Kiosks, Section IX, Subject to Excision</b>						
B02740	Pre-fabrication for the Steel Kiosks					
B02750	Superstructure					
B02760	BS + E&M for AVCSS Works (KD18C)					
B02770	BS + E&M for AVCSS Works (KD18D)					
B02780	BS + E&M for allowing users to move in furniture (KD18E)					
<b>026 Inbound IMMD and DOH Secondary Screening Building</b>						
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 Accommodation (Stage 8)					
A02680	BS + E&M for Office Accommodation (Stage 9)					
A02690	Other BS + E&M Installation					
<b>Test &amp; Commission</b>						
B02630	Submission & Issue of WW046 IV, V (Inside Services & FS)					
B02650	TC for BS & Pumps					
B02690	Lift Inspection by EMSD					
<b>054 Inbound Fixed X-ray Building</b>						
A05460	Finishing					
A05467	Energisation by CLP					
A05470	BS for Office Accommodation (Stage 8)					
A05480	BS + E&M for Office Accommodation (Stage 9)					
A05490	Other BS + E&M Installation					
<b>T&amp;C and Statutory Inspection for Zone 4a</b>						
B05420	T&C for BS & Pumps					
B05440	Lift Inspection by EMSD					
<b>Waterworks Ordinance (WSD)</b>						
G05410	Approval Letter and approved Drawings					
<b>038 AFCD Office</b>						
A03850	Finishing + Curtain Wall Installation					

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A03870	BS for Office Accomodation (Stage 8)					
A03880	BS + E&M for Office Accomodation (Stage 9)					
A03890	Other BS + E&M Installation					
<b>Test &amp; Commission</b>						
B03810	T&C for BS & Pumps					
B03830	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
C03820	Form 2 Submission					
C03860	BEEO Stage II & Accessor Certification Submission					
<b>039 Police Main Building</b>						
A03940	Finishing + Curtain Wall Installation					
A03950	BS for Office Accomodation (Stage 8), & for TCSS works (KD14)					
A03960	BS + E&M for Office Accomodation (Stage 9)					
A03970	Other BS + E&M Installation					
<b>Test &amp; Commission</b>						
B03920	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
B03930	Submission & Issue of WW046 IV, V (Inside Services & FS)					
B03940	BEEO Stage II & Accessor Certification Submission					
B03950	Beam Plus Monthly Submission & Issue					
C03950	Form 2 Submission					
C03970	T&C for BS & Pumps					
<b>040 Incident Control Tower</b>						
A04050	Finishing (KD9)					
A04060	BS for Office Accomodation (Stage 8), & for TCSS works (KD14)					
A04070	BS + E&M for Office Accomodation (Stage 9)					
<b>Facade Cladding System</b>						
B04020	Fabrication of F/C System					
B04030	Casted-in Items Installation					
B04040	Steel Frame Installation					
B04050	Cladding Panel Installation					
<b>Glass Wall</b>						
C04020	Fabrication of Glass Wall					
C04030	Casted-in Items Installation					
C04040	Steel Frame Installation					
<b>Test &amp; Commission</b>						
D04030	T&C for BS & Pumps					
D04040	Form 2 Submission					
<b>102 HKPF UVSS Monitor Room</b>						
A10230	Finishing (False Ceiling) (KD9)					
A10240	BS for Office Accomodation (Stage 8)					
A10260	BS + E&M for Office Accomodation (Stage 9)					
A10270	Other BS + E&M Installation					
C10210	WVO 46 Part I, II, III Submission (inside Service + FS)					
C10240	FSI Form 314 & 501 Submission					
<b>Metal Canopy and Roof Installation</b>						
B10212	Fabrication of MC/R					
B10220	Casted-in Items Installation					
B10230	Steel Frame Installation					
B10240	Glass panel, metal cladding panel installation					
<b>103 Police Inspection Post</b>						
A10350	Finishing (False Ceiling) (KD9)					

- Actual Work
- Remaining Work
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- Milestone

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Activity ID	Activity Name	2017				
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A10360	BS for Office Accomodation (Stage 8)					
A10370	BS + E&M for Office Accomodation (Stage 9)					
A10380	Other BS + E&M Installation					
C10320	WVO 46 Part I, II, III Submission (inside Service + FS)					
<b>HPL Composite Panel Cladding System</b>						
B10320	Fabrication of HPL Cladding					
B10330	Casted-in Items Installation					
B10340	Steel Frame Installation					
<b>057 Transformers (Zone 2)</b>						
A05740	Finishing					
A05755	Energisation by CLP					
A05760	BS for Office Accomodation (Stage 8)					
A05770	BS + E&M for Office Accomodation (Stage 9)					
A05780	Other BS + E&M Installation					
<b>T&amp;C and Statutory Inspection for Zone 2a &amp; 2b</b>						
C05700	T&C for BS & Pumps					
F05700	Essential T&C (FSI)					
F05710	Non-Essential T&C (Non-FSI)					
<b>Completion of Fire Services Installation and Equipment (FCD)</b>						
F05740	Provision of Approved Building Plans by the Engineer					
F05750	Application for FSI Inspection (FSI/501) c/w FSI Plan (FSI/314)					
F05760	Provision of Direct Link for Fire Alarm System by Chubb					
F05770	FSI Inspection (2 Trials)					
<b>DG License &amp; EPD Generator Approval</b>						
G05710	Approval Letter and approved Drawings					
G05730	DG Inspection					
<b>107 - C&amp;ED Mobile X-ray Operation Office (Cargo), Portion B</b>						
C10740	Finishing					
C10750	BS for Office Accomodation (Stage 8)					
C10760	BS + E&M for Office Accomodation (Stage 9)					
C10770	Other BS + E&M Installation					
C10780	T&C for BS & Pumps					
<b>113 - Field Kiosk for Access Control, Portion B</b>						
B11330	Superstructure (Roof Beams & Slabs)					
B11340	Finishing					
B11350	BS for Office Accomodation (Stage 8)					
B11370	Other BS + E&M Installation					
B11380	T&C for BS & Pumps					
<b>201 - Inbound Cargo Mobile X-ray Operation Area</b>						
ER5740	Radiation Screen Wall Construction					
ER5850	Construction of the Area and Access to the Interface Contractor					
<b>205 - Inbound Private Car Mobile X-ray Operation Area</b>						
ER5750	Radiation Screen Wall Construction					
ER5860	Construction of the Area and Access to the Interface Contractor					
<b>External Works for Portion B</b>						
<b>Works in Location 1.7A</b>						
BB1480	ELV Works & T&C in Location 1.7A					
<b>Works in Location 1.7B</b>						
BB1490	ELV Works & T&C in Location 1.7B					
<b>Drainage Works</b>						

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		Apr	May	Jun	Jul	Aug
ED5670	Drainage Works (1130m & 60MHs), Stage 3	[Blue bar]				
ED5680	Sewerage (300m & 8MHs), Stage 3	[Blue bar]				
ED5690	Drainage Works (1130m & 60MHs), Stage 4	[Green bar]				
ED5700	Sewerage (300m & 82MHs), Stage 4	[Green bar]				
<b>Waterpipe Laying</b>						
EW6080	Fresh Water Main Laying (500m), Stage 2	[Blue bar]				
EW6090	Flushing Water Main Laying (460m), Stage 2	[Blue bar]				
EW6100	Fresh Water Main Laying (1000m), Stage 3	[Green bar]				
EW6110	Flushing Water Main Laying (931m), Stage 3	[Green bar]				
EW6190	Chilled Water Pipe Laying in Portion B (external)	[Red bar]				
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
EU5300	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV	[Red bar]				
EU5310	Duct & Cable Laying for TCSS & Lighting	[Green bar]				
EU5550	ELV Installation	[Red bar]				
<b>Roadworks</b>						
ER1640	Subbase (10000 ton), Stage 1 (N/W)	[Blue bar]				
ER3590	Bitumen Pavement (14000 ton), Stage 1 (N/W)	[Red bar]				
ER3600	Rigid Pavement (594 m3), Footpath & EVA, Stage 1 (N/W)	[Red bar]				
ER5590	Subbase (11000 ton), Stage 2 (N/E)	[Red bar]				
ER5600	Bitumen Pavement (15000 ton), Stage 2 (N/E)	[Red bar]				
ER5610	Rigid Pavement (594 m3), Footpath & EVA, Stage 2 (N/E)	[Red bar]				
ER5620	Subbase (11000 ton), Stage 3 (S/W)	[Red bar]				
<b>Road Furniture</b>						
ER1620	Road Furniture	[Red bar]				
<b>Sign Gantry ADS 306A &amp; ADS 306B</b>						
ES5240	Fabrication & Delivery of Sign Gantrys to Site	[Green bar]				
<b>PORTION C</b>						
<b>Portion C Buildings</b>						
<b>010 - Inbound Coach Kiosk &amp; Staff Subway Entrance</b>						
A01010	Substructure and Staircase Construction	[Red bar]				
<b>009 - Staff Subway Entrance (Bay 0 - 3) &amp; Shuttle Bus Kiosks</b>						
B00920	Kiosk superstructure	[Red bar]				
B00930	BS + E&M for AVCSS works (KD18A)	[Red bar]				
B00940	BS + E&M for AVCSS Cabling (KD18B)	[Red bar]				
<b>012 - DOH Disinsection Area and Store Room 1, at Portion C</b>						
B01210	Excavation & Blinding	[Red bar]				
B01220	Raft Foundation	[Red bar]				
B01230	Superstructure	[Red bar]				
<b>104 - DOH Secondary Screening Station, at Portion C</b>						
<b>Facade Cladding System</b>						
A10460	Shop Drawing Submission and Approval	[Green bar]				
A10465	Fabrication of F/C System	[Green bar]				
<b>108 C&amp;ED Mobile X-ray Machine Operation Office, Portion C</b>						
A10805	Excavation & Blinding	[Green bar]				
A10810	Raft Foundation	[Green bar]				
A10840	Superstructure (Roof Beams & Slabs)	[Green bar]				
A10850	Finishing	[Green bar]				
A10860	BS for Office Accomodation (Stage 8)	[Green bar]				
A10890	Other BS + E&M Installation	[Green bar]				

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<b>HPL Composite Panel Cladding System</b>						
A10800	Shop Drawing Submission and Approval					
A10815	Fabrication of HPL Cladding					
<b>110 IMMD Guard Booth (Type 2) East</b>						
A11020	Excavation & Blinding					
A11030	Substructure					
A11080	Finishing					
A11090	BS for Office Accomodation (Stage 8)					
B11020	Other BS + E&M Installation					
<b>Facade Envelop Structure Installation</b>						
A11040	Shop Drawing Submission and Approval					
A11045	Fabrication of F/C System					
A11050	Casted-in Items Installation					
<b>111 Field Kiosk for Carpark Operator</b>						
A11120	Excavation & Blinding					
A11130	Raft Foundation					
A11140	Superstructure (Roof beams & Slabs)					
<b>HPL Composite Panel Cladding System</b>						
B11110	Shop Drawing Submission and Approval					
B11120	Fabrication of HPL Cladding					
B11130	Casted-in Items Installation					
<b>113 - Field Kiosk for Access Control, Portion C</b>						
C11310	Excavation & Blinding					
C11320	Raft Foundation					
C11330	Superstructure (Roof Beams & Slabs)					
<b>204 - Inbound Coach Exam Area &amp; Mobile X-ray Operation</b>						
ER5760	Radiation Screen Wall Construction					
ER5880	Construction of the Area and Access to the Interface Contractor					
<b>External Works for Portion C</b>						
<b>Works in Location 1.2, 1.8 &amp; 011 - Emergency Generator Building</b>						
BB1440	Works & T&C in Location 1.2					
BB1460	ELV System Installations and T&C for Contract HY/2013/01					
BB1470	Provisioning of Civil Engineering Works for 011-Emergency Generator Building (KD18)					
<b>Drainage Works</b>						
B00040	Initial Survey					
SG2400	Drainage Works (400m & 18MHs), Stage 1 (Eastern)					
SG3610	Sewerage (90m & 2MHs), Stage 1 (Eastern)					
<b>Waterpipe Laying</b>						
SW2410	Fresh Water Main Laying (135m), Stage 1 (Eastern)					
SW2420	Flushing Water Main Laying (50m), Stage 1 (Eastern)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
SU5320	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
<b>PORTION D</b>						
<b>Portion D Building</b>						
<b>114 - Field Kiosk for Access Control, Portion D</b>						
C11360	Raft Foundation					
C11370	Superstructure (Roof Beams & Slabs)					
C11380	Finishing					
D11340	BS for Office Accomodation (Stage 8)					

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		Apr	May	Jun	Jul	Aug
D11360	Other BS + E&M Installation					
<b>External Works for Portion D</b>						
<b>Drainage Works</b>						
SG3640	Drainage Works (361m & 14MHs)					
SG3760	Sewerage (121m & 6MHs)					
<b>Waterpipe Laying</b>						
SW3650	Fresh Water Main Laying (108m)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
SU5340	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
SU5350	Duct & Cable Laying for TCSS & Lighting					
SU5640	Access date to Telephone Companies					
<b>Roadworks</b>						
SR3740	Subbase (261 ton)					
SR3770	Bitumen Pavement (619 ton)					
<b>PORTION E</b>						
<b>006 - Shuttle Bus Kiosk &amp; Staff Subway Entrance, at Portion E &amp; M</b>						
A00630	Constructing wall stem + top slab of Subway					
A00640	Backfilling					
A00650	Constructing Ground Slab					
A00660	Constructing Kiosk (4 Nr.)					
A00670	Constructing Subway Entrance					
A00690	BS + E&M for AVCSS works (KD18B)					
B00640	Other BS + E&M Installation					
<b>External Works for Portion E</b>						
<b>Drainage Works</b>						
SG3780	Drainage Works (99m & 5MHs)					
SG3900	Sewerage (38m & 1 MH)					
<b>Waterpipe Laying</b>						
SW3790	Fresh Water Main Laying (45m)					
SW3800	Flushing Water Main Laying (25m)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
SU5360	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
SU5370	Duct & Cable Laying for TCSS & Lighting					
<b>Roadworks</b>						
SR3880	Subbase (1659 ton)					
<b>PORTION F</b>						
<b>External Works for Portion F</b>						
<b>Drainage Works</b>						
B00070	Initial Survey					
SG3930	Drainage Works (122m & 9MHs)					
SG4050	Sewerage (70m & 3MHs)					
<b>Waterpipe Laying</b>						
SW3940	Fresh Water Main Laying (205m)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
SU5380	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
SU5390	Duct & Cable Laying for TCSS & Lighting					
<b>PORTION G, H1 &amp; H2</b>						
<b>Portion G Structures</b>						

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		Apr	May	Jun	Jul	Aug
<b>Box Culvert C</b>						
<b>Box Culvert Structure</b>						
SC0310	Box C - Branch Construction					
SC0320	Box C - Branch Backfilling					
SC0380	Box C - Construction of Main Body					
SC0390	Box C - Back filling					
<b>Bridge A1</b>						
<b>Structure Deck</b>						
SA1450	Falsework for Deck P101, P102					
SA1460	Deck on P101, P102 + Stressing					
SA1510	Deck on P105, A106 + Stressing					
SA1520	Parapet (42 pour), E&M works & installation of DS38 & DS39					
<b>Bridge A2</b>						
<b>Structure Deck</b>						
SA2450	Falsework for Deck P201 - P202					
SA2460	Deck on P201 & P202 + Stressing					
SA2470	Parapet (36 pour), E&M Works & installation of DS49					
<b>Bridge A3</b>						
<b>Structure Deck</b>						
SA3460	Deck on P303, P304a/P304b + Stressing					
SA3480	Deck on P304a, A305 + Stressing					
SA3510	Parapet (56 pour), E&M Works & installation of DS51					
<b>Bridge A4</b>						
<b>Structure Deck</b>						
SA4420	Deck on P502b, P401 + Stressing					
SA4440	Deck on P401, P402 + Stressing					
SA4460	Deck on P304b, P401, P402 + Stressing					
SA4470	Parapet (35 pour), E&M Works					
<b>Bridge A5</b>						
<b>Structure Deck</b>						
SA5480	Deck on P502a, P502b & P503 + Stressing					
SA5520	Deck on P506 & P507 + Stressing					
SA5540	Deck on A501 & P502a + Stressing					
SA5550	Falsework for Deck P507 - P508a, P508b					
SA5560	Deck on P507 & P508a, P508b + Stressing					
SA5580	Parapet (65 pour), E&M Works installation of ADS 304A					
<b>Bridge A6</b>						
<b>Structure Deck</b>						
SA6480	Deck on P604, P605 + Stressing					
SA6530	Deck on P606 & A607 + Stressing					
SA6540	Parapet (50 pour) & E&M Works					
<b>Bridge A7a, A7b, A7c</b>						
<b>Structure Deck</b>						
SA7790	Deck on P703, P704 (Bridge A7a) + Stressing					
SA7820	Deck on P702, P703 (Bridge A7 a) + Stressing					
SA7830	Falsework for Deck A701, P702					
SA7840	Deck on A701, P702 (Bridge A7a) + Stressing					
SA7940	Parapet for Bridge A7b (8 pour) & E&M Works					
SA7950	Parapet for Bridge A7c (38 pour) & E&M Works					
SA7960	Parapet for Bridge A7a (48 pour) & E&M Works					

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SA7980	Bituminous Paving for A7c (400 ton)(KD25)					
SA7990	Bituminous Paving for A7a (400 ton) (KD25)					
<b>Bridge A8</b>						
<b>Structure Deck</b>						
SA8460	Deck on P803, A804 + Stressing					
SA8470	Parapet (26 Pour) & E&M works					
<b>Retaining Walls W1-1, W3-1, W5-1 &amp; W7-1</b>						
<b>Retaining Wall W1-1</b>						
SW1110	Construction of Retaining Wall W1-1 (L-shape, 4 bays)					
SW1120	Retaining Wall W1-1 Backfilling					
<b>Retaining Wall W3-1</b>						
SW3150	Construction of Retaining Wall W3-1 (U-shape, 4 bays)					
SW3160	Backfilling W3-1					
<b>Retaining Wall W5-1</b>						
SW5010	Construction of Retaining Wall W5-1 (L-shape, 5 bays)					
<b>Retaining Wall W7-1</b>						
SW7110	Construction of Retaining Wall W7-1 (U-shape, 4 bays)					
<b>Portion G Buildings</b>						
<b>002 - C&amp;ED Observation Guard Booth No. 1, Portion H1</b>						
C00220	Excavation + Blinding					
C00230	Raft Foundation					
C00240	Superstructure					
<b>002 - C&amp;ED Observation Guard Booth No. 2, Portion H1</b>						
E00210	Excavation + Blinding					
E00220	Raft Foundation					
E00230	Superstructure					
<b>033 Inbound Private Car Exam Building</b>						
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					
C03310	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
<b>Glass Canopy Installation</b>						
B03305	Fabrication of Glass Canopy					
B03360	Steel Frame Installation					
<b>Aluminium Metal Canopy</b>						
B03315	Fabrication of F/C System					
B03320	Casted-in Items Installation					
B03330	Steel Frame Installation					
B03340	Aluminium Cladding Installation					
<b>034 Satellite RCP South</b>						
A03450	Finishing					
A03460	BS for Office Accomodation (Stage 8)					
A03470	BS + E&M for Office Accomodation (Stage 9)					
A03480	Other BS + E&M Installation					
<b>Test &amp; Commission</b>						
C03420	Submission & Issue of WW046 IV, V (Inside Services & FS)					
C03430	Form 314 & 501 submission					
C03440	T&C for BS & Pumps					

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C03450	WSD Inspection					
C03460	FSD Inspection					
C03470	OP Application & TPIDC Inspection					
<b>S S Facade Greenery System</b>						
B03415	Fabrication of SS F/G System					
B03420	Casted-in Items Installation					
B03430	Steel Frame Installation					
<b>035 - Sewage Pumping Station, Portion G</b>						
A03590	Water-tightness Test for Wet Wells					
B03540	Constructing Basement Wall & G/F Slab					
B03550	Water-tightness Test for Inlet Chamber					
B03560	Superstructure works					
B03570	Backfilling					
B03580	BS for Office Accommodations (KD9)					
B03590	BS + E&M for Office Accommodation (KD10)					
C03510	Other BS + E & M Installation					
<b>Test &amp; Commission</b>						
C03530	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
C03550	Form 314 & 501 submission					
<b>051 Transformers (Zone 5)</b>						
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					
<b>T&amp;C and Statutory Inspection for Zone 5</b>						
C05120	T&C for BS & Pumps					
C05130	Essential T&C (FSI)					
C05140	Non-Essential T&C (Non-FSI)					
<b>100 Inbound Traffic Control Kiosk</b>						
A10050	Finishing					
A10070	BS + E&M for AVC SS Works (KD18A)					
B10060	BS + E&M for AVC SS Cabling (KD18B)					
B10070	BS for Office Accommodations (KD9)					
B10090	Other BS + E & M Installation					
C10010	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
C10030	Form 314 & 501 submission					
C10040	T&C for BS & Pumps SWT					
<b>HPL Composite Panel Cladding System</b>						
B10015	Fabrication of F/C System					
B10020	Casted-in Items Installation					
<b>112 Field Kiosk for Taxi Queuing Area</b>						
A11240	Finishing					
A11250	BS + E & M Installation					
A11260	T&C for BS & Pumps SWT					
<b>External Works for Portion G, H1 &amp; H2</b>						
<b>ELV Works within Portion H2 in the Hong Kong Side PTI</b>						
EU1550	ELV Works within Portion H2 in the Hong Kong Side PTI (KD19)					
<b>Works within Portion H1 &amp; H2 except the ELV Works in the Hong Kong Side PTI</b>						
EU1560	Drainage & Sewerage Works within Portion H1 & H2 in the Hong Kong Side PTI (KD20)					

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<b>All Works within the Boundary defined in Drawing No. 60191048/C3/000/C00/1050</b>						
BEU1570	Drainage & Sewerage Works (incl. CLP) within the Boundary defined in Drawing No. 60191048/C3/000/1050					
BEU1580	Roadworks within the Boundary defined in Drawing No. 60191048/C3/000/1050, excluding Portion H1 & H2 & Bridges (KD24)					
<b>Waterpipe Laying</b>						
EW4080	Fresh Water Main Laying (1689m)					
EW4090	Flushing Water Main Laying (411m)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
EU5410	Duct & Cable Laying for TCSS & Lighting					
EU5560	ELV Installation					
<b>Roadworks</b>						
ER4170	Subbase (17045 ton)					
ER4200	Bitumen Pavement (24549 ton)					
ER4210	Rigid Pavement (514 m3), Footpath & EVA					
<b>Road Furniture</b>						
ER4150	Road Furniture					
<b>Sign Gantry DS40, DS41 &amp; DS75</b>						
ES0080	Testing for Pre-bored H Piling					
ES0180	Fabrication & Delivery of Sign Gantrys to Site					
<b>Canopy and Covered Walkway</b>						
CC1310	Shop drawing, Approved & Fabrication					
CC1320	Footing					
CC1330	Steel Frame Installation					
<b>PORTION J</b>						
<b>Portion J Structure</b>						
<b>Bay 30 - 41 of CUE/Staff Subway (Portion J)</b>						
B03260	Internal Finishes & Cable Containment (KD2)					
<b>030 Outbound Private Car &amp; GV Kiosks</b>						
A03020	Pre-fabrication for the Steel Kiosks					
A03030	Superstructure (Incl. Entrance & Toilet)					
A03050	Finishing					
A03060	BS + E&M for AVCSS Works (KD18B)					
A03070	BS for Office Accommodations (KD9)					
A03090	Other BS + E & M Installation					
<b>Portion J Buildings</b>						
<b>024 Outbound Private Car Exam Building</b>						
A02420	Superstructure					
A02430	Finishing (KD9)					
A02440	BS for Office Accommodations (KD18F)					
A02450	BS + E&M for Office Accommodation (KD18G)					
A02460	Other BS + E & M Installation (KD31)					
<b>Test &amp; Commission</b>						
D02410	Submission & Issue of WW046 I, II, III (Inside Services & FS)					
<b>Glass Canopy Installation</b>						
B02415	Fabrication of F/C System					
B02420	Casted-in Items Installation					
B02430	Steel Frame Installation					
B02440	Glass Panel Installation					

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

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Activity ID	Activity Name	2017				
		Apr	May	Jun	Jul	Aug
<b>Aluminium Metal Canopy</b>						
B02455	Fabrication of F/C System	Actual Work				
B02460	Casted-in Items Installation	Actual Work				
B02470	Steel Frame Installation			Remaining Work		
B02480	Aluminium Cladding Installation (KD31)				Remaining Work	
<b>031 Outbound IMMD and DOH Secondary Screen Building</b>						
A03140	Superstructure	Actual Work				
A03150	Finishing (KD31)		Actual Work	Remaining Work		
A03160	BS for Office Accommodations (KD18F)		Actual Work	Remaining Work		
A03170	BS + E&M for Office Accommodation (KD18G)				Remaining Work	
A03180	Other BS + E & M Installation (KD31)			Remaining Work		
<b>Test &amp; Commission</b>						
C03120	Submission & Issue of WW046 I, II, III (Inside Services & FS)			Remaining Work		
C03170	T&C for BS & Pumps				Remaining Work	
<b>060 - Single Storey Support Building Associated with Buildings 044 &amp; 045</b>						
A06025	Finishing	Actual Work		Remaining Work		
A06050	Superstructure (other than transformer room) Construction	Actual Work				
A06055	Energisation by CLP	Actual Work		Remaining Work		
A06060	BS for Office Accommodation (Stage 10) (KD11)			Remaining Work		
A06080	Other BS + E&M Installation				Remaining Work	
<b>T&amp;C and Statutory Inspection for Zone 3a</b>						
B06020	BEE0 Stage II & Accessor Certification Submission				Remaining Work	
B06030	T&C for BS & Pumps				Remaining Work	
B06060	Essential T&C (FSI)				Remaining Work	
B06070	Non-Essential T&C (Non-FSI)				Remaining Work	
B06080	OP Application & TPIDC Inspection				Remaining Work	
<b>Waterworks Ordinance (WSD)</b>						
G06020	Submission of WWO46 - Part I & II (Inside Services)			Remaining Work		
<b>DG License &amp; EPD Generator Approval</b>						
G06000	DG Application			Remaining Work		
<b>061 Telecom Building</b>						
A06150	Finishing (KD9)	Actual Work		Remaining Work		
A06160	BS for Office Accommodations (KD9)	Actual Work		Remaining Work		
A06170	BS + E&M for Office Accommodation (KD10)				Remaining Work	
A06180	Other BS + E & M Installation	Actual Work		Remaining Work		
<b>Aluminium Metal Canopy</b>						
B06115	Fabrication of Aluminium Cladding	Actual Work				
B06120	Casted-in Items Installation			Critical		
B06130	Steel Frame Installation			Critical		
B06140	Aluminium Cladding Installation				Critical	
<b>101 Outbound Traffic Control Kiosk</b>						
A10130	Superstructure (Roof Beams & Slabs)	Actual Work				
A10140	Finishing			Remaining Work		
A10150	BS + E&M for AVCSS Works (KD18A)			Critical		
A10160	BS + E&M for AVCSS Cabling (KD18B)			Remaining Work		
A10170	BS for Office Accommodations (KD9)			Remaining Work		
A10180	BS + E&M for Office Accommodation (KD10)				Remaining Work	
A10190	Other BS + E & M Installation			Remaining Work		
C10110	Submission of WWO46 - Part I & II (Inside Services)			Remaining Work		
<b>HPL Composite Panel Cladding System</b>						

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

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VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES**

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		Apr	May	Jun	Jul	Aug
B10110	Shop Drawing Submission and Approval					
B10120	Fabrication of HPL Cladding					
B10130	Casted-in Items Installation					
<b>206 - Outbound Private Car Mobile X-ray Operation Area</b>						
ER5780	Radiation Screen Wall Construction					
ER5800	Construction of the Area and Access to the Interface Contractor					
<b>External Works for Portion J</b>						
<b>Works in Location 1.7B</b>						
EU1500	ELV Works & T&C in Location 1.7B					
<b>Works in Location 1.7C</b>						
EU1530	ELV Works & T&C in Location 1.7C					
<b>Drainage Works</b>						
ED4220	Drainage Works (1700m & 86MHs), Stage 1					
ED4340	Sewerage (425m & 11MHs), Stage 1					
ED5710	Drainage Works (1697m & 85MHs), Stage 2					
ED5720	Sewerage (425m & 12MHs), Stage 2					
<b>Waterpipe Laying</b>						
EW4230	Fresh Water Main Laying (1541m)					
EW4240	Flushing Water Main Laying (862m)					
SW9290	Chilled Water Pipe Laying in Portion C (external)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
EU5570	ELV Installation					
<b>Roadworks</b>						
ER4320	Subbase (15400 ton), Stage 1					
ER4350	Bitumen Pavement (20000 ton), Stage 1					
ER4360	Rigid Pavement (173 m3), Footpath & EVA, Stage 1					
<b>Sign Gantry DS104</b>						
ES0140	Sign Gantry DS104 P-bored Piling, 8 Nr.					
ES5130	Testing for P-bored Piles					
ES5150	Fabrication & Delivery of Sign Gantrys to Site					
<b>PORTION K, L, M, S &amp; T</b>						
<b>Portion K Building</b>						
<b>002 - C&amp;ED Observation Guard Booth No. 1, Portion K</b>						
A00210	Excavation + Blinding					
A00220	Raft Foundation					
A00230	Superstructure					
<b>002 - C&amp;ED Observation Guard Booth No. 2, Portion K</b>						
B00210	Excavation + Blinding					
B00220	Raft Foundation					
B00230	Superstructure					
<b>Portion M Buildings</b>						
<b>108 - C&amp;ED Mobile X-ray Operation Office, Portion M</b>						
B10800	Excavation + Blinding					
B10810	Substructure (raft Foundation)					
B10840	Superstructure (Roof beams & Slabs)					
B10850	Finishing					
B10860	BS for Office Accommodations (KD9)					
B10880	Other BS + E & M Installation					
<b>HPL Composite Panel Cladding System</b>						

- Actual Work
- Remaining Work
- Critical
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Activity ID	Activity Name	2017				
		Apr	May	Jun	Jul	Aug
C10820	Fabrication of HPL Cladding		[Green bar]			
C10830	Casted-in Items Installation				[Green bar]	
<b>104 DOH Screening Station, at Portion M</b>						
C10400	Excavation + Blinding		[Red bar]			
C10430	Structure (Raft Foundation)		[Red bar]			
C10440	Finishing			[Green bar]		
C10450	BS for Office Accommodations (KD9)			[Red bar]		
C10470	Other BS + E & M Installation				[Red bar]	
<b>Facade Envelop Structure Installation</b>						
D10450	Shop Drawing Submission and Approval					
D10455	Fabrication of F/C System	[Blue bar]	[Green bar]			
D10460	Casted-in Items Installation				[Green bar]	
D10470	Steel Frame Installation					[Green bar]
<b>203 - Outbound Coach/Shuttle Bus Exam Area &amp; Mobile X-ray Operation Area</b>						
ER5770	Radiation Screen Wall Construction	[Blue bar]	[Green bar]			
<b>External Works</b>						
<b>Additional Works (Filling &amp; RE Slope), SA1</b>						
ED3230	C1 Contractor to Completed cooling mains at east Portion (Stage 2)			◆ C1 Contractor to Completed cooling mains at east Portion (Stage 2)		
ED3232	C2 provide permanent access to platform at Portion K				◆ C2 provide permanent access to platform	
ED3234	Removal of temp. access				[Green bar]	
ED3310	C1 Contractor to Complete Footbridge Supports at the South Portion			◆ C1 Contractor to Complete Footbridge Supports at the South Portion		
ED3320	Fill Platform from +11.5PD to near PCB (South)	[Blue bar]	[Green bar]			
ED3330	Add surcharge to Platform at +14.5mPD near PCB (South)				[Green bar]	
ED3340	Consolidation of fill at the Platform (South)				[Green bar]	
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			[Green bar]		
<b>Construction of Slopes</b>						
ED3520	Construct RE slope (West)	[Blue bar]	[Green bar]			
ED3540	Complete planter wall				[Green bar]	
ED3550	Construction of fill slope (North)	[Blue bar]	[Green bar]			
<b>Drainage Works</b>						
ED4370	Drainage Works (1477m & 81MHs), Stage 1 (Eastern)	[Blue bar]	[Green bar]			
ED4490	Sewerage (78m & 2MHs), Stage 1 (Eastern)	[Blue bar]	[Green bar]			
ED5730	Drainage Works (1477m & 80MHs), Stage 2 (Western)			[Green bar]		
ED5740	Sewerage (78m & 3MHs), Stage 2 (Western)			[Green bar]		
<b>Waterpipe Laying</b>						
EW4380	Fresh Water Main Laying (608m), Stage 1 (Eastern)		[Green bar]			
EW4390	Flushing Water Main Laying (13m), Stage 1 (Eastern)		[Green bar]			
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
EU5450	Duct & Cable Laying for TCSS & Lighting		[Green bar]			
<b>Roadworks</b>						
ER4470	Subbase (4600 ton), Stage 1 (Eastern)		[Green bar]			
ER4500	Bitumen Pavement (4500 ton), Stage 1 (Eastern)			[Green bar]		
ER4510	Rigid Pavement (750 m3) & Footpath, Stage 1 (Eastern)			[Green bar]		
<b>Canopy and Covered Walkway</b>						
CC1400	Shop drawing, Approved & Fabrication	[Blue bar]	[Green bar]			
CC1410	Footing			[Green bar]		
<b>PORTION N</b>						
<b>Portion N Structure</b>						

- Actual Work
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Activity ID	Activity Name	2017				
		Apr	May	Jun	Jul	Aug
<b>Box Culvert B</b>						
<b>Bored Pile</b>						
SB0590	Box B - Foundation: Revised as pre-bored H-Piles					
<b>Box Culvert Structure</b>						
SB0720	Box B - Construction (Stage 2)					
SB0722	Box B - Temporary Works for Construction of Outfall Structure					
SB0730	Box B - Outfall Structure					
SB0750	Box B - Backfilling					
<b>Portion N Buildings</b>						
<b>104 DOH Screening Station, at Portion N</b>						
C10405	Excavation + Blinding (+ PL Test)					
C10410	Structure (Raft Foundation)					
C10420	Finishing					
E10410	BS for Office Accommodations (KD9)					
E10430	Other BS + E & M Installation					
<b>Facade Envelop Structure Installation</b>						
D10410	Shop Drawing Submission and Approval					
D10415	Fabrication of F/C System					
D10420	Casted-in Items Installation					
<b>106 C&amp;ED Detention Area Guard Booth</b>						
A10600	Excavation + Blinding					
A10610	Structure (Raft Foundation)					
A10640	Finishing					
E10640	BS for Office Accommodations (KD9)					
E10660	Other BS + E & M Installation					
<b>Facade Envelop Structure Installation</b>						
B10610	Shop Drawing Submission and Approval					
B10615	Fabrication of F/C System					
B10620	Casted-in Items Installation					
B10630	Steel Frame Installation					
<b>107 C&amp;ED Mobile X-ray Operation Office, Portion N</b>						
A10700	Excavation + Blinding					
A10710	Substructure (Raft Foundation)					
A10740	Superstructure					
A10750	Finishing (KD9)					
A10760	Other BS + E & M Installation (KD10)					
<b>HPL Composite Panel Cladding System</b>						
B10710	Shop Drawing Submission and Approval					
B10720	Fabrication of HPL Composite Panel System					
B10730	Casted-in Items Installation					
B10740	Steel Frame Installation					
<b>200 - Inbound/Outbound Vehicle Detection Area</b>						
ER5810	Construction of the Area and Access to the Interface Contractor					
<b>External Works for Portion N</b>						
<b>Works in Location 1.7A</b>						
EU1540	ELV Works & T&C in Location 1.7A					
<b>Drainage Works</b>						
ED4620	Drainage Works (964m & 56MHs), Stage 1 (Southern)					
ED4650	Sewerage (383m & 12MHs), Stage 1 (Southern)					
ED5750	Drainage Works (963m & 55MHs), Stage 2 (Northern)					

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

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Activity ID	Activity Name	2017				
		Apr	May	Jun	Jul	Aug
ED5760	Sewerage (383m & 12MHs), Stage 2 (Northern)					
<b>Waterpipe Laying</b>						
EW4530	Fresh Water Main Laying (641m)					
EW4540	Flushing Water Main Laying (413m)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
EU5460	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
EU5470	Duct & Cable Laying for TCSS & Lighting					
<b>Roadworks</b>						
ER4620	Subbase (6475 ton)					
ER4650	Bitumen Pavement (10144ton)					
ER4660	Rigid Pavement (183 m3), Footpath & EVA					
<b>PORTION P</b>						
<b>Portion Structure</b>						
<b>Retaining Wall RW1</b>						
RW1110	Construction of Retaining Wall RW1 (U-shape, 5 bays)					
<b>Portion P Buildings</b>						
<b>105 IMMD Guard Booth, Portion P</b>						
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					
<b>Facade Envelop Structure Installation</b>						
A10560	Shop Drawing Submission and Approval					
A10565	Fabrication of F/C System					
A10570	Casted-in Items Installation					
A10580	Steel Frame Installation					
<b>External Works for Portion P</b>						
<b>Drainage Works</b>						
AS0160	Initial Survey					
ED4670	Drainage Works (2957m & 128MHs)					
ED4790	Sewerage (269m & 7MHs)					
<b>Waterpipe Laying</b>						
EW4680	Fresh Water Main Laying (1270m)					
EW4690	Flushing Water Main Laying (455m)					
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
EU5480	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					
<b>Roadworks</b>						
ER4770	Subbase (16519 ton)					
ER4800	Bitumen Pavement (23958 ton)					
ER4810	Rigid Pavement (220 m3), Footpath & EVA					
<b>PORTION Q</b>						
<b>External Works for Portion Q</b>						
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>						
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					

- Actual Work
- Remaining Work
- Critical
- Milestone

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30-Apr-17	3MRP updated as of 30 Apr. 2017	ZJ	

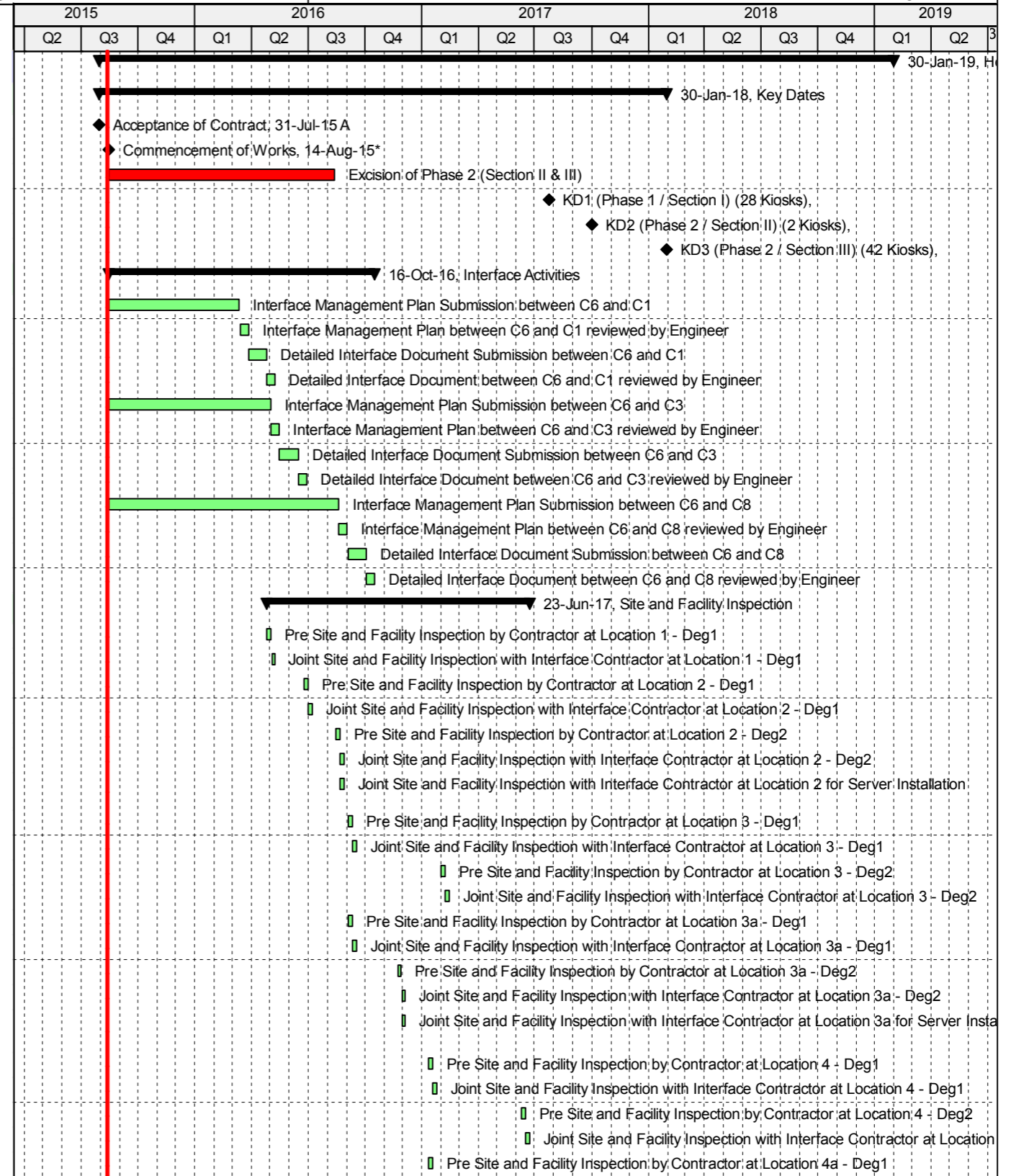
Activity ID		Activity Name		2017				
				Apr	May	Jun	Jul	Aug
<b>Roadworks</b>								
AS0170	Initial Survey				█			
AS1810	C3-S1 Slope Construction						█	█
AS1820	C3-S2 Slope Construction						█	█
<b>PORTION R</b>								
<b>Portion R Building</b>								
<b>002 - C&amp;ED Observation Guard Booth, Portion R</b>								
D00210	Excavation + Blinding			█				
D00220	Raft Foundation			█	█			
D00230	Superstructure					█		
D00240	Finishing						█	█
D00250	BS for Office Accommodations (KD9)						█	█
D00260	BS + E&M for Office Accommodation (KD10)							█
D00270	Other BS + E & M Installation							█
<b>External Works for Portion R</b>								
<b>Drainage Works</b>								
AS0180	Initial Survey			█				
ED4960	Drainage Works (1040m & 70MHs)				█	█		
ED5080	Sewerage (272m & 7MHs)				█	█		
<b>Waterpipe Laying</b>								
EW4970	Fresh Water Main Laying (614m)					█	█	█
EW4980	Flushing Water Main Laying (222m)					█	█	█
<b>Duct Laying for Utilities/Telecom Cabling, TCSS &amp; Lighting</b>								
EU5500	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV					█	█	█
EU5510	Duct & Cable Laying for TCSS & Lighting					█	█	█
EU5610	ELV Installation					█	█	█
<b>Roadworks</b>								
ER5060	Subbase (1734 ton)						█	█
<b>Landscape Works</b>								
A5170	Design and Procurement for Irrigation System							

- Actual Work
- Remaining Work
- Critical
- ◆ Milestone

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Activity ID	Activity Name
<b>Hong Kong-Zhuhai_Macao Bridge Hong Kong Boundary Crossin</b>	
<b>Key Dates</b>	
A1000	Acceptance of Contract
A1010	Commencement of Works
A1020	Excision of Phase 2 (Section II & III)
A1120	KD1 (Phase 1 / Section I) (28 Kiosks)
A1470	KD2 (Phase 2 / Section II) (2 Kiosks)
A1480	KD3 (Phase 2 / Section III) (42 Kiosks)
<b>Interface Activities</b>	
A6860	Interface Management Plan Submission between C6 and C1
A6865	Interface Management Plan between C6 and C1 reviewed by Engineer
A6870	Detailed Interface Document Submission between C6 and C1
A6875	Detailed Interface Document between C6 and C1 reviewed by Engineer
A6880	Interface Management Plan Submission between C6 and C3
A6885	Interface Management Plan between C6 and C3 reviewed by Engineer
A6890	Detailed Interface Document Submission between C6 and C3
A6895	Detailed Interface Document between C6 and C3 reviewed by Engineer
A6900	Interface Management Plan Submission between C6 and C8
A6905	Interface Management Plan between C6 and C8 reviewed by Engineer
A6910	Detailed Interface Document Submission between C6 and C8
A6915	Detailed Interface Document between C6 and C8 reviewed by Engineer
<b>Site and Facility Inspection</b>	
A4730	Pre Site and Facility Inspection by Contractor at Location 1 - Deg1
A4740	Joint Site and Facility Inspection with Interface Contractor at Location 1 - Deg1
A4760	Pre Site and Facility Inspection by Contractor at Location 2 - Deg1
A4770	Joint Site and Facility Inspection with Interface Contractor at Location 2 - Deg1
A4772	Pre Site and Facility Inspection by Contractor at Location 2 - Deg2
A4774	Joint Site and Facility Inspection with Interface Contractor at Location 2 - Deg2
A4775	Joint Site and Facility Inspection with Interface Contractor at Location 2 for Server Installation
A4780	Pre Site and Facility Inspection by Contractor at Location 3 - Deg1
A4790	Joint Site and Facility Inspection with Interface Contractor at Location 3 - Deg1
A4800	Pre Site and Facility Inspection by Contractor at Location 3 - Deg2
A4810	Joint Site and Facility Inspection with Interface Contractor at Location 3 - Deg2
A4820	Pre Site and Facility Inspection by Contractor at Location 3a - Deg1
A4830	Joint Site and Facility Inspection with Interface Contractor at Location 3a - Deg1
A4840	Pre Site and Facility Inspection by Contractor at Location 3a - Deg2
A4850	Joint Site and Facility Inspection with Interface Contractor at Location 3a - Deg2
A4851	Joint Site and Facility Inspection with Interface Contractor at Location 3a for Server Installation
A4860	Pre Site and Facility Inspection by Contractor at Location 4 - Deg1
A4870	Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg1
A4880	Pre Site and Facility Inspection by Contractor at Location 4 - Deg2
A4890	Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg2
A4891	Pre Site and Facility Inspection by Contractor at Location 4a - Deg1



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





Activity ID	Activity Name	2015		2016				2017				2018				2019	
		Q2	Q3	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
A5360	Pre Site and Facility Inspection by Contractor at Location 16 - Deg2																
A5370	Joint Site and Facility Inspection with Interface Contractor at Location 16 - Deg2																
A5375	Pre Site and Facility Inspection by Contractor at Location 17 - Deg1																
A5378	Joint Site and Facility Inspection with Interface Contractor at Location 17 - Deg1																
A5380	Pre Site and Facility Inspection by Contractor at Location 17 - Deg2																
A5390	Joint Site and Facility Inspection with Interface Contractor at Location 17 - Deg2																
A5395	Pre Site and Facility Inspection by Contractor at Location 18 - Deg1																
A5396	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg1																
A5400	Pre Site and Facility Inspection by Contractor at Location 18 - Deg2																
A5410	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg2																
A5420	Pre Site and Facility Inspection by Contractor at Location 19 - Deg1																
A5430	Joint Site and Facility Inspection with Interface Contractor at Location 19 - Deg1																
A5440	Pre Site and Facility Inspection by Contractor at Location 19 - Deg2																
A5450	Joint Site and Facility Inspection with Interface Contractor at Location 19 - Deg2																
A5470	Pre Site and Facility Inspection by Contractor at Inbound Vehicle Clearance Plaza																
A5480	Joint Site and Facility Inspection with Interface Contractor at Inbound Vehicle Clearance Plaza																
A5490	Pre Site and Facility Inspection by Contractor at Outbound Vehicle Clearance Plaza																
A5550	Joint Site and Facility Inspection with Interface Contractor at Outbound Vehicle Clearance Plaza																
<b>Access Dates</b>		<ul style="list-style-type: none"> <li>◆ Location 1(PCB (001) Basement)-Deg1 (270d), 10-May-16*</li> <li>◆ Location 1(PCB (001) ELV Room (Grid Line E3))-Deg1 (270d), 10-May-16*</li> <li>◆ Location 2(PCB (001) First Floor Main Server Room)-Deg1 (330d), 09-Jul-16*</li> <li>◆ Location 2(PCB (001) First Floor Main Server Room)-Deg2 (380d), 28-Aug-16*</li> <li>◆ Location 2(PCB (001) First Floor Main Server Room) - For Server Installation, 28-Aug-16*</li> <li>◆ Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) - Deg1 (330d), 09-Jul-16*</li> <li>◆ Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg1 (330d), 09-Jul-16*</li> <li>◆ Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg2 (380d), 28-Aug-16*</li> <li>◆ Location 3(Inbd Cargo Exam Bldg (037) MDF Room)-Deg1 (400d), 17-Sep-16*</li> <li>◆ Location 3(Inbd Cargo Exam Bldg (037) ELV Room)-Deg1 (400d), 17-Sep-16*</li> <li>◆ Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg1 (400d), 17-Sep-16*</li> <li>◆ Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg2 (500d), 17-Sep-16*</li> <li>◆ Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,140,141)-Deg1 (400d), 17-Sep-16*</li> <li>◆ Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,140,141)-Deg2 (500d), 17-Sep-16*</li> <li>◆ Location 3a(Inbd Cargo Exam Bldg ROCARS Room)-Deg1 (-), 17-Sep-16*</li> <li>◆ Location 3a(Inbd Cargo Exam Bldg ROCARS Room)-Deg2 (480d), 06-Dec-16*</li> <li>◆ Location 3a(Inbd Cargo Exam Bldg Main Server Room)-Deg1 (-), 17-Sep-16*</li> <li>◆ Location 3a(Inbd Cargo Exam Bldg Main Server Room)-Deg2 (480d), 06-Dec-16*</li> <li>◆ Location 3a(Inbd Cargo Exam Bldg Main Server Room) - For Server installation, 06-Dec-16*</li> <li>◆ Location 4(Outbd Cargo Exam Bldg (023))-Deg1 (530d), 25-Jan-17*</li> <li>◆ Location 4(Outbd Cargo Exam Bldg (023))-Deg2 (680d), 24-Jun-17*</li> <li>◆ Location 4a(Outbd Cargo Exam Bldg (023))-Deg1 (-), 25-Jan-17*</li> </ul>															

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- █ Actual Level of Effort
- █ Actual Work
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Hong Kong-Zhuhai-Macao Bridge  
Hong Kong Boundary Crossing  
Facilities - Automatic Vehicle  
Clearance Support System (AVCSS)



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		Q2	Q3	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
A1162	Location 4a(Outbd Cargo Exam Bldg (023))-Deg2 (630d)																	◆ Location 4a(Outbd Cargo Exam Bldg (023))-Deg2 (630d), 05-May-17*
A1170	Location 5(Common Utility Enclosure & Staff Subway)-Deg1 (320d)																	◆ Location 5(Common Utility Enclosure & Staff Subway)-Deg1 (320d), 29-Jun-16*
A1180	Location 5(Common Utility Enclosure & Staff Subway)-Deg2 (-)																	◆ Location 5(Common Utility Enclosure & Staff Subway)-Deg2 (-), 16-Nov-16*
A1190	Location 6(Common Utility Enclosure & Staff Subway)-Deg1 (400d)																	◆ Location 6(Common Utility Enclosure & Staff Subway)-Deg1 (400d), 17-Sep-16*
A1200	Location 6(Common Utility Enclosure & Staff Subway)-Deg2 (-)																	◆ Location 6(Common Utility Enclosure & Staff Subway)-Deg2 (-), 06-Nov-16*
A1210	Location 7(Common Utility Enclosure & Staff Subway)-Deg1 (270d)																	◆ Location 7(Common Utility Enclosure & Staff Subway)-Deg1 (270d), 10-May-16*
A1230	Location 8(Inbd Private Car Annex (025))-Deg1 (430d)																	◆ Location 8(Inbd Private Car Annex (025))-Deg1 (430d), 17-Oct-16*
A1240	Location 8(Inbd Private Car Annex (025))-Deg2 (580d)																	◆ Location 8(Inbd Private Car Annex (025))-Deg2 (580d), 16-May-17*
A1241	Location 8(Inbd Private Car Annex (025) Canopy)-Deg1 (430d)																	◆ Location 8(Inbd Private Car Annex (025) Canopy)-Deg1 (430d), 17-Oct-16*
A1242	Location 8(Inbd Private Car Annex (025) Canopy)-Deg2 (580d)																	◆ Location 8(Inbd Private Car Annex (025) Canopy)-Deg2 (580d), 16-May-17*
A1250	Location 9(Outbd Private Car Annex (032))-Deg1 (520d)																	◆ Location 9(Outbd Private Car Annex (032))-Deg1 (520d), 15-Jan-17*
A1260	Location 9(Outbd Private Car Annex (032))-Deg2 (660d)																	◆ Location 9(Outbd Private Car Annex (032))-Deg2 (660d), 04-Jun-17*
A1261	Location 9(Outbd Private Car Annex (032) Canopy)-Deg1 (520d)																	◆ Location 9(Outbd Private Car Annex (032) Canopy)-Deg1 (520d), 15-Jan-17*
A1262	Location 9(Outbd Private Car Annex (032) Canopy)-Deg2 (660d)																	◆ Location 9(Outbd Private Car Annex (032) Canopy)-Deg2 (660d), 04-Jun-17*
A1270	Location 10(Shuttle Bus Kiosks (006))-Deg1 (480d)																	◆ Location 10(Shuttle Bus Kiosks (006))-Deg1 (480d), 06-Dec-16*
A1280	Location 10(Shuttle Bus Kiosks (006))-Deg2 (550d)																	◆ Location 10(Shuttle Bus Kiosks (006))-Deg2 (550d), 14-Feb-17*
A1281	Location 10(Shuttle Bus Kiosks (006) Canopy)-Deg1 (480d)																	◆ Location 10(Shuttle Bus Kiosks (006) Canopy)-Deg1 (480d), 06-Dec-16*
A1282	Location 10(Shuttle Bus Kiosks (006) Canopy)-Deg2 (550d)																	◆ Location 10(Shuttle Bus Kiosks (006) Canopy)-Deg2 (550d), 14-Feb-17*
A1290	Location 11(Outbd Coach Kiosks (009))-Deg1 (400d)																	◆ Location 11(Outbd Coach Kiosks (009))-Deg1 (400d), 17-Sep-16*
A1300	Location 11(Outbd Coach Kiosks (009))-Deg2 (480d)																	◆ Location 11(Outbd Coach Kiosks (009))-Deg2 (480d), 06-Dec-16*
A1301	Location 11(Outbd Coach Kiosks (009) Canopy)-Deg1 (400d)																	◆ Location 11(Outbd Coach Kiosks (009) Canopy)-Deg1 (400d), 17-Sep-16*
A1302	Location 11(Outbd Coach Kiosks (009) Canopy)-Deg2 (480d)																	◆ Location 11(Outbd Coach Kiosks (009) Canopy)-Deg2 (480d), 06-Dec-16*
A1303	Location 11(Inbd Coach Kiosks (010))-Deg1 (400d)																	◆ Location 11(Inbd Coach Kiosks (010))-Deg1 (400d), 17-Sep-16*
A1304	Location 11(Inbd Coach Kiosks (010))-Deg2 (480d)																	◆ Location 11(Inbd Coach Kiosks (010))-Deg2 (480d), 06-Dec-16*
A1305	Location 11(Inbd Coach Kiosks (010) Canopy)-Deg1 (400d)																	◆ Location 11(Inbd Coach Kiosks (010) Canopy)-Deg1 (400d), 17-Sep-16*
A1306	Location 11(Inbd Coach Kiosks (010) Canopy)-Deg2 (480d)																	◆ Location 11(Inbd Coach Kiosks (010) Canopy)-Deg2 (480d), 06-Dec-16*
A1310	Location 12(Inbd Private Car Kiosks(027))-Deg1 (400d)																	◆ Location 12(Inbd Private Car Kiosks(027))-Deg1 (400d), 17-Sep-16*
A1311	Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d)																	◆ Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d), 06-Dec-16*
A1312	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg1 (400d)																	◆ Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg1 (400d), 17-Sep-16*
A1313	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d)																	◆ Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d), 06-Dec-16*
A1314	Location 12(Inbd GV Kiosks (028))-Deg1 (400d)																	◆ Location 12(Inbd GV Kiosks (028))-Deg1 (400d), 17-Sep-16*
A1315	Location 12(Inbd GV Kiosks (028))-Deg2 (480d)																	◆ Location 12(Inbd GV Kiosks (028))-Deg2 (480d), 06-Dec-16*
A1316	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d)																	◆ Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d), 17-Sep-16*
A1317	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d)																	◆ Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d), 06-Dec-16*
A1318	Location 12(Outbd GV Kiosks (029))-Deg1 (400d)																	◆ Location 12(Outbd GV Kiosks (029))-Deg1 (400d), 17-Sep-16*
A1319	Location 12(Outbd GV Kiosks (029))-Deg2 (480d)																	◆ Location 12(Outbd GV Kiosks (029))-Deg2 (480d), 06-Dec-16*
A1320	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d)																	◆ Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d), 17-Sep-16*
A1321	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d)																	◆ Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d), 06-Dec-16*
A1330	Location 13(Outbd Private Car Kiosks (030))-Deg1 (480d)																	◆ Location 13(Outbd Private Car Kiosks (030))-Deg1 (480d), 06-Dec-16*
A1340	Location 13(Outbd Private Car Kiosks (030))-Deg2 (550d)																	◆ Location 13(Outbd Private Car Kiosks (030))-Deg2 (550d), 14-Feb-17*
A1341	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg1 (480d)																	◆ Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg1 (480d), 06-Dec-16*
A1342	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg2 (550d)																	◆ Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg2 (550d), 14-Feb-17*
A1350	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg1 (610d)																	◆ Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg1 (610d), 15-Apr-17*
A1370	Location 15(Inbd Traffic Control Kiosk (100))-Deg1 (400d)																	◆ Location 15(Inbd Traffic Control Kiosk (100))-Deg1 (400d), 17-Sep-16*
A1380	Location 15(Inbd Traffic Control Kiosk (100))-Deg2 (480d)																	◆ Location 15(Inbd Traffic Control Kiosk (100))-Deg2 (480d), 06-Dec-16*

Programme No.: HZMB-DWP Data Date: 14-Aug-15	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: blue; border: 1px solid black;"></span> Actual Level of Effort</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: red; border: 1px solid black;"></span> Actual Work</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: green; border: 1px solid black;"></span> Remaining Work</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: red; border: 1px solid black;"></span> Critical Remaining Work</li> <li><span style="display: inline-block; width: 0; height: 0; border-left: 5px solid transparent; border-right: 5px solid transparent; border-bottom: 8px solid black;"></span> Milestone</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: black; border: 1px solid black;"></span> summary</li> </ul>	Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Date</th> <th>Revision</th> <th>Checked</th> <th>Approved</th> </tr> <tr> <td>14-Nov-16</td> <td>Rev.: 0</td> <td>WC</td> <td>LC</td> </tr> </table>	Date	Revision	Checked	Approved	14-Nov-16	Rev.: 0	WC	LC
Date	Revision	Checked	Approved									
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Activity ID	Activity Name	2015		2016				2017				2018				2019	
		Q2	Q3	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
A1390	Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d)																
A1400	Location 16(Outbd Traffic Control Kiosk (101))-Deg2 (480d)																
A1410	Location 17(Inbd Private Car Exam Bldg(033))-Deg1 (-)																
A1420	Location 17(Inbd Private Car Exam Bldg(033))-Deg2 (550d)																
A1430	Location 18(Outbd Private Car Exam Bldg(024))-Deg1 (-)																
A1440	Location 18(Outbd Private Car Exam Bldg(024))-Deg2 (670d)																
A1450	Location 19(DOH Cargo Clearance Bldg(043))-Deg1 (-)																
A1460	Location 19(DOH Cargo Clearance Bldg(043))-Deg2 (550d)																
A1461	Underground Ducting between Inbd Cargo Exam Bldg (037) and DOH Cargo Clearance Bldg (043) and CUE																
A1462	Underground Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clearance Plaza																
A1463	Underground Ducting between CUE and Outbd Car Exam Bldg (023)																
A1464	Underground Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle Clearance Plaza																
A1465	Underground Ducting between CUE and Outbd Vehicle Clearance Plaza																
A1466	Underground Ducting between CUE and Inbd P. Car Annex (025) and Shuttle Bus Kiosks (006)																
A1467	Underground Ducting between PCB(001) and Inbd Coach Kiosks(010)																
A1468	Underground Ducting between CUE and Outbd PCA (032)																
A1478	Inbound Vehicle Clearance Plaza (Assume same as Location 3)																
A1488	Outbound Vehicle Clearance Plaza (Assume same as Location 4 degree 1 + 51 day)																
<b>Interfaces Provisions</b>																	
A7000	Inbound VID foundation and mounting structure (assume same as Access date of Inbound Vehicle Clearance Plaza)																
A7010	Inbound VTS foundation and mounting poles (assume same as Access date of Inbound Vehicle Clearance Plaza)																
A7020	Inbound TLS foundation and mounting poles (assume same as Access date of Inbound Vehicle Clearance Plaza)																
A7030	Outbound VID foundation and mounting structure (assume same as Access date of Outbound Vehicle Clearance Plaza)																
A7040	Outbound VTS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza)																
A7050	Outbound TLS foundation and mounting poles (assume same as Access date of Outbound Vehicle Clearance Plaza)																
<b>WA4 Site Erection &amp; Servicing</b>																	
A1740	Possession of Site																
A1750	Method Statement & Drawing																
A1760	Place Order to prepare materials																
A1770	Review, revise and approve method statement																
A1780	Equipment mobilization and construction material delivered to the site																
A1790	Set up the alignment and level of the u-channel																
A1800	Trial pit excavation																
A1801	Excavation for chain-link fence footing																
A4540	Underground Utility detection																
A4550	Delivery of asphalt and fencing materials																
A4560	Trimming and leveling soil surface for paving asphalt material																
A4570	Remove the vegetation and lose material on the soil surface by backhoe																
A4580	Set out the alignment and level of the u-channel																

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Facilities - Automatic Vehicle  
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		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																	
<b>Detailed Design Specification</b>																		
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)																	
<b>Construction Design and Management</b>																		
A6920	Construction Health and Safety Plan Submission																	
A6930	Construction Health and Safety Plan reviewed by Engineer																	
<b>Supply/Manufacture Mock-up items</b>																		
A4749	Preparation of Kiosk equipment Mock-up																	
A4750	Installation of Kiosk equipment Mock-up																	
<b>Supply/Manufacture prototypes</b>																		
A2900	Manufacture LED Display Prototype (VID, ODB and XDB)																	
A2910	Manufacture All-In-One Panel Prototype (AIOP)																	
<b>Software Design, Coding and Testing</b>																		

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		Q2	Q3	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Coding</b>		05-Jan-17, Coding CCS, SURCON, SYSCON, CDDBS Development Stage 1 VTS Development Stage 1 VIDS Development Stage 1 CCS, SURCON, SYSCON, CDDBS Development Stage 2 VTS Development Stage 2 VIDS Development Stage 2															
<b>Software System Inetgration</b>		22-May-17, Software System Inetgration Test Plan Documentation Submission Engineer's Review and Approval for Test Plan Documentation Submission Software System Integration Test CCS/SYSCON/SURCON/CDDBS/VTS/VIDS Software Enhancement Software User Acceptance Test (UAT)															
<b>Prototype &amp; Software Simulation Tests</b>		09-Sep-16, Prototype & Software Simulation Tests Prototype Test Document Engineer's Approval for Testing Document CCWS with CDDBS, SURCON and SYSCON (Software Simulation/ Software Integration Test) Vehicle Tracking System (VTS) (Software Simulation/ Software Integration Test) LED Displays (VID, ODB and XDB) All-In-One Panel (AIOP) Prototype Testing Report Submission Engineer's Approval for Prototype Testing Report															
<b>Procurement - Phase 1 / Section I</b>		27-Dec-16, Procurement - Phase 1 / Section I Procurement of Equipment for Phase 1/Section I Procurement of Cable and Accessories for Phase 1 /Section I Procurement of All Servers and Workstations															
<b>Supply/Manufacture products for FAT</b>		10-Nov-16, Supply/Manufacture products for FAT Supply/Manufacture LED Display (ODB, VID and XDB) for FAT Supply/Manufacture All-In-One Panel (AIOP) for FAT Supply/Manufacture off-the-shelf equipment for FAT															
<b>Factory Acceptance Test (FAT)</b>		12-Dec-16, Factory Acceptance Test (FAT) FAT Procedure Document Engineer's Approval for FAT Procedure Document FAT for Licence Plate Recognition System (LPRS) FAT for PA/Intercom FAT for ODB FAT for XDB FAT for VID FAT for Video Management System (VMS) FAT for Vehicle Tracking System (VTS) FAT for Communication Network (CMN) FAT for All-In-One Panel (AIOP) FAT for AVCSS System Test FAT Report Submission															

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A4370	Engineer's Approval for FAT Report Submission																			
<b>Supply/Manufacture Equipment</b>																				
A6830	Supply/Manufacture LED (ODB, VID and XDB) Display for installation																			
A6840	Supply/Manufacture AIOF for installation																			
<b>Delivery and Bench Acceptance Test for Phase 1/ Section I</b>																				
A6740	Material On-Site for Phase 1/Section I																			
A6750	Material Bench Acceptance Test for Phase 1/Section I																			
A6850	Cable On-Site for Phase 1/Section I																			
A6960	AIOF On-Site for Phase 1/Section I																			
A6970	AIOF Bench Acceptance Test for Phase 1/Section I																			
A6980	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																			
<b>Installation - Phase 1 / Section I</b>																				
<b>Location 1(PCB (001) Basement)</b>																				
A3081	Cable Laying and termination at Location 1 and Location 2																			
<b>Location 1(PCB (001) ELV Room (Grid Line E3))</b>																				
A3101	Cable Laying and termination at Location 1 and Location 2																			
<b>Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3))</b>																				
A3121	Cable Laying and termination at Location 1 and Location 2																			
<b>Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD))</b>																				
A2041	Cable Laying and termination at Location 1 and Location 2																			
A2042	Cable Testing																			
A2043	Intercom and PA system Installation																			
A2044	Intercom and PA system tuning																			
<b>Location 2(PCB (001) First Floor Main Server Room)</b>																				
A2001	Cable Laying and termination at Location 1 and Location 2																			
A2002	Cable Testing																			
A2003	AVCSS Network and Server Installation																			
A2004	AVCSS Network and Server Tuning																			
<b>Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,12)</b>																				
A3241	Cable Laying and termination in Location 3 and Location 3a																			
A3242	AVCSS SURCON WS and 55" LCD Installation																			
A3243	VTS WS Installation																			
A3245	SURCON, WS Tuning																			
<b>Location 3(Inbd Cargo Exam Bldg (037) ELV Room)</b>																				
A3210	Cable Laying and termination between Location 3 and CUE																			
<b>Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)</b>																				
A2071	Cable Laying and termination in Location 3 and Location 3a																			
A2072	AVCSS SYSCON WS and 55" TV Wall Installation																			
A2074	AVCSS SYSCON WS Tuning																			
<b>Location 3(Inbd Cargo Exam Bldg (037) MDF Room)</b>																				
A3190	Cable Laying and termination between Location 3 and CUE																			
<b>Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room)</b>																				
A2091	Cable Laying and termination in Location 3 and Location 3a																			
A2092	AVCSS SYSCON,SURCON and Intercom Installation																			

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A2093	VTS WS Installation																
A2094	VID WS Installation																
A2096	SURCON, SYSCON, WS Tuning																
<b>Location 3a(Inbd Cargo Exam Bldg Main Server Room)</b>																	
A3330	Cable Laying and termination in Location 3 and Location 3a																
A3340	AVCSS Server Installation																
A3350	VTS Server Installation																
A3360	Servers Tuning																
<b>Location 4(Outbd Cargo Exam Bldg (023) MDF Room)</b>																	
A3410	Cable Laying and termination between CUE and Location 4																
<b>Location 4 and 4a(Outbd Cargo Exam Bldg (023) ROCARS Room)</b>																	
A3370	Cable Laying and termination in Location 4 and 4a																
A3380	AVCSS SYSCON, SURCON and Intercom Installation																
A3390	VTS WS Installation																
A3400	SYSCON, SURCON, WS Tuning																
<b>Location 5(Common Utility Enclosure &amp; Staff Subway)</b>																	
A3430	Cable Laying between Location 5 and Location 7																
A3440	Cable Laying between Location 5 and Location 6																
A3480	ODB Switch Installation at EL Room 2-7																
<b>Location 6(Common Utility Enclosure &amp; Staff Subway)</b>																	
A3450	Cable Laying between Location 5 and Location 6																
A3490	ODB Switch Installation at EL Room 8-9,11-12																
<b>Location 7(Common Utility Enclosure &amp; Staff Subway)</b>																	
A3470	Cable Laying between Location 5 and Location 7																
<b>Location 12(Inbd Private Car Kiosks,GV Kiosks (027,028,029))</b>																	
<b>Inbd Private Car Kiosks(027) - 9 nos (Phase 1)</b>																	
A2452	Cable Containment in Kiosks																
A2453	Cable Laying and termination																
A2454	Cable Splicing, Testing and Labeling																
A2460	AVCSS/DOH/MOM Kiosk Equipment Installation (9 nos)																
A2470	ODB & XDB installation (9 nos)																
A4380	Inbd Private Car Kiosk Installation Complete																
<b>Inbd Goods Vehicle Kiosks(028) - 5 nos (Phase 1)</b>																	
A2532	Cable Containment in Kiosks																
A2533	Cable Laying and termination																
A2534	Cable Splicing, Testing and Labeling																
A2540	AVCSS/DOH/MOM Kiosk Equipment Installation (5 nos)																
A2550	AIOP Installation (5 nos)																
A2560	ODB & XDB installation (5 nos)																
A4390	Inbd Goods Vehicle Kiosks Installation Complete																
<b>Outbd Goods Vehicle Kiosks(029) - 5 nos (Phase 1)</b>																	
A2572	Cable Containment in Kiosks																
A2573	Cable Laying and termination																
A2574	Cable Splicing, Testing and Labeling																
A2580	AVCSS/DOH/MOM Kiosk Equipment Installation (5 nos)																

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A2590	AIOP Installation (5 nos)																	
A2600	ODB & XDB installation (5 nos)																	
A4400	Outbd Goods Vehicle Kiosks Installation Complete																	
<b>Location 13(Outbd Private Car Kiosks (030)) - 9 nos (Phase 1)</b>																		
A3582	Cable Containment in Kiosks																	
A3583	Cable Laying and termination																	
A3584	Cable Splicing, Testing and Labeling																	
A3590	AVCSS/DOH/MOM Kiosk Equipment Installation (9 nos)																	
A3600	ODB & XDB installation (9 nos)																	
A4410	Outbd Private Car Kiosks Installation Complete																	
<b>Location 14(Future-Outbd/Inbd Private Car Kiosks) - 6+6 nos</b>																		
A2441	Cable Laying and termination at ELV Room in CUE																	
<b>Location 15(Inbd Traffic Control Kiosk (100))</b>																		
A3651	Cable Laying and termination																	
A3652	AVCSS SYSCON, SURCON Installation																	
A3660	VTS WS and 55" LCD Installation																	
A3670	SYSCON, SURCON, WS Tuning																	
<b>Location 16(Outbd Traffic Control Kiosk (101))</b>																		
A3701	Cable Laying and termination																	
A3702	AVCSS SYSCON, SURCON Installation																	
A3710	VTS WS and 55" LCD Installation																	
<b>Location 17(Inbd Private Car Exam Bldg(033) Operational Office)</b>																		
A3750	Cable Laying and termination																	
A3760	AVCSS SURCON and 55" LCD Installation																	
A3770	SURCON Tuning																	
<b>Location 18 (Outbd Private Car Exam Bldg(024) Operational Office)</b>																		
A3780	Cable Laying and termination																	
A3790	AVCSS SURCON and 55" LCD Installation																	
<b>Location 19 (DOH Cargo Clearance Bldg(043))</b>																		
A2111	Cable Laying and termination between Location 19 and CUE																	
A2112	Cable Laying in Location 19																	
A2113	PA and Intercom Installation																	
A2123	PA and Intercom Tuning																	
<b>Inbd Vehicle Clearance Plaza - 8 nos VID, 7 nos VTS, 4 nos TLS</b>																		
A4050	Inbound VID cabling from pillar box to VID field equipment																	
A4052	Inbound VTS cabling from pillar box to VTS field equipment																	
A4054	Inbound TLS cabling from pillar box to TLS field equipment																	
A4060	Inbound VID field equipment installation (8 VID)																	
A4062	Inbound VTS field equipment installation (4 RFID + 3 Cameras)																	
A4064	Inbound TLS field equipment installation (4 TLS)																	
A4066	Inbound VID, VTS and TLS field equipment tuning																	
<b>Outbd Vehicle Clearance Plaza - 8 nos VID, 6 nos VTS, 4 nos TLS</b>																		
A4110	Outbound VID cabling from pillar box to VID field equipment																	
A4120	Outbound VTS cabling from pillar box to VTS field equipment																	
A4130	Outbound TLS cabling from pillar box to TLS field equipment																	

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A4140	Outbound VID field equipment installation (8 VID)																
A4150	Outbound VTS field equipment installation (3 RFID + 3 Cameras)																
A4170	Outbound TLS field equipment installation (4 TLS)																
A4180	Outbound VID, VTS and TLS field equipment tuning																
<b>Underground Ducting between Inbd Cargo Exam Bldg (037) and CUE</b>																	
A3810	Cable Laying and termination (note: Access Date by C03)																
<b>Underground Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clea</b>																	
A3830	Cable Laying and termination (note: Access Date by C03)																
<b>Underground Ducting between CUE and Outbd Car Exam Bldg (023)</b>																	
A3850	Cable Laying and termination (note: Access Date by C03)																
<b>Underground Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle C</b>																	
A3870	Cable Laying and termination (note: Access Date by C03)																
<b>Underground Ducting between CUE and Outbd Vehicle Clearance Plaza</b>																	
A3890	Cable Laying and termination (note: Access Date by C03)																
<b>On-Site Test and Commissioning (Phase 1 / Section I)</b>																	
A2150	Testing & Commissioning Documents Submission (8 weeks before Testings carried out)																
A2151	Engineer Approval for T&C Document																
A2152	Joint Site Inspection for Permanent Power/Tele-communication for Initial on-site testing																
A2153	Initial on-site Testing & Commissioning																
<b>Site Acceptance Test (Phase 1 / Section I)</b>																	
A6601	Interface Readiness CED(LBS, CED IT, Metro-Ethernet) and IMMD (AVS)																
A6602	SAT for AVCSS																
A6603	SAT for Location 18 (AVCSS SURCON and 55" LCD)																
A6630	SAT Test Document Submission																
A6640	Software Manual Documentations Submission																
<b>Security Risk Assessment and Audit</b>																	
A6800	SRAA (Assessment)																
A6810	Fix per SRAA Assessment																
A6820	SRAA Audit																
<b>Operability Period Test (Phase 1 / Section I)</b>																	
A5610	Joint Site Inspection for utilities, telecom connection and metro ethernet for OPT																
A5620	Operability Period Test (OPT) Phase 1																
A5650	Operability Period Test (OPT) Phase 2																
<b>Completion (Phase 1 /Section I)</b>																	
A2230	AVCSS - Certificate of Completion (Phase 1/Section I)																
A2231	Certificate of Completion Approval by Engineer																
<b>Training and Document (Phase 1 /Section I)</b>																	
A2180	Training Materials & Documentation Submission																
A2190	Operation and Maintenance Training																
<b>Operation (Phase 1 /Section I)</b>																	
A2240	Site Operation (Phase 1/Section I)																
<b>Engineering Support for Phase 1 / Section I</b>																	

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A4420	Engineering Support for Phase 1/Section I																
<b>Procurement - Phase 2 / Section II</b>																	
A3980	Procurement of Lane Field Equipment for Phase 2/Section II																
<b>Delivery and Bench Acceptance Test for Phase 2/Section II</b>																	
A6760	Material On-site for Phase 2/Section II																
A6770	Bench Acceptance Test for Phase 2/Section II																
<b>Instatllation - Phase 2 / Section II</b>																	
<b>Location 8(Inbd Pricate Car Annex (025)) (Phase 2)</b>																	
A4090	Site Preparation																
A4091	Cable Containment in Kiosks																
A4093	Cable Laying and termination																
A4094	Cable Splicing, Testing and Labeling																
A4096	Mobilization of kiosk equipment																
A4100	AVCSS/DOH/MOM Kiosk Equipment Installation (1 no)																
A4430	Inbd Private Car Annex Installation Complete																
<b>Location 9(Outbd Private Car Annex (032)) (Phase 2)</b>																	
A4151	Site Preparation																
A4152	Cable Containment in Kiosks																
A4153	Cable Laying and termination																
A4154	Cable Splicing, Testing and Labeling																
A4156	Mobilization of kiosk equipment																
A4160	AVCSS/DOH/MOM Kiosk Equipment Installation (1 no)																
A4440	Outbd Private Car Annex Installation Complete																
<b>Test and Commissioning (Phase 2 / Section II)</b>																	
A2290	Testing & Commissioning Documents Submission																
A2291	Engineer Approval for T&C Document																
A2292	Initial on-site Testing & Commissioning																
A2300	Site Acceptance Tests (SAT)																
A2310	Operability Period Test (OPT)																
<b>Completion (Phase 2 / Section II)</b>																	
A2320	AVCSS - Certificate of Completion (Phase 2/Section II)																
A4320	Certificate of Completion Approval by Engineer																
<b>Engineering Support for Phase 2 / Section II</b>																	
A4450	Engineering Support for Phase 2/Section II																
<b>Procurement for Phase2 / Section III</b>																	
A4000	Procurement of Lane Field Equipment for Phase 2/Section III																
<b>Delivery and Bench Acceptance Test for Phase2 / Section III</b>																	
A6780	Material On-site for Phase 2/Section III																
A6790	Bench Acceptance Test for Phase 2/Section III																
<b>Installation - Phase 2 / Section III</b>																	
<b>Location 10,11,12,13 (Vehicle Clearance Kiosks)</b>																	
<b>Shuttle Bus Kiosks (006) - 4 nos (Phase 2)</b>																	
A2622	Cable Containment																

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A2623	Cable Laying and termination																
A2630	AVCSS/DOH/MOM Kiosk Equipment Installation (4 nos)																
A4460	Shuttle Bus Kiosks Installation Complete																
<b>Outbd Coach Kiosks (009) - 4 nos (Phase 2)</b>																	
A2662	Cable Containment																
A2663	Cable Laying and termination																
A2670	AVCSS/DOH/MOM Kiosk Equipment Installation (4 nos)																
A4470	Outbd Coach Kiosks Installation Complete																
<b>Inbd Private Car Kiosks (027) - 12 nos (Phase 2)</b>																	
A2742	Cable Containment																
A2743	Cable Laying and termination																
A2744	Cable Splicing, Testing and Labeling																
A2750	AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)																
A2760	Kiosk Equipment Configuration (12 nos)																
A4490	Inbd Private Car Kiosks Installation Complete																
<b>Outbd Private Car Kiosks (030) - 12 nos (Phase 2)</b>																	
A2782	Cable Containment																
A2783	Cable Laying and termination																
A2784	Cable Splicing, Testing and Labeling																
A2790	AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)																
A4500	Outbd Private Car Kiosks Installation Complete																
<b>Inbd Goods Vehicle Kiosks (028) - 3 nos (Phase 2)</b>																	
A2822	Cable Containment																
A2823	Cable Laying and termination																
A2825	Kiosk Equipment Configuration (3 nos)																
A2830	AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)																
A4510	Inbd Goods Vehicle Kiosks Installation Complete																
<b>Outbd Goods Vehicle Kiosks (029) - 3 nos (Phase 2)</b>																	
A2862	Cable Containment																
A2863	Cable Laying and termination																
A2865	Cable Splicing, Testing and Labeling																
A2870	AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)																
A4520	Outbd Goods Vehicle Kiosks Installation Complete																
<b>Inbd Coach Kiosks (010) - 4 nos (Phase 2)</b>																	
A2702	Cable Containment																
A2703	Cable Laying and termination																
A2705	Kiosk Equipment Configuration (4 nos)																
A2710	AVCSS/DOH/MOM Kiosk Equipment Installation (2 nos)																
A2720	AVCSS/DOH/MOM Kiosk Equipment Installation (2 nos)																
A4480	Inbd Coach Kiosks Installation Complete																
<b>Underground Ducting between CUE and Shuttle Bus Kiosk (006)</b>																	
A3970	Cable Laying and termination (note: Access Date by C03)																
<b>Underground Ducting between PCB(001) and Inbd Coach Kiosks(010)</b>																	
A3930	Cable Laying and termination (note: Access Date by C03)																
<b>Test and Commissioning (Phase 2 / Section III)</b>																	

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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)																	
<b>Completion (Phase 2 / Section III)</b>																		
A2400	AVCSS - Certificate of Completion (Phase 2/Section III)																	
A4330	Certificate of Completion Approval by Enginner																	
<b>Operation (Phase 2 / Section III)</b>																		
A2420	Site Operation (Phase 2/Section II & III)																	
<b>Defect Liability Period (DLP)</b>																		
A2430	DLP																	
<b>Document Submission (Phase 2 / Section III)</b>																		
A4340	As-built Drawings and O&M Manual																	

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