

MATERIALAB CONSULTANTS LIMITED

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

Report No.: 0165/15/ED/0662

Appendix C

Construction Programme

Activity ID	Activity Name	2016		2017		
		Dec	Jan	Feb	Mar	Apr
HKBCF - VCP & Ancillary Buildings and Facilities, DWP Rev. 3B, DD 31 Dec. 16						
CONTRACT DATES						
Key Dates						
A1320	KD32 Achievement of Section IV(b) of the Works (646 days; 15 Jan. 17)					◆ KD32 Achievement of Section IV(b) of the Works (646 days; 15 Jan. 17)
A1330	KD33 Achievement of Section IV(c) of the Works (646 days; 15 Jan. 17)					◆ KD33 Achievement of Section IV(c) of the Works (646 days; 15 Jan. 17)
Site Access & Possession						
Possession of Portion of Site						
A0030	Possession of Portion B (<=100 days)					◆ Possession of Portion B (<=100 days)
A0110	Possession of Portion J (<=320 days)					◆ Possession of Portion J (<=320 days)
A0150	Possession of Portion N (<=345 days)					◆ Possession of Portion N (<=345 days)
A0160	Possession of Portion P (<=502 days)					◆ Possession of Portion P (<=502 days)
A0170	Possession of Portion Q (<=500 days)					◆ Possession of Portion Q (<=500 days)
Access to Locations of the Site						
A0210	Contract Date for Access to Location 1.1 (490 days)					◆ Contract Date for Access to Location 1.1 (490 days)
A0220	Contract Date for Access to Location 1.2 (405 days)					◆ Contract Date for Access to Location 1.2 (405 days)
A0230	Contract Date for Access to Location 1.3 (488 days)					◆ Contract Date for Access to Location 1.3 (488 days)
A0240	Contract Date for Access to Location 1.4 (488 days)					◆ Contract Date for Access to Location 1.4 (488 days)
A0250	Contract Date for Access to Location 1.5 (580 days)					◆ Contract Date for Access to Location 1.5 (580 days)
A0260	Contract Date for Access to Location 1.6A (700 days)					◆ Contract Date for Access to Location 1.6A (700 days)
A0280	Contract Date for Access to Location 1.7A (610 days)					◆ Contract Date for Access to Location 1.7A (610 days)
A0290	Contract Date for Access to Location 1.7B (610 days)					◆ Contract Date for Access to Location 1.7B (610 days)
A0300	Contract Date for Access to Location 1.7C (610 days)					◆ Contract Date for Access to Location 1.7C (610 days)
A0310	Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days)					◆ Contract Date for Access to Location 1.8 PCB (Basement level up to ground floor slab) (395 days)
A0320	Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days)					◆ Contract Date for Access to Location 1.8 PCB (Ground Floor level or above) (515 days)
A0330	Contract Date for Access to External Area for Contract HY/2013/01 for ELV System Installation (570 days)					◆ Contract Date for Access to External Area for Contract HY/2013/01 for ELV System Installation (570 days)
A0340	Contract Date for Access to External Area for Contract HY/2013/02 for ELV System Installation (560 days)					◆ Contract Date for Access to External Area for Contract HY/2013/02 for ELV System Installation (560 days)
A0350	Contract Date for Access to External Area for Contract HY/2013/04 ELV System Installation (560 days)					◆ Contract Date for Access to External Area for Contract HY/2013/04 ELV System Installation (560 days)
Section/Stage Subject to Excision						
A0770	Contract Date for Section VI (650 days, latest date when the Engineer may order)					◆ Contract Date for Section VI (650 days, latest date when the Engineer may order)
A0780	Contract Date for Section VII (650 days, latest date when the Engineer may order)					◆ Contract Date for Section VII (650 days, latest date when the Engineer may order)
PRELIMINARY						
Precast Yard for Bridge Segement						
A0630	Segment Manufacture					
PORTION A1						
Portion A1 Structures						
Bridge A9						
Bored Pile						
SA9120	Bored pile for A9 Bridge, 10 no.					
Pile Cap						
SA9210	Cap - A905					
SA9220	Cap - P904					
SA9230	Cap - P903					
SA9240	Cap - P902					
SA9250	Cap - A901					
Pier & Abutment						

- Actual Work
- Remaining Work
- Critical
- ◆ Milestone

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

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

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		Dec	Jan	Feb	Mar	Apr	
SA9310	Abutment A905						
SA9320	Pier P904						
SA9330	Pier P903						
SA9340	Pier P902						
SA9350	Abutment A901						
Structure Deck							
SA9400	Falsework for Deck A905 - P904						
SA9410	Deck on A905, P904 + Stressing						
SA9415	Falsework for Deck P904 - P903						
Retaining Wall W8-1							
SW8110	Construction of Retaining Wall W8-1 (U-shape, 4 bays)						
SW8120	Backfilling W8-1						
Retaining Wall W9-1							
SW9110	Construction of Retaining Wall W9-1 (U-shape, 4 bays)						
SW9120	Backfilling W9-1						
Box Culvert D							
Box Culvert D Construction							
SD0170	Box Culvert D Construction (Stage 4, Bay 19 - 21 & 24 - 32)						
SD0180	Box Culvert D Backfilling						
047 - Fresh Water Pumping Station, Portion A1 & A2							
A04750	Pump House Construction						
049 - Sewage Treatment Plant, Portion A1 & A2							
A04950	Sheet Piling as ELS1 for Equalization Tanks						
A04960	Sheet Piling as ELS2 for Sludge Holding Tanks						
B04960	ELS1 + Blinding for Equalization Tanks + Wet Well & Inlet Chamber						
B04970	Constructing Base Slab for Equalization Tanks + Wet Well & Inlet Chamber						
B04980	Backfilling + Removing 3rd Strut of ELS1						
B04990	Constructing Wall Stem for Equalization Tanks						
C04910	Water-tightness Test for Equalization Tanks						
C04920	Backfilling + Removal of ELS1						
C04940	Constructing Base Slab of Sludge Holding Tanks						
C04950	Backfilling + Removal Strut of ELS2						
C04960	Constructing Wall Stem of Sludge Holding Tanks						
C04970	Water-tightness Test for Sludge Holding Tanks						
C04990	Backfilling + Removal of ELS2						
D04920	Constructing Base Slab for MBR Tanks						
D04930	Constructing Wall Stem for MBR Tanks						
D04940	Water-tightness Test for MBR Tanks						
D04950	Backfilling + Removal of ELS3						
D04960	Constructing Ground Slab for Transformer Room						
D04970	Transformer Room Construction						
D04980	BS + E&M for Transformer Room to CLP (KD7)						
D04990	Other Ground Slab Construction						
Portion A1 Buildings							
012 - DOH Disinsection Area and Store Room 1, at Portion A1							
A01250	Finishing						
A01260	BS for Office Accommodation (Stage 8) (Degree 2)						
A01270	BS + E&M for Office Accommodation (Stage 9) (Degree 3)						
A01280	Other BS + E&M Installation						
Test & Commission							

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C01210	Submission & Issue of WW046 I, II, III (Inside Services & FS)						
036 - Weigh Station							
A03650	Ceiling/Wall Plaster & Painting	█					
A03660	Floor Screed	█					
A03665	External Wall Plaster & Tile	█	█				
A03670	BS for Office Accommodation (Stage 8)	█	█				
A03680	BS + E&M for Office Accommodation (Stage 9)			█	█	█	█
A03690	Other BS + E&M Installation			█	█	█	█
037 C&ED Tower Cum Inbound Cargo Examination Building (Portion A1 & B)							
A03740	Steel Frame Structure Installation	█	█	█	█	█	█
A03742A	Mock-up Sample for Curtain Wall	█					
A03742B	Mock-up Sample for Cladding	█					
A03742C	Mock-up Sample for Mesh Screen Wall (SS41) & Balustrade	█					
A03742E	Mock-up Sample for Toilet Counter Top (WF24)	█					
A03744	Curtain Wall/Metal Roof/Aluminium Cladding Installation	█	█	█	█	█	█
A03746	Blockwall Laying	█					
A03748	Wall/Ceiling Plastering/Tiling	█	█	█			
A03752	Floor Screed/Tiling		█	█	█	█	█
A03756	Window/Door Frame Installation			█	█	█	█
A03760	BS + E&M for AVCSS Cabling (KD18A)	█	█	█			
A03770	BS + E&M for AVCSS Cabling (KD18B)	█	█		█	█	█
A03780	BS for Office Accommodation (KD9)	█	█		█	█	█
A03785	BS for Office Accommodation (KD10)						█
A03790	Other BS + E&M Installation	█	█	█	█	█	█
Test & Commission							
B03790	Beam Plus Monthly Submission & Issue						█
041 Fire Station Cum Ambulance Depot							
A04120	Superstructure, G/F to 1/F	█					
A04122	Superstructure, 1/F to 2/F (incl. parapet wall and planter wall)	█					
A04126	Cladding & Curtain Wall Installation (incl. steel & metal works)			█	█	█	█
A04132	Blockworks			█	█	█	█
A04133	Ceiling & Wall Plastering/Wall Tiling		█	█	█	█	█
A04134	Floor Screeding/Tiling/Vinyl Tiles			█	█	█	█
A04135	Ceiling/Wall Painting				█	█	█
A04136	Carpentry (Door, Fabric Wall Panel, Movable/Folding Partition)				█	█	█
A04137	False Ceiling Installation				█	█	█
A04140	BS for Office Accommodation (Stage 8)			█	█	█	█
A04160	Other BS + E&M Installation			█	█	█	█
Test & Commission							
B04120	Submission & Issue of WW046 I, II, III (Inside Services & FS)					█	
042 Drill Tower							
A04260	Finishing	█	█	█			
A04270	BS for Office Accommodation (Stage 8)	█	█				
A04280	BS + E&M for Office Accommodation (Stage 9)		█	█	█	█	█
A04290	Other BS + E&M Installation			█	█	█	█
Test & Commission							
B04220	T&C for BS Pumps						█
043 DOH Office + Store Room							
A04330	Superstructure	█	█	█			
A04340	Water Tanks for F.S./Sprinkler Pump Room			█	█	█	█

█ Actual Work
█ Remaining Work
█ Critical
◆ Milestone

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A04370	Cladding & Curtain Wall Installation (incl. steel & metal works)						
A04380	BS for Office Accomodation (Stage 8)						
B04310	Other BS + E&M Installation						
B04330	Stainless Steel Mesh Installation						
B04340	Metal Windows/Louvres/Doors/Railing etc. installation						
B04350	Blockworks						
B04360	Wall Plastering/Tiling						
C04310	C/S Wall Plastering						
052 - Transforms (Zone 4)							
A05235	Energisation by CLP						
A05250	Ceiling/Wall Painting Finish & Floor Screed						
A05260	External Wall Plaster & Wall (KD10)						
A05270	Main Switch/L.V. Switch Board Installation						
A05280	Genset Installation						
T&C and Statutory Inspection							
B05210	T&C for BS & Pumps						
B05220	DG application						◆ DG application
B05240	EPD Generator Set Emission Application						
B05270	Non-Essential T&C (Non-FSI)						
B05280	OP Application & TPIDC Inspection						
Completion of Fire Services Installation and Equipment (FCD)							
C05210	Approved Building Plans						◆ Approved Building Plans
105 IMMD Guard Booth, Portion A1 (Mock Up)							
B10500	Shop Drawings & Material Submission						
B10510	Excavation + Blinding						
B10520	Substructure (Raft Foundation)						
B10530	On Grade Ground Slab						
Facade Envelop Structure Installation							
B10580	Shop Drawing Submission and Approval						
B10590	Fabrication of F/C System						
External Works for Portion A1							
Drainage Works							
ED0020	Drainage Works (773m & 34MHs), Stage 1 (Western)						
ED5590	Drainage Works (774m & 35MHs), Stage 2 (Middle)						
ED5600	Sewerage (300m & 9MHs), Stage 2 (Middle)						
Waterpipe Laying							
EW5010	Fresh Water Main Laying (700 m), Stage 1 (Western)						
EW6010	Flushing Water Main Laying (322 m), Stage 1 (Western)						
EW6020	Fresh Water Main Laying (700 m), Stage 2 (Middle)						
EW6030	Flushing Water Main Laying (322 m), Stage 2 (Middle)						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
EU5260	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV						
EU5270	Duct & Cable Laying for TCSS & Lighting						
PORTION A2							
Portion A2 Structures							
046 - Refuse Collection Point, Portion A2							
A04610	Raft Foundation						
A04620	Superstructure w/2 water tank						
Test & Commission							
B04620	Submission & Issue of WW046 I, II, III (Inside Services & FS)						

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		Dec	Jan	Feb	Mar	Apr	
048 - Reclaimed Water Pumping Station, Portion A2							
A04830	Sheet Piling as ELS for Basement 1	Actual Work					
A04840	Pile testing	Actual Work					
A04850	Excavation + Blinding for Basement 1	Actual Work					
A04860	Basement 1 Construction		Remaining Work	Remaining Work			
A04865	Water-tightness Test for Basement 1			Remaining Work			
A04867	Backfilling + Removal of ELS				Remaining Work		
A04870	Basement 2 Construction			Remaining Work	Remaining Work		
A04880	Water-tightness Test for Basement 2					Remaining Work	
Retaining Wall W9-2							
SW9210	Construction of Retaining Wall W9-2 (U-shape, 6 bay)					Critical	
External Works for Portion A2							
Drainage Works							
ED2280	Drainage Works (114m & 8MHs), Stage 1 (Eastern)					Critical	
ED3560	Sewerage (161m & 5MHs), Stage 1 (Eastern)					Critical	
PORTION B							
Portion B Structures							
Retaining Wall W7-2							
S70870	Construction of Retaining Wall W7-2 (L-shape, 1 bays)			Remaining Work			
S70890	Retaining Wall W7-2 Backfilling				Remaining Work		
Retaining Wall W6-1							
S62050	Construction of Retaining Wall W6-1 (L-shape, 4 bays)	Actual Work	Remaining Work	Remaining Work			
S62060	Retaining Wall W6-1 Backfilling				Remaining Work		
Bay 4 - 19 of CUE/Staff Subway							
C02760	Internal Finishes & Cable Containment (KD1)	Actual Work					
C02770	BS + E&M Installation for AVCSS (Stage 1)	Actual Work	Remaining Work				
C02780	Allow Access to C1 for Chilled Water Pipe (CUE) installation					Milestone	
Bay 20 - 24 of CUE/Staff Subway							
C02820	Bay 20 - 24 Construction - Base Slab	Actual Work					
C02830	Bay 20 - 24 Construction - Wall + Top Slab	Actual Work	Remaining Work				
C02840	Internal Finishes & Cable Containment (KD1)		Actual Work	Remaining Work	Remaining Work		
C02850	BS + E&M Installation for AVCSS (Stage 1)		Actual Work	Critical	Critical		
Bay 25 - 29 of CUE/Staff Subway							
C02920	Bay 25 - 29 Construction - Base Slab	Actual Work	Remaining Work				
C02930	Bay 25 - 29 Construction - Wall + Top Slab	Actual Work	Remaining Work				
C02960	Internal Finishes & Cable Containment (KD1)		Actual Work	Remaining Work	Remaining Work		
C02970	BS + E&M Installation for AVCSS (KD1)		Actual Work			Remaining Work	
Portion B Buildings							
027/028 Inbound Kiosks & 029 Outbound Kiosks							
A02710	Pre-fabrication for the Steel Kiosks	Actual Work	Remaining Work				
A02715	Mock up for Steel Kiosks	Actual Work	Remaining Work				
A02718	Mock up for Goods Vehicle Canopy		Remaining Work				
A02720	Superstructure	Actual Work		Remaining Work	Remaining Work		
A02730	Construction of Subway Entrance				Remaining Work	Remaining Work	
A02750	Finishing					Remaining Work	
A02780	BS + E&M for AVCSS Works (KD18A)		Remaining Work	Remaining Work	Remaining Work		
A02790	BS + E&M for AVCSS Cabling (KD18B)					Remaining Work	
B02720	Other BS + E&M Installation					Remaining Work	
027/028 Inbound Kiosks & 029 Outbound Kiosks, Section IX, Subject to Excision							

■ Actual Work
■ Remaining Work
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◆ Milestone

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B02740	Pre-fabrication for the Steel Kiosks						
B02750	Superstructure						
B02760	BS + E&M for AVCSS Works (KD18C)						
026 Inbound IMMD and DOH Secondary Screening Building							
A02630	Superstructure						
A02640	Finishing						
A02650	Contractor's Design Submission for SS Mesh Screen & Approval						
A02660	Contractor's Design Submission for Aluminium Cladding & Approval						
A02670	BS for Office Accomodation (Stage 8)						
A02690	Other BS + E&M Installation						
Test & Commission							
B02620	Submission & Issue of WW046 I, II, III (Inside Services & FS)						
054 Inbound Fixed X-ray Building							
A05460	Finishing						
A05467	Energisation by CLP						
A05470	BS for Office Accomodation (Stage 8)						
A05480	BS + E&M for Office Accomodation (Stage 9)						
A05490	Other BS + E&M Installation						
B05410	Lift Installation						
Completion of Fire Services Installation and Equipment (FCD)							
F05440	Approved Building Plans						
Waterworks Ordinance (WSD)							
G05410	Approval Letter and approved Drawings						
038 AFCD Office							
A03830	Superstructure; G/F to 1/F						
A03840	Superstructure; 1/F to 2/F (incl. parapet and planter wall)						
A03850	Finishing + Curtain Wall Installation						
A03870	BS for Office Accomodation (Stage 8)						
A03890	Other BS + E&M Installation						
Test & Commission							
B03830	Submission & Issue of WW046 I, II, III (Inside Services & FS)						
B03880	Form 314 & 501 submission						
C03810	DG application						
C03820	Form 2 Submission						
039 Police Main Building							
A03930	Superstructure; G/F to 1/F						
A03935	Superstructure; 1/F to 2/F (incl. parapet and planter wall)						
Test & Commission							
B03950	Beam Plus Monthly Submission & Issue						
040 Incident Control Tower							
A04040	Superstructure						
A04050	Finishing (KD9)						
A04060	BS for Office Accomodation (Stage 8), & for TCSS works (KD14)						
Facade Cladding System							
B04010	Shop Drawing Submission and Approval						
B04020	Fabrication of F/C System						
Glass Wall							
C04010	Shop Drawing Submission and Approval						
C04020	Fabrication of Glass Wall						
C04030	Casted-in Items Installation						

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- ◆ Form 314 & 501
- ◆ DG application
- ◆ Form 2 Submis

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102 HKPF UVSS Monitor Room							
A10220	Superstructure						
A10230	Finishing (False Ceiling) (KD9)						
A10240	BS for Office Accomodation (Stage 8)						
A10270	Other BS + E&M Installation						
Metal Canopy and Roof Installation							
B10210	Shop Drawing Submission and Approval						
B10212	Fabrication of MC/R						
B10220	Casted-in Items Installation						
103 Police Inspection Post							
A10330	Raft Foundation						
A10340	Superstructure (Roof Slabs)						
A10350	Finishing (False Ceiling) (KD9)						
A10360	BS for Office Accomodation (Stage 8)						
A10380	Other BS + E&M Installation						
C10320	WVO 46 Part I, II, III Submission (inside Service + FS)					◆ WVO 46 Part I, II, III Submission (inside	
HPL Composite Panel Cladding System							
B10310	Shop Drawing Submission and Approval						
B10320	Fabrication of HPL Cladding						
057 Transformers (Zone 2)							
A05730	Superstructure						
A05740	Finishing						
A05750	BS + E&M for Tx Room to CLP (Stage 4)						
A05760	BS for Office Accomodation (Stage 8)						
A05770	BS + E&M for Office Accomodation (Stage 9)						
A05780	Other BS + E&M Installation						
Completion of Fire Services Installation and Equipment (FCD)							
F05740	Provision of Approved Building Plans by the Engineer					◆ Provision of Approved Building Plans by the Engineer	
DG License & EPD Generator Approval							
G05710	Approval Letter and approved Drawings					◆ Approval Letter and approved Drawings	
107 - C&ED Mobile X-ray Operation Office (Cargo), Portion B							
C10720	Raft Foundation						
C10730	Superstructure (Roof Slabs)						
C10740	Finishing						
C10750	BS for Office Accomodation (Stage 8)						
C10770	Other BS + E&M Installation						
113 - Field Kiosk for Access Control, Portion B							
B11320	Raft Foundation						
B11330	Superstructure (Roof Beams & Slabs)						
B11340	Finishing						
B11350	BS for Office Accomodation (Stage 8)						
201 - Inbound Cargo Mobile X-ray Operation Area							
ER5740	Radiation Screen Wall Construction						
ER5850	Construction of the Area and Access to the Interface Contractor						
205 - Inbound Private Car Mobile X-ray Operation Area							
ER5750	Radiation Screen Wall Construction						
ER5860	Construction of the Area and Access to the Interface Contractor						
External Works for Portion B							
Drainage Works							
ED5650	Drainage Works (1130m & 60MHs), Stage 2						

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ED5660	Sewerage (300m & 8MHs), Stage 2						
ED5670	Drainage Works (1130m & 60MHs), Stage 3 (N/W)						
ED5680	Sewerage (300m & 8MHs), Stage 3 (N/W)						
ED5690	Drainage Works (1130m & 60MHs), Stage 4 (N/E)						
ED5700	Sewerage (300m & 82MHs), Stage 4 (N/E)						
Waterpipe Laying							
EW1550	Fresh Water Main Laying (472m), Stage 1 (S/W)						
EW1560	Flushing Water Main Laying (460m), Stage 1 (S/W)						
EW6080	Fresh Water Main Laying (500m), Stage 2 (S/E)						
EW6090	Flushing Water Main Laying (460m), Stage 2 (S/E)						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
EU5300	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV						
EU5310	Duct & Cable Laying for TCSS & Lighting						
EU5630	Access date to Telephone Companies					◆ Access date to Telephone Companies	
Roadworks							
ER1640	Subbase (10000 ton), Stage 1 (N/W)						
ER3590	Bitumen Pavement (14000 ton), Stage 1 (N/W)						
ER3600	Rigid Pavement (594 m3), Footpath & EVA, Stage 1 (N/W)						
ER5590	Subbase (11000 ton), Stage 2 (N/E)						
ER5600	Bitumen Pavement (15000 ton), Stage 2 (N/E)						
ER5610	Rigid Pavement (594 m3), Footpath & EVA, Stage 2 (N/E)						
Sign Gantry ADS 306A & ADS 306B							
ES5240	Fabrication & Delivery of Sign Gantrys to Site						
PORTION C							
Portion C Buildings							
009 - Staff Subway Entrance (Bay 0 - 3) & Shuttle Bus Kiosks							
A00940	Finishing						
A00950	BS + E&M for AVCSS works (KD 1)						
A00960	Allow Access to C1 for Chilled Water Pipe Installation (CUE)					◆ Allow Access to C1 for Chilled Water Pipe	
B00910	Substructure and Staircase Construction (Portion B&C)						
B00920	Kiosk Superstructure						
104 - DOH Secondary Screening Station, at Portion C							
Facade Cladding System							
A10460	Shop Drawing Submission and Approval						
A10465	Fabrication of F/C System						
110 IMMD Guard Booth (Type 2) East							
Facade Envelop Structure Installation							
A11040	Shop Drawing Submission and Approval						
A11045	Fabrication of F/C System						
111 Field Kiosk for Carpark Operator							
HPL Composite Panel Cladding System							
B11110	Shop Drawing Submission and Approval						
B11120	Fabrication of HPL Cladding						
External Works for Portion C							
Works in Location 1.2, 1.8 & 011 - Emergency Generator Building							
BB1440	Works & T&C in Location 1.2						
BB1450	Works & T&C in Location 1.8						
BB1460	ELV System Installation for Contract HY/2013/01						
PORTION D							

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

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Activity ID	Activity Name	2016		2017			
		Dec	Jan	Feb	Mar	Apr	
Portion D Building							
113 - Field Kiosk for Access Control, Portion D							
C11360	Raft Foundation						
C11370	Superstructure (Roof Beams & Slabs)						
C11380	Finishing						
D11340	BS for Office Accomodation (Stage 8)						
External Works for Portion D							
Drainage Works							
SG3640	Drainage Works (361m & 14MHs)						
SG3760	Sewerage (121m & 6MHs)						
Waterpipe Laying							
SW3650	Fresh Water Main Laying (108m)						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
SU5340	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV						
SU5350	Duct & Cable Laying for TCSS & Lighting						
SU5640	Access dates to Telephone Companies						
Works of Car Park Management System at Location 1.5, 1.6A & 1.6B							
SR5540	Works & T&C for Car Park Management System at Location 1.5						
Roadworks							
SR3740	Subbase (261 ton)						
PORTION E							
006 - Shuttle Bus Kiosk & Staff Subway Entrance, at Portion E & M							
A00610	ELS + Blinding for Subway						
A00620	Constructing base of Subway						
A00630	Constructing wall stem + top slab of Subway						
A00640	Backfilling						
External Works for Portion E							
Drainage Works							
SG3780	Drainage Works (99m & 5MHs)						
SG3900	Sewerage (38m & 1 MH)						
Waterpipe Laying							
SW3790	Fresh Water Main Laying (45m)						
SW3800	Flushing Water Main Laying (25m)						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
SU5360	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV						
SU5370	Duct & Cable Laying for TCSS & Lighting						
PORTION G, H1 & H2							
Portion G Structures							
Box Culvert C							
Steel H Pile							
SC0280	Box C - 54 nos. of driven H pile, Stage 3						
Box Culvert Structure							
SC0310	Box C - Branch Construction						
SC0320	Box C - Branch Backfilling						
SC0380	Box C - Construction of Main Body						
Bridge A1							
Pier & Abutment							
SA1310	Abutment A106						

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		Dec	Jan	Feb	Mar	Apr	
Structure Deck							
SA1480	Deck on P104, P105 + Stressing	Actual Work					
SA1490	Falsework for Deck P105, A106		Remaining Work				
SA1510	Deck on P105, A106 + Stressing			Remaining Work	Remaining Work	Remaining Work	
Bridge A3							
Pile Cap							
SA3220	Cap - P304a/b						
SA3250	Cap - A305	Actual Work					
Pier & Abutment							
SA3320	Pier P304a, P304b	Actual Work					
SA3330	Abutment A305		Actual Work	Remaining Work			
Structure Deck							
SA3420	Deck on P301 - P302 + Stressing	Actual Work					
SA3430	Falsework for Deck P302 - P303		Actual Work				
SA3440	Deck on P302 - P303 + Stressing			Actual Work	Remaining Work	Remaining Work	
SA3450	Falsework for Deck P303 - P304a/P304b				Remaining Work		
SA3460	Deck on P303, P304a/P304b + Stressing					Remaining Work	
Bridge A4							
Pile Cap							
SA4210	Cap - P401			Remaining Work			
SA4220	Cap - P402	Actual Work					
Pier & Abutment							
SA4310	Pier P401				Remaining Work		
SA4320	Pier P402		Actual Work	Remaining Work			
Structure Deck							
SA4410	Falsework for Deck P502b, P401					Remaining Work	
SA4420	Deck on P502b, P401 + Stressing					Remaining Work	
SA4430	Falsework for Deck P401, P402					Remaining Work	
SA4450	Falsework for Deck P304b, P402			Remaining Work			
SA4460	Deck on P304b, P401, P402 + Stressing				Remaining Work		
Bridge A5							
Pile Cap							
SA5250	Cap - A501		Actual Work	Remaining Work			
SA5260	Cap - P502a/b		Actual Work	Remaining Work			
Pier & Abutment							
SA5330	Pier P503	Actual Work					
SA5360	Pier P502a/b			Remaining Work			
SA5370	Abutment A501			Remaining Work			
Structure Deck							
SA5410	Falsework for Deck P504 - P505	Actual Work					
SA5420	Deck on P504, P505 + Stressing		Actual Work	Remaining Work	Remaining Work	Remaining Work	
SA5430	Falsework for Deck P503 - P504		Actual Work	Remaining Work			
SA5440	Deck on P503, P504, + Stressing				Remaining Work	Remaining Work	
SA5450	Falsework for Deck P505 - P506	Actual Work					
SA5460	Deck on P505, P506 + Stressing		Actual Work	Remaining Work	Remaining Work	Remaining Work	
SA5470	Falsework for Deck P502a, P502b, P503				Remaining Work		
SA5480	Deck on P502a, P502b & P503 + Stressing					Remaining Work	
SA5510	Falsework for Deck P506 - P507				Remaining Work		
SA5520	Deck on P506 & P507 + Stressing					Remaining Work	
Bridge A6							

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Structure Deck							
SA6460	Deck on P603, P604 + Stressing						
SA6470	Falsework for Deck P604, P605						
SA6480	Deck on P604, P605 + Stressing						
SA6490	Falsework for Deck P605, P606						
SA6510	Deck on P605, P606 + Stressing						
SA6520	Falsework for Deck P606 - A607						
Bridge A7a, A7b, A7c							
Pile Cap							
SA7370	Cap for P703						
Pier & Abutment							
SA7560	Pier P702						
SA7570	Pier P703						
SA7580	Abutment A701						
Structure Deck							
SA7730	Falsework for Deck P705 - P706						
SA7740	Deck on P705 & P706 (Bridge A7a) + Stressing						
SA7750	Falsework for Deck P704, P705						
SA7770	Deck on P704 & P705 (Bridge A7a) + Stressing						
SA7780	Falsework for Deck P703, P704						
SA7790	Deck on P703, P704 (Bridge A7a) + Stressing						
SA7810	Falsework for Deck P702, P703						
SA7820	Deck on P702, P703 (Bridge A7 a) + Stressing						
SA7830	Falsework for Deck A701, P702						
SA7850	Falsework for Deck P707, P708 (A7c)						
SA7860	Deck on P707, P708 (Bridge A7c) + Stressing						
SA7870	Falsework for Deck P708 - P709 (A7c)						
SA7880	Deck on P708 & P709 (Bridge A7c) + Stressing						
SA7890	Falsework for Deck P709, P710 (A7c)						
SA7910	Deck on P709, P710 (Bridge A7c) + Stressing						
SA7920	Falsework for Deck P710 - A711 (A7c)						
SA7930	Deck on P710 & A711 (Bridge A7c) + Stressing						
SA7940	Parapet for Bridge A7b (8 pour) & E&M Works						
Bridge A8							
Pier & Abutment							
SA8310	Abutment A804						
Structure Deck							
SA8410	Falsework for Deck P801, P802						
SA8420	Deck on P801, P802 + Stressing						
SA8430	Falsework for Deck P802, P803						
SA8440	Deck on P802, P803 + Stressing						
SA8450	Falsework for Deck P803, A804						
SA8460	Deck on P803, A804 + Stressing						
Retaining Walls W1-1, W3-1, W5-1 & W7-1							
Retaining Wall W1-1							
SW1110	Construction of Retaining Wall W1-1 (L-shape, 4 bays)						
SW1120	Retaining Wall W1-1 Backfilling						
Retaining Wall W3-1							
SW3130	Bored Pile for W3-1, 16 Nr.						
SW3140	Pile Testing for W3-1						

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		Dec	Jan	Feb	Mar	Apr	
SW3150	Construction of Retaining Wall W3-1 (U-shape, 4 bays)			[Green bar]			
Retaining Wall W5-1							
SW5010	Construction of Retaining Wall W5-1 (L-shape, 5 bays)			[Green bar]			
Portion G Buildings							
033 Inbound Private Car Exam Building							
A03360	External Works			[Green bar]			
A03370	BS for Office Accomodation (Stage 8)	[Blue bar]		[Green bar]			
A03380	BS + E&M for Office Accomodation (Stage 9)					[Green bar]	
A03390	Other BS + E&M Installation			[Green bar]			
C03310	Submission & Issue of WW046 I, II, III (Inside Services & FS)		[Green bar]				
Glass Canopy Installation							
B03300	Shop Drawing Submission and Approval	[Blue bar]					
B03305	Fabrication of Glass Canopy			[Green bar]			
B03350	Casted-in Items Installation					[Green bar]	
Aluminium Metal Canopy							
B03310	Shop Drawing Submission and Approval						
B03315	Fabrication of F/C System			[Green bar]			
B03320	Casted-in Items Installation					[Green bar]	
034 Satellite RCP South							
A03450	Finishing	[Blue bar]		[Green bar]			
A03460	BS for Office Accomodation (Stage 8)	[Blue bar]		[Green bar]			
A03470	BS + E&M for Office Accomodation (Stage 9)					[Green bar]	
A03480	Other BS + E&M Installation			[Green bar]			
S S Facade Greenery System							
B03410	Shop Drawing Submission for Approval	[Blue bar]					
B03415	Fabrication of SS F/G System			[Green bar]			
B03420	Casted-in Items Installation					[Green bar]	
035 - Sewage Pumping Station, Portion G							
A03570	Constructing of Base Slab of Wet Well	[Blue bar]		[Red bar]			
A03580	Constructing of Wall Stem of Wet Well			[Red bar]			
A03590	Water-tightness Test for Wet Wells				[Red bar]		
B03510	Backfilling + Removal of ELS					[Red bar]	
B03520	ELS + Blinding for Basement					[Red bar]	
B03530	Constructing Base Slab of Basement					[Red bar]	
051 Transformers (Zone 5)							
A05150	Finishing	[Blue bar]		[Green bar]			
A05165	Energisation by CLP			[Green bar]			
A05170	BS for Office Accommodations (KD9)	[Blue bar]		[Green bar]			
A05180	BS + E&M for Office Accommodation (KD10)					[Green bar]	
A05190	Other BS + E & M Installation			[Green bar]			
Completion of Fire Services Installation and Equipment (FCD)							
F05140	Approved Building Plans					[Milestone]	
100 Inbound Traffic Control Kiosk							
A10050	Finishing	[Blue bar]		[Green bar]			
A10070	BS + E&M for AVCSS Works (KD18A)	[Blue bar]		[Green bar]			
B10060	BS + E&M for AVCSS Cabling (KD18B)					[Green bar]	
B10070	BS for Office Accommodations (KD9)					[Green bar]	
HPL Composite Panel Cladding System							
B10010	Shop Drawing Submission and Approval			[Green bar]			
B10015	Fabrication of F/C System					[Green bar]	

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		Dec	Jan	Feb	Mar	Apr	
112 Field Kiosk for Taxi Queuing Area							
A11230	Structure	Actual Work					
A11240	Finishing		Actual Work	Remaining Work			
A11250	BS + E & M Installation			Remaining Work			
A11260	T&C for BS & Pumps SWT					Remaining Work	
A11280	OP Application & TPIDC Inspection						Remaining Work
External Works for Portion G, H1 & H2							
ELV Works within Portion H2 in the Hong Kong Side PTI							
EU1550	ELV Works within Portion H2 in the Hong Kong Side PTI (KD19)						Critical
Works within Portion H1 & H2 except the ELV Works in the Hong Kong Side PTI							
EU1560	Drainage & Sewerage Works within Portion H1 & H2 in the Hong Kong Side PTI (KD20)	Actual Work		Critical			
All Works within the Boundary defined in Drawing No. 60191048/C3/000/C00/1050							
BEU1570	Drainage & Sewerage Works (incl. CLP) within the Boundary defined in Drawing No. 60191048/C3/000/1050	Actual Work		Critical			
Sign Gantry DS40, DS41 & DS75							
ES0020	Sign Gantry DS40 Pre-bored H Piling, 12 Nr.	Actual Work					
ES0040	Sign Gantry DS41 Driven Piling 4 Nr.						
ES0080	Testing for Pre-bored H Piling				Remaining Work		
ES0180	Fabrication & Delivery of Sign Gantrys to Site	Actual Work		Remaining Work			
Canopy and Covered Walkway							
CC1310	Shop drawing, Approved & Fabrication	Actual Work					
CC1320	Footing	Actual Work		Remaining Work			
CC1330	Steel Frame Installation				Remaining Work		
PORTION J							
Portion J Structure							
Bay 30 - 41 of CUE/Staff Subway (Portion J)							
B03040	Bay 30 - 33 Construction - Base Slab			Remaining Work			
B03050	Bay 30 - 33 Construction - Wall + Top Slab	Actual Work		Remaining Work			
B03220	Bay 34 - 39 Construction - Base Slab	Actual Work					
B03230	Bay 34 - 39 Construction - Wall + Top Slab, Staircase	Actual Work		Remaining Work			
B03240	Bay 40 - 41 Construction - Base Slab	Actual Work		Remaining Work			
B03250	Bay 40 - 41 Construction - Wall + Top Slab, Staircase	Actual Work		Remaining Work			
B03260	Internal Finishes & Cable Containment (KD2)			Remaining Work			
B03270	BS + E&M Installation for ACVSS (Stage 2) (KD2)			Remaining Work			
030 Outbound Private Car & GV Kiosks							
A03020	Pre-fabrication for the Steel Kiosks	Actual Work		Remaining Work			
A03030	Superstructure (Incl. Entrance & Toilet)					Remaining Work	
030 Outbound Kiosks, Section IX, Subject to Excision							
C03020	Pre-fabrication for the Steel Kiosks	Actual Work		Remaining Work			
C03030	Superstructure					Remaining Work	
Portion J Buildings							
024 Outbound Private Car Exam Building							
A02400	Excavation + Blinding (PL Test)	Actual Work		Critical			
A02410	Raft Foundation			Critical			
A02420	Superstructure					Critical	
Glass Canopy Installation							
B02410	Shop Drawing Submission and Approval			Remaining Work			
B02415	Fabrication of F/C System				Remaining Work		
Aluminium Metal Canopy							

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B02450	Shop Drawing Submission and Approval			[Green bar]			
B02455	Fabrication of F/C System			[Green bar]			
031 Outbound IMMD and DOH Secondary Screen Building							
A03110	Raft Foundation	[Blue bar]		[Green bar]			
A03140	Superstructure	[Blue bar]		[Green bar]			
A03150	Finishing (KD31)					[Green bar]	
A03160	BS for Office Accommodations (KD18F)					[Green bar]	
A03180	Other BS + E & M Installation (KD31)					[Green bar]	
Test & Commission							
C03120	Submission & Issue of WW046 I, II, III (Inside Services & FS)					[Green bar]	
060 - Single Storey Support Building Associated with Buildings 044 & 045							
A06000	Excavation + Blinding (+ PL Test)	[Blue bar]					
A06010	Raft Foundation (Traper)		[Blue bar]	[Red bar]			
A06020	Superstructure (Traper) Construction				[Red bar]		
A06040	Excavation + Blinding (Strip part)			[Green bar]			
A06045	Raft Foundation (Strip part)				[Red bar]		
Waterworks Ordinance (WSD)							
G06020	Submission of WWO46 - Part I & II (Inside Services)			[Red bar]			
061 Telecom Building							
A06120	Excavation + Blinding	[Blue bar]					
A06130	Raft Foundation		[Blue bar]	[Green bar]			
A06140	Superstructure				[Green bar]		
A06150	Finishing (KD9)					[Green bar]	
A06160	BS for Office Accommodations (KD9)					[Green bar]	
Aluminium Metal Canopy							
B06110	Shop Drawing Submission and Approval			[Green bar]			
B06115	Fabrication of Aluminium Cladding				[Green bar]		
101 Outbound Traffic Control Kiosk							
A10100	Excavation + Blinding		[Blue bar]	[Green bar]			
A10110	Raft Foundation			[Green bar]			
A10130	Superstructure (Roof Beams & Slabs)				[Green bar]		
A10140	Finishing					[Green bar]	
A10150	BS + E&M for AVCSS Works (KD18A)					[Green bar]	
A10160	BS + E&M for AVCSS Cabling (KD18B)					[Green bar]	
A10170	BS for Office Accommodations (KD9)					[Green bar]	
A10190	Other BS + E & M Installation					[Green bar]	
C10110	Submission of WWO46 - Part I & II (Inside Services)					[Green bar]	
HPL Composite Panel Cladding System							
B10110	Shop Drawing Submission and Approval			[Green bar]			
B10120	Fabrication of HPL Cladding				[Green bar]		
206 - Outbound Private Car Mobile X-ray Operation Area							
ER5780	Radiation Screen Wall Construction			[Green bar]			
External Works for Portion J							
Drainage Works							
ED4220	Drainage Works (1700m & 86MHs), Stage 1 (Northern)	[Blue bar]		[Red bar]			
ED4340	Sewerage (425m & 11MHs), Stage 1 (Northern)	[Blue bar]		[Red bar]			
ED5710	Drainage Works (1697m & 85MHs), Stage 2 (Southern)					[Red bar]	
ED5720	Sewerage (425m & 12MHs), Stage 2 (Southern)					[Red bar]	
Waterpipe Laying							
EW4230	Fresh Water Main Laying (770m), Stage 1 (Northern)			[Red bar]			

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EW4240	Flushing Water Main Laying (431m), Stage 1 (Northern)						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
EU5420	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV						
EU5430	Duct & Cable Laying for TCSS & Lighting						
Roadworks							
ER4320	Subbase (15400 ton), Stage 1 (Northern)						
ER4350	Bitumen Pavement (20000 ton), Stage 1 (Northern)						
ER4360	Rigid Pavement (173 m3), Footpath & EVA, Stage 1 (Northern)						
Sign Gantry DS104							
ES0140	Sign Gantry DS104 P-bored Piling, 8 Nr.						
ES5130	Testing for P-bored Piles						
ES5140	Submission and approval for Sign Gantry						
ES5150	Fabrication & Delivery of Sign Gantrys to Site						
PORTION K, L, M, S & T							
Portion K Building							
002 - C&ED Observation Guard Booth No. 1, Portion K							
A00210	Excavation + Blinding						
A00220	Raft Foundation						
A00230	Superstructure						
002 - C&ED Observation Guard Booth No. 2, Portion K							
B00210	Excavation + Blinding						
B00220	Raft Foundation						
B00230	Superstructure						
Portion M Buildings							
108 - C&ED Mobile X-ray Operation Office, Portion M							
B10800	Excavation + Blinding						
B10810	Substructure (raft Foundation)						
B10840	Superstructure (Roof beams & Slabs)						
B10850	Finishing						
B10860	BS for Office Accommodations (KD9)						
HPL Composite Panel Cladding System							
C10810	Shop Drawing Submission and Approval						
C10820	Fabrication of HPL Cladding						
104 DOH Screening Station, at Portion M							
C10400	Excavation + Blinding						
C10430	Structure (Raft Foundation)						
C10440	Finishing						
C10450	BS for Office Accommodations (KD9)						
C10470	Other BS + E & M Installation						
Facade Envelop Structure Installation							
D10450	Shop Drawing Submission and Approval						
D10455	Fabrication of F/C System						
203 - Outbound Coach/Shuttle Bus Exam Area & Mobile X-ray Operation Area							
ER5770	Radiation Screen Wall Construction						
External Works							
Additional Works (Filling & RE Slope), SA1							
ED3120	Approval of RE Slope by GEO/AECOM						
ED3210	C1 Contractor to Completed cooling mains at east Portion (Stage1)						
ED3220	Removal of Access & Form another Temp. Access for Cooling Main						

◆ C1 Contractor to Completed cooling mains at east Portion (Stage1)

Actual Work
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ED3270	Remove surcharge at the edge of Platform (North, Portion S, KD32)						
ED3280	Remove surcharge at the Platform (East, Portion T, KD33)						
Construction of Slopes							
ED3510	Footing for the Planter Wall, RE slope (West)						
ED3520	Construct RE slope (West)						
ED3550	Construction of fill slope (North)						
Drainage Works							
ED4370	Drainage Works (1477m & 81MHs), Stage 1 (Eastern)						
ED4490	Sewerage (78m & 2MHs), Stage 1 (Eastern)						
Waterpipe Laying							
EW4380	Fresh Water Main Laying (608m), Stage 1 (Eastern)						
EW4390	Flushing Water Main Laying (13m), Stage 1 (Eastern)						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
EU5450	Duct & Cable Laying for TCSS & Lighting						
Canopy and Covered Walkway							
CC1400	Shop drawing, Approved & Fabrication						
PORTION N							
Portion N Structure							
Box Culvert B							
Bored Pile							
SB0560	Install H-piles						
SB0590	Box B - Foundation: Revised as H-Piles						
Box Culvert Structure							
SB0710	Box B - Construction (Stage 1)						
SB0715	Handover from RC (1/11/16)						
SB0722	Box B - Temporary Works for Construction of Outfall Structure						
Portion N Buildings							
104 DOH Screening Station, at Portion N							
Facade Envelop Structure Installation							
D10410	Shop Drawing Submission and Approval						
D10415	Fabrication of F/C System						
106 C&ED Detention Area Guard Booth							
A10600	Excavation + Blinding						
A10610	Structure (Raft Foundation)						
A10640	Finishing						
E10640	BS for Office Accommodations (KD9)						
E10660	Other BS + E & M Installation						
Facade Envelop Structure Installation							
B10610	Shop Drawing Submission and Approval						
B10615	Fabrication of F/C System						
107 C&ED Mobile X-ray Operation Office, Portion N							
A10700	Excavation + Blinding						
A10710	Substructure (Raft Foundation)						
A10740	Superstructure						
HPL Composite Panel Cladding System							
B10710	Shop Drawing Submission and Approval						
B10720	Fabrication of HPL Composite Panel System						
200 - Inbound/Outbound Vehicle Detection Area							
ER5810	Construction of the Area and Access to the Interface Contractor						

- Actual Work
- Remaining Work
- Critical
- ◆ Milestone

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

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

Activity ID	Activity Name	2016		2017			
		Dec	Jan	Feb	Mar	Apr	
202 - Outbound Cargo Mobile X-ray Operation Area							
ER5790	Radiation Screen Wall Construction						
External Works for Portion N							
Drainage Works							
AS0150	Initial Survey						
ED4620	Drainage Works (964m & 56MHs), Stage 1 (Southern)						
ED4650	Sewerage (383m & 12MHs), Stage 1 (Southern)						
Waterpipe Laying							
EW4530	Fresh Water Main Laying (641m)						
EW4540	Flushing Water Main Laying (413m)						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
EU5460	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV						
EU5470	Duct & Cable Laying for TCSS & Lighting						
PORTION P							
Portion Structure							
Retaining Wall RW1							
RW1110	Construction of Retaining Wall RW1 (U-shape, 5 bays)						
Portion P Buildings							
105 IMMD Guard Booth, Portion P							
A10510	Excavation + Blinding						
A10520	Substructure (Raft Foundation)						
A10530	On Grade Ground Slab						
A10540	Finishing						
E10500	BS for Office Accommodations (KD9)						
E10510	BS + E&M for Office Accommodation (KD10)						
E10520	Other BS + E & M Installation						
Facade Envelop Structure Installation							
A10560	Shop Drawing Submission and Approval						
A10565	Fabrication of F/C System						
External Works for Portion P							
Drainage Works							
AS0160	Initial Survey						
ED4670	Drainage Works (2957m & 128MHs)						
ED4790	Sewerage (269m & 7MHs)						
Waterpipe Laying							
EW4680	Fresh Water Main Laying (1270m)						
EW4690	Flushing Water Main Laying (455m)						
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
EU5640	Access dates to Telephone Companies						◆ Access dates to Telephone Companies
Roadworks							
ER4770	Subbase (16519 ton)						
ER4800	Bitumen Pavement (23958 ton)						
ER4810	Rigid Pavement (220 m3), Footpath & EVA						
PORTION Q							
External Works for Portion Q							
Duct Laying for Utilities/Telecom Cabling, TCSS & Lighting							
ED5570	Duct & Cable Laying for Utilities/Telecom, CLP, BS & ELV						
ED5580	Duct & Cable Laying for TCSS & Lighting						

- Actual Work
- Remaining Work
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- ◆ Milestone

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31-Dec-16	3MRP updated as of 31 Dec. 2016	ZJ	

Activity ID	Activity Name	2016		2017			
		Dec	Jan	Feb	Mar	Apr	
EU1490	ELV System Installation for Contract HY/2013/04						
<i>Roadworks</i>							
AS0170	Initial Survey						
<i>Landscape Works</i>							
A5170	Design and Procurement for Irrigation System						

- Actual Work
- Remaining Work
- Critical
- Milestone

THREE MONTH ROLLING PROGRAMME
VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES
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Date	Revision	Checked	Approved
31-Oct-16	3MRP updated as of 30 Oct. 2016	ZJ	
30-Nov-16	3MRP updated as of 30 Nov. 2016	ZJ	
31-Dec-16	3MRP updated as of 31 Dec. 2016	ZJ	

Activity ID	Activity Name
Hong Kong-Zhuhai_Macao Bridge Hong Kong Boundary Crossin	
Key Dates	
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)
Interface Activities	
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
Site and Facility Inspection	
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																
Access Dates		<ul style="list-style-type: none"> Location 1(PCB (001) Basement)-Deg1 (270d), 10-May-16* Location 1(PCB (001) ELV Room (Grid Line E3))-Deg1 (270d), 10-May-16* Location 2(PCB (001) First Floor Main Server Room)-Deg1 (330d), 09-Jul-16* Location 2(PCB (001) First Floor Main Server Room)-Deg2 (380d), 28-Aug-16* Location 2(PCB (001) First Floor Main Server Room) - For Server Installation, 28-Aug-16* Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) - Deg1 (330d), 09-Jul-16* Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg1 (330d), 09-Jul-16* Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg2 (380d), 28-Aug-16* Location 3(Inbd Cargo Exam Bldg (037) MDF Room)-Deg1 (400d), 17-Sep-16* Location 3(Inbd Cargo Exam Bldg (037) ELV Room)-Deg1 (400d), 17-Sep-16* Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg1 (400d), 17-Sep-16* Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg2 (500d), 17-Sep-16* Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,140,141)-Deg1 (400d), 17-Sep-16* Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,140,141)-Deg2 (500d), 17-Sep-16* Location 3a(Inbd Cargo Exam Bldg ROCARS Room)-Deg1 (-), 17-Sep-16* Location 3a(Inbd Cargo Exam Bldg ROCARS Room)-Deg2 (480d), 06-Dec-16* Location 3a(Inbd Cargo Exam Bldg Main Server Room)-Deg1 (-), 17-Sep-16* Location 3a(Inbd Cargo Exam Bldg Main Server Room)-Deg2 (480d), 06-Dec-16* Location 3a(Inbd Cargo Exam Bldg Main Server Room) - For Server installation, 06-Dec-16* Location 4(Outbd Cargo Exam Bldg (023))-Deg1 (530d), 25-Jan-17* Location 4(Outbd Cargo Exam Bldg (023))-Deg2 (680d), 24-Jun-17* Location 4a(Outbd Cargo Exam Bldg (023))-Deg1 (-), 25-Jan-17* 															

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- █ Actual Level of Effort
- █ Actual Work
- █ Remaining Work
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- ▬ 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	
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		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
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)																
Interfaces Provisions																	
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)																
WA4 Site Erection & Servicing																	
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																

Programme No.: HZMB-DWP Data Date: 14-Aug-15	<ul style="list-style-type: none"> 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)		<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									
14-Nov-16	Rev.: 0	WC	LC									

Activity ID	Activity Name	2015		2016				2017				2018				2019		
		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
A4590	Installation of fencing post along the site boundary																	
A4600	Excavation for underground drainage pipe																	
A4610	Evenly spread the asphalt scrap material by backhoe																	
A4620	Cast concrete for the u-channel and underground drainage pipe																	
A4630	Remove the u-channel framework																	
A4640	Installation of chain-link fencing along the site boundary																	
A4650	Installation of access doors																	
A4660	Excavation for drainage ditch																	
A4670	Cast concrete for the drainage ditch																	
A4680	Compact the asphalt scrap material																	
A4690	Land surveying																	
A4700	Inspection of chain-link fencing and access doors																	
A4710	Testing of drains																	
A4720	Completion of the works																	
Detailed Design Specification																		
A1808	Preliminary System Proposal Submission																	
A1809	Engineer's agreement with preliminary system proposal																	
A1810	Draft Detailed Design Specification (DDS) Submission																	
A1814	Draft Hardware Function Design Specification for Computer system and Network system (HFD)																	
A1815	Draft Software Function Design Specification for Computer system and Network system (SFD)																	
A1820	Engineer's Review and Approval for Draft Detailed Design Specification (DDS)																	
A1823	Engineer's Review and Approval for Draft Hardware FDS for Computer system and Network system (HFD)																	
A1824	Engineer's Review and Approval for Draft Software FDS for Computer system and Network system (SFD)																	
A1829	Interface Requirements for CED (LBS, CED IT Server, Metro-Ethernet) and IMMD (AVCS)																	
A1830	Final DDS Submission (AVCSS,VTS,VIDS)(Phase 1/Section I)																	
A1831	Development of System Security Plan																	
A1840	Engineer's Review and Approval for Final DDS Submission including System Security Plan (AVCSS)(Phase 1/Section I)																	
A1850	Final DDS Submission (AVCSS)(Phase 2/Section II&III)																	
A1860	Engineer's Review and Approval for DDS Submission (AVCSS)(Phase 2/Section II&III)																	
Construction Design and Management																		
A6920	Construction Health and Safety Plan Submission																	
A6930	Construction Health and Safety Plan reviewed by Engineer																	
Supply/Manufacture Mock-up items																		
A4749	Preparation of Kiosk equipment Mock-up																	
A4750	Installation of Kiosk equipment Mock-up																	
Supply/Manufacture prototypes																		
A2900	Manufacture LED Display Prototype (VID, ODB and XDB)																	
A2910	Manufacture All-In-One Panel Prototype (AIOP)																	
Software Design, Coding and Testing																		

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Coding		<p>05-Jan-17, Coding</p> <ul style="list-style-type: none"> 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 															
Software System Inetgration		<p>22-May-17, Software System Inetgration</p> <ul style="list-style-type: none"> 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) 															
Prototype & Software Simulation Tests		<p>09-Sep-16, Prototype & Software Simulation Tests</p> <ul style="list-style-type: none"> 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 															
Procurement - Phase 1 / Section I		<p>27-Dec-16, Procurement - Phase 1 / Section I</p> <ul style="list-style-type: none"> Procurement of Equipment for Phase 1/Section I Procurement of Cable and Accessories for Phase 1 /Section I Procurement of All Servers and Workstations 															
Supply/Manufacture products for FAT		<p>10-Nov-16, Supply/Manufacture products for FAT</p> <ul style="list-style-type: none"> 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 															
Factory Acceptance Test (FAT)		<p>12-Dec-16, Factory Acceptance Test (FAT)</p> <ul style="list-style-type: none"> 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																		
Supply/Manufacture Equipment																			
A6830	Supply/Manufacture LED (ODB, VID and XDB) Display for installation																		
A6840	Supply/Manufacture AIOF for installation																		
Delivery and Bench Acceptance Test for Phase 1/ Section I																			
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																		
Installation - Phase 1 / Section I																			
Location 1(PCB (001) Basement)																			
A3081	Cable Laying and termination at Location 1 and Location 2																		
Location 1(PCB (001) ELV Room (Grid Line E3))																			
A3101	Cable Laying and termination at Location 1 and Location 2																		
Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3))																			
A3121	Cable Laying and termination at Location 1 and Location 2																		
Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD))																			
A2041	Cable Laying and termination at Location 1 and Location 2																		
A2042	Cable Testing																		
A2043	Intercom and PA system Installation																		
A2044	Intercom and PA system tuning																		
Location 2(PCB (001) First Floor Main Server Room)																			
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																		
Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,12)																			
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																		
Location 3(Inbd Cargo Exam Bldg (037) ELV Room)																			
A3210	Cable Laying and termination between Location 3 and CUE																		
Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)																			
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																		
Location 3(Inbd Cargo Exam Bldg (037) MDF Room)																			
A3190	Cable Laying and termination between Location 3 and CUE																		
Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room)																			
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																	
Location 3a(Inbd Cargo Exam Bldg Main Server Room)																		
A3330	Cable Laying and termination in Location 3 and Location 3a																	
A3340	AVCSS Server Installation																	
A3350	VTS Server Installation																	
A3360	Servers Tuning																	
Location 4(Outbd Cargo Exam Bldg (023) MDF Room)																		
A3410	Cable Laying and termination between CUE and Location 4																	
Location 4 and 4a(Outbd Cargo Exam Bldg (023) ROCARS Room)																		
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																	
Location 5(Common Utility Enclosure & Staff Subway)																		
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																	
Location 6(Common Utility Enclosure & Staff Subway)																		
A3450	Cable Laying between Location 5 and Location 6																	
A3490	ODB Switch Installation at EL Room 8-9,11-12																	
Location 7(Common Utility Enclosure & Staff Subway)																		
A3470	Cable Laying between Location 5 and Location 7																	
Location 12(Inbd Private Car Kiosks,GV Kiosks (027,028,029))																		
Inbd Private Car Kiosks(027) - 9 nos (Phase 1)																		
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																	
Inbd Goods Vehicle Kiosks(028) - 5 nos (Phase 1)																		
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																	
Outbd Goods Vehicle Kiosks(029) - 5 nos (Phase 1)																		
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																	
Location 13(Outbd Private Car Kiosks (030)) - 9 nos (Phase 1)																		
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																	
Location 14(Future-Outbd/Inbd Private Car Kiosks) - 6+6 nos																		
A2441	Cable Laying and termination at ELV Room in CUE																	
Location 15(Inbd Traffic Control Kiosk (100))																		
A3651	Cable Laying and termination																	
A3652	AVCSS SYSCON, SURCON Installation																	
A3660	VTS WS and 55" LCD Installation																	
A3670	SYSCON, SURCON, WS Tuning																	
Location 16(Outbd Traffic Control Kiosk (101))																		
A3701	Cable Laying and termination																	
A3702	AVCSS SYSCON, SURCON Installation																	
A3710	VTS WS and 55" LCD Installation																	
Location 17(Inbd Private Car Exam Bldg(033) Operational Office)																		
A3750	Cable Laying and termination																	
A3760	AVCSS SURCON and 55" LCD Installation																	
A3770	SURCON Tuning																	
Location 18 (Outbd Private Car Exam Bldg(024) Operational Office)																		
A3780	Cable Laying and termination																	
A3790	AVCSS SURCON and 55" LCD Installation																	
Location 19 (DOH Cargo Clearance Bldg(043))																		
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																	
Inbd Vehicle Clearance Plaza - 8 nos VID, 7 nos VTS, 4 nos TLS																		
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																	
Outbd Vehicle Clearance Plaza - 8 nos VID, 6 nos VTS, 4 nos TLS																		
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																	
Underground Ducting between Inbd Cargo Exam Bldg (037) and CUE																		
A3810	Cable Laying and termination (note: Access Date by C03)																	
Underground Ducting between Inbd Cargo Exam Bldg (037) and Inbd Vehicle Clea																		
A3830	Cable Laying and termination (note: Access Date by C03)																	
Underground Ducting between CUE and Outbd Car Exam Bldg (023)																		
A3850	Cable Laying and termination (note: Access Date by C03)																	
Underground Ducting Between Outbd Cargo Exam Bldg (023) and Outbd Vehicle C																		
A3870	Cable Laying and termination (note: Access Date by C03)																	
Underground Ducting between CUE and Outbd Vehicle Clearance Plaza																		
A3890	Cable Laying and termination (note: Access Date by C03)																	
On-Site Test and Commissioning (Phase 1 / Section I)																		
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																	
Site Acceptance Test (Phase 1 / Section I)																		
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																	
Security Risk Assessment and Audit																		
A6800	SRAA (Assessment)																	
A6810	Fix per SRAA Assessment																	
A6820	SRAA Audit																	
Operability Period Test (Phase 1 / Section I)																		
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																	
Completion (Phase 1 /Section I)																		
A2230	AVCSS - Certificate of Completion (Phase 1/Section I)																	
A2231	Certificate of Completion Approval by Engineer																	
Training and Document (Phase 1 /Section I)																		
A2180	Training Materials & Documentation Submission																	
A2190	Operation and Maintenance Training																	
Operation (Phase 1 /Section I)																		
A2240	Site Operation (Phase 1/Section I)																	
Engineering Support for Phase 1 / Section I																		

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A4420	Engineering Support for Phase 1/Section I																
Procurement - Phase 2 / Section II																	
A3980	Procurement of Lane Field Equipment for Phase 2/Section II																
Delivery and Bench Acceptance Test for Phase 2/Section II																	
A6760	Material On-site for Phase 2/Section II																
A6770	Bench Acceptance Test for Phase 2/Section II																
Instatllation - Phase 2 / Section II																	
Location 8(Inbd Pricate Car Annex (025)) (Phase 2)																	
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																
Location 9(Outbd Private Car Annex (032)) (Phase 2)																	
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																
Test and Commissioning (Phase 2 / Section II)																	
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)																
Completion (Phase 2 / Section II)																	
A2320	AVCSS - Certificate of Completion (Phase 2/Section II)																
A4320	Certificate of Completion Approval by Engineer																
Engineering Support for Phase 2 / Section II																	
A4450	Engineering Support for Phase 2/Section II																
Procurement for Phase2 / Section III																	
A4000	Procurement of Lane Field Equipment for Phase 2/Section III																
Delivery and Bench Acceptance Test for Phase2 / Section III																	
A6780	Material On-site for Phase 2/Section III																
A6790	Bench Acceptance Test for Phase 2/Section III																
Installation - Phase 2 / Section III																	
Location 10,11,12,13 (Vehicle Clearance Kiosks)																	
Shuttle Bus Kiosks (006) - 4 nos (Phase 2)																	
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																
Outbd Coach Kiosks (009) - 4 nos (Phase 2)																	
A2662	Cable Containment																
A2663	Cable Laying and termination																
A2670	AVCSS/DOH/MOM Kiosk Equipment Installation (4 nos)																
A4470	Outbd Coach Kiosks Installation Complete																
Inbd Private Car Kiosks (027) - 12 nos (Phase 2)																	
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																
Outbd Private Car Kiosks (030) - 12 nos (Phase 2)																	
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																
Inbd Goods Vehicle Kiosks (028) - 3 nos (Phase 2)																	
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																
Outbd Goods Vehicle Kiosks (029) - 3 nos (Phase 2)																	
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																
Inbd Coach Kiosks (010) - 4 nos (Phase 2)																	
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																
Underground Ducting between CUE and Shuttle Bus Kiosk (006)																	
A3970	Cable Laying and termination (note: Access Date by C03)																
Underground Ducting between PCB(001) and Inbd Coach Kiosks(010)																	
A3930	Cable Laying and termination (note: Access Date by C03)																
Test and Commissioning (Phase 2 / Section III)																	

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

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