

MATERIALAB CONSULTANTS LIMITED

Room 723 & 725, 7/F, Block B,
Profit Industrial Building,
1-15 Kwai Fung Crescent, Kwai Fong,
Hong Kong.

Tel : (852)-24508238
Fax : (852)-24508032
Email : mcl@fugro.com

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

Report No.: 0165/15/ED/1045

Appendix C

Construction Programme

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										03-Jan-18							
Activity ID		Activity Name		2017		2018											
				Dec		Jan		Feb		Mar							
HKBCF - VCP & Ancillary Buildings and Facilities, DWP5 (+ DRM 2)																	
Stages of the Project Completion																	
Stage 1: 31st Dec. 2017																	
A2010	All Kiosk 006, 009, 010, 027, 028, 029 & 030			◆ All Kiosk 006, 009, 010, 027, 028, 029 & 030													
A2020	Road Pavement: Traffic Lanes through Kiosk 4-2-2-4			◆ Road Pavement: Traffic Lanes through Kiosk 4-2-2-4													
A2030	Northern PTI (Except SW Corner)			◆ Northern PTI (Except SW Corner)													
A2040	Southern PTI			◆ Southern PTI													
A2050	All Carpark Area surrounded by A2, A6 & A7			◆ All Carpark Area surrounded by A2, A6 & A7													
A2060	Bridge A1 - 9			◆ Bridge A1 - 9													
A2070	Road Pavement: 2 Traffic Lanes through Kiosk 006, 009 & 010			◆ Road Pavement: 2 Traffic Lanes through Kiosk 006, 009 & 010													
A2080	Internal Road (up to TTA)			◆ Internal Road (up to TTA)													
A2090	Boundary Road (up to subbase) (Half Lane)			◆ Boundary Road (up to subbase) (Half Lane)													
A2100	Security Fencing			◆ Security Fencing													
A2200	Completion of Buildings			◆ Completion of Buildings													
Stage 2: 15th Feb. 2018																	
A2110	Road Pavement: Traffic Lanes through Kiosk 9-5-5-9			◆ Road Pavement: Traffic Lanes through Kiosk 9-5-5-9													
A2120	Road Pavement: 4 Traffic Lanes through Kiosk 006, 009 & 010			◆ Road Pavement: 4 Traffic Lanes through Kiosk 006, 009 & 010													
A2130	Security Fencing (E&M Works)			◆ Security Fencing (E&M Works)													
A2140	North PTI (SW Corner)			◆ North PTI (SW Corner)													
A2150	Topsoil for Landscape Works			◆ Topsoil for Landscape Works													
A2160	Internal Road (Rings up to RB 1st Layer)			◆ Internal Road (Rings up to RB 1st Layer)													
A2170	Boundary Roads (Rings up to RB, half lane)			◆ Boundary Roads (Rings up to RB, half lane)													
Completion of Works																	
Stage 1: Kiosks of 006, 009, 010, 027, 028, 029 & 030																	
Kiosks of 027																	
K034	Remaining 12-Kiosks: Finishing, Glass Window & Door																
K036	Remaining 12-Kiosks: Degree 3 Handover			◆ Rema													
Kiosks of 028																	
K174	Remaining 5-Kiosks: Finishing, Glass Window & Door																
K176	Remaining 5-Kiosks: Degree 3 Handover			◆ Remaining 5-Kiosks: Degree 3 Handover													
Kiosks of 029																	
K110	5-Kiosks: Finishing, Glass Window & Door																
K120	5-Kiosks: Degree 3 Handover			◆ 5-Kiosks: Degree 3 Handover													
K124	Remaining 5-Kiosks: Finishing, Glass Window & Door																
K126	Remaining 5-Kiosks: Degree 3 Handover			◆ Remaining 5-Kiosks: Degree 3 Handover													
Kiosks of 030																	
K210	9-Kiosks: Finishing, Glass Window & Door																
K220	9-Kiosks: Degree 3 Handover			◆ 9-Kiosks: Degree 3 Handover													
K226	Remaining 12-Kiosks: Degree 3 Handover			◆ Remaining 12-Kiosks: Degree 3 Handover													
K230	Installation of Steel Y-Junction, remaining																
K240	Installation of Cladding, remaining																
Kiosk 006 (All)																	
K260	Finishing, Glass Window & Door																
K270	Degree 3 Handover			◆ Degree 3 Handover													
K290	Installation of Cladding																
Kiosk 009 (All)																	
K310	Finishing, Glass Window & Door																
K320	Degree 3 Handover			◆ Degree 3 Handover													
Kiosk 010 (All)																	
K360	Finishing, Glass Window & Door																
K370	Degree 3 Handover			◆ Degree 3 Handover													
K390	Installation of Cladding																
Stage 1: Traffic Lanes through Kiosk 4-2-2-4 & 006, 009 & 010																	
Inbound West: Through 4 Kiosk of 027																	
D010	Drainage																
D020	Sewerage																
Actual Work Remaining Work Critical				◆ Milestone													
3MRP, AS OF 31 DECEMBER 2017 VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES Page 1 of 8										Date 31-Oct-17 30-Nov-17 31-Dec-17		Revision 3MRP, updated as of 31 Oct. 2017 3MRP, updated as of 30 Nov. 2017 3MRP, updated as of 31 dec. 2017		Checked ZJ ZJ ZJ		Approved	

Activity ID	Activity Name												
		2017			2018								
		Dec			Jan			Feb			Mar		
													Apr
D040	UU Ducts Laying												
R010	Subbase & Bitumen Pavement												
R020	Kerb/Edges												
R025	U-channel												
R030	Street lighting												
R040	concrete Pavement												
R050	Road Marking												
Inbound East: Through 2 Kiosk of 028													
D050	Drainage												
D060	UU Ducts Laying												
R060	Subbase & Bitumen Pavement												
R070	Kerb/Edges												
R075	U-channel												
R080	Street lighting												
R100	Concrete Pavement												
R110	Road Marking												
Outbound West: Through 2 Kiosk of 029													
D110	Drainage												
D120	Sewerage												
D130	Watermains & Flush Watering												
D140	UU Ducts Laying												
R210	Subbase & Bitumen Pavement												
R220	Kerb/Edges												
R225	U-channel												
R230	Street lighting												
R240	Concrete Pavement												
R250	Road Marking												
Outbopund East: Through 4 Kiosk of 030													
D150	Drainage												
D170	UU Ducts Laying												
R310	Subbase & Bitumen Pavement												
R320	Kerb/Edges												
R325	U-channel												
R330	Street lighting												
R335	High Mast Lighting												
R340	Concrete Pavement												
R350	Road Marking												
R360	Security Fencing												
Through 2+2 Kiosks of 006, 009													
D210	Drainage												
D220	Sewerage												
D230	Watermains & Flush Watering												
D240	UU Ducts Laying												
R420	Kerb/Edges												
R425	U-channel												
R430	Street lighting												
R445	Concrete Pavement												
R450	Road Marking												
Through 2 Kiosks of 010, include Portion D													
D250	Drainage												
D260	Sewerage												
D270	Watermains & Flush Watering												
D280	UU Ducts Laying												
R1430	Kerb/Edges												
R1435	U-channel												
R1440	Street lighting												
R1450	Bitumen Pavement												

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										03-Jan-18							
Activity ID		Activity Name		2017			2018										
				Dec			Jan			Feb			Mar		Apr		
	R1455	Concrete Pavement															
	R1460	Road Marking															
Stage 1: Internal Road around Buildings and Boundary Road																	
Internal Road - South of CUE, West Side (026-033)																	
	D310	Drainage															
	D330	Watermains & Flush Watering															
	D340	UU (LV & ELV etc.) Ducts Laying															
	R510	Subbase & 1st RB, as TTA for Internal Road															
	R520	Kerb/Edges															
	R522	U-channel															
	R540	Street lighting															
Internal Road - South of CUE, East Side (037-054)																	
	D350	Drainage															
	D360	Sewerage															
	D380	UU (LV & ELV etc.) Ducts Laying															
	R470	Subbase & 1st RB, as TTA for Internal Road															
	R490	Kerb/Edges															
	R580	U-channel															
	R980	Street lighting															
Internal Road - South of CUE, S/W Corner (049)																	
	D450	Drainage															
	D460	Sewerage															
	D470	Watermains & Flush Watering															
	D480	UU (LV & ELV etc.) Ducts Laying															
	R1990	Subbase & 1st RB, as TTA for Internal Road															
	R2010	Kerb/Edges															
	R2020	U-channel															
	R2990	Street lighting															
Internal Road - North of CUE, West Side (023-057)																	
	D410	Drainage															
	D420	Sewerage															
	D440	UU (LV & ELV etc.) Ducts Laying															
	R1110	Subbase & 1st RB, as TTA for Internal Road															
	R1140	Kerb/Edges															
	R1150	U-channel															
	R1160	Street lighting															
Internal Road - North of CUE, East Side (024-031)																	
	D500	Drainage															
	D520	Sewerage															
	D540	UU (LV & ELV etc.) Ducts Laying															
	R1500	Subbase & 1st RB, as TTA for Internal Road															
	R1510	Kerb/Edges & U-channel															
	R3000	Street lighting															
Stage 1: Bridges (All), include W7-W																	
	R1290	Backfilling to Retaining Walls and Embankment															
	R1303	Railling															
	R1330	Remaining Pavement on Bridges & Retaing Walls															
	R1340	Lighting, Signages & Gantry															
	R2170	Road Marking															
Stage 1: Boundary Road (Half Lane)																	
North Boundary Road																	
	D510	Drainage															
	R770	Subbase & half lane with 1st RB															
	R790	Kerb/Edges															
	R810	U-channel															
	R910	Security Fence															
	R920	Street lighting															
Actual Work Remaining Work Critical				3MRP, AS OF 31 DECEMBER 2017						VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES		Date		Revision		Checked	Approved
												31-Oct-17		3MRP, updated as of 31 Oct. 2017		ZJ	
												30-Nov-17		3MRP, updated as of 30 Nov. 2017		ZJ	
												31-Dec-17		3MRP, updated as of 31 dec. 2017		ZJ	

Activity ID	Activity Name												
		2017			2018			2018			2018		
		Dec			Jan			Feb			Mar		
East Boundary Road													
D620	Drainage												
D630	Sewerage												
D650	UU (LV & ELV etc.) Ducts Laying												
R2090	Subbase & half lane with 1st RB												
R2100	Kerb/Edges												
R2110	U-channel												
R2890	Security Fence												
R3010	Street lighting												
West Boundary Road													
D710	Drainage												
D720	UU (LV & ELV etc.) Ducts Laying												
R2120	Subbase & half lane with 1st RB												
R2130	Kerb/Edges												
R2140	U-channel												
R2930	Security Fence												
R3020	Street lighting												
South Boundary Road, include W7-W													
D660	Drainage												
D670	UU (LV & ELV etc.) Ducts Laying												
R2900	Subbase & half lane with 1st RB												
R2910	Kerb/Edges												
R2920	U-channel												
R2940	Security Fence												
R3030	Street lighting												
Stage 1: North of CUE, North Coast Road													
D730	Drainage												
D760	UU (LV & ELV etc.) Ducts Laying												
R2030	Subbase & 1st RB, as TTAfor Internal Road												
R2040	Kerb/Edges & U-channel												
R2950	Security Fence												
R3040	Street lighting												
Stage 1: Public Transport Interchange													
South Public Transport Interchange													
D770	Drainage												
R1260	Subbase & Pavement												
R1350	Canopy for Covered Walkway												
R3050	Street lighting												
Around Horse Track													
D11560	Drainage												
D11570	Sewerage												
R1550	Subbase & Pavement												
R1570	Kerb/Edges												
R1600	U-channel												
R2150	Street Lighting												
R2160	Road Marking												
R3130	Security Fence												
North Public Transport Interchange (Except SW Corner)													
D810	Drainage												
D820	UU (LV & ELV etc.) Ducts Laying												
R1310	Subbase & Pavement												
R1360	Canopy for Covered Walkway												
R3060	Street lighting												
R3090	Road Marking												
Stage 1: Carpark & Taxi Queuing													
Carparks													
D830	Drainage												

Actual Work

◆

◆ Milestone

Remaining Work

Critical

Date	Revision	Checked	Approved
31-Oct-17	3MRP, updated as of 31 Oct. 2017	ZJ	
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31-Dec-17	3MRP, updated as of 31 dec. 2017	ZJ	

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										03-Jan-18	
Activity ID		Activity Name		2017		2018					
				Dec		Jan		Feb		Mar	
	D04670	046 - Refuse Collection Point, FSD Inspection									
	D04750	047 - Fresh Water Pumping Station, FSD Inspection									
	D04850	048 - Reclaimed Water Pumping Station, FSD Inspection									
	D04972	049 - Sewerage Treatment Plant, FSD Inspection									
	D05170	051 - Transformers (Zone 5), FSD Inspection									
	D05470	054 - Inbound Fixed X-ray, FSD Inspection									
	D05770	057 - Transformers (Zone 2), FSD Inspection									
	D06070	060 - Single Storey Support Buildingm FSD Inspection									
	D06160	061 - Telecom Building, FSD Inspection									
	D10060	100 - Inbound Traffic Control Kiosk, FSD Inspection									
	D10150	101 - Outbound Traffic Control Kiosk, FSD Inspection									
	D10250	102 - HKPF UVSS Monior Room, FSD inspection									
	D10350	103 - Police Inspection Post, Portion B, FSD inspection									
	D10400	104 - DOH Secondary Screening Station, Portion C									
	D10425	104 - DOH Screening Station, Portion M, FSD Inspection									
	D10435	104 - DOH Screening Station, Portion N, FSD Inspection									
	D10560	105 - IMMD Guard Booth, Portion A1, FS Inspection by FSD									
	D10565	105 - IMMD Guard Booth, Portion P, FSD Inspection									
	D10680	106 - C&ED Detention Area Guard Booth, FSD Inspection									
	D10784	107 - C&ED Mobile Operation Office, Portion B, FSD inspection									
	D10786	107 - C&ED Mobile X-ray Operation Office, Portion N									
	D10840	108 - C&ED Mobile X-ray Machine Operation Office, Portion C									
	D10890	108 - C&ED Mobile X-Ray Operation Office, portion M									
	D11040	110 - IMMD Guard Booth, Portion C-East, FS inspection									
	E11080	110 - IMMD Guard Booth, Portion C-West, FSD inspection									
	E11170	111 - Field Kiosk for Carpark Operator, FSD inspection									
	E11270	112 - Field Kiosk for Taxi Queuing Area, FSD Inspection									
	F11320	113 - Field Kiosk for Access Control, Portion C, FSD inspection									
	F11324	113 - Field Kiosk for Access Control, Portion B, FSD inspection									
	F11360	114 - Field Kiosk for Access Control, Portion D, FS inspection									
Stage 2: Traffic Lanes through Kiosk 9-5-5-9 & 006, 009 & 010											
	D550	Remaining Drainage									
	R1120	Remaining Subbase									
Inbound West: Through 5 Kiosk of 027											
	R1620	U-channel									
	R1630	Kerb/Edges									
	R1640	Street lighting									
	R1650	Bitumen Pavement									
	R1660	Road Marking									
Inbound East: Through 3 Kiosk of 028											
	R2180	U-channel									
	R2190	Kerb/Edges									
	R2200	Street lighting									
	R2210	Bitumen Pavement									
	R2220	Road Marking									
Outbound West: Through 3 Kiosk of 029											
	R2230	U-channel									
	R2240	Kerb/Edges									
	R2250	Street lighting									
	R2260	Bitumen Pavement									
	R2270	Road Marking									
Outbound East: Through 5 Kiosk of 030											
	R2280	U-channel									
	R2290	Kerb/Edges									
	R2300	Street lighting									
	R2310	Bitumen Pavement									
	R2320	Road Marking									
										</	

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										03-Jan-18	
Activity ID		Activity Name		2017		2018					
				Dec		Jan		Feb		Mar	
Through 2+2 Kiosks of 006, 009											
R1820	U-channel										
R1830	Kerb/Edges										
R1840	Street lighting										
R1850	Bitumen Pavement										
R1860	Road Marking										
Through 2 Kiosks of 010											
R1870	U-channel										
R1880	Kerb/Edges										
R1890	Street lighting										
R1900	Bitumen Pavement										
R1910	Road Marking										
Internal Road - South of CUE, West Side (026-033)											
R2330	1st Layer RB										
Internal Road - South of CUE, East Side (037-054)											
R2420	1st Layer RB										
Internal Road - North of CUE, West Side (023-057)											
R2430	1st Layer RB										
Internal Road - North of CUE, East Side (024-031)											
R2440	1st Layer RB										
Remaining North PTI (SW Corner)											
R3140	Remaining North PTI (SW Corner)										
South Boundary Road											
R3150	South Boundary Road, up to WC										
Landscape Works											
R2620	Laying of Top Soil										
Stage 3											
Internal Road - South of CUE, West Side (026-033)											
R2450	Completion of Pavement with Street lighting & Road Marking										
Internal Road - South of CUE, East Side (037-054)											
R2460	Completion of Pavement with Street lighting & Road Marking										
Internal Road - North of CUE, West Side (023-057)											
R2470	Completion of Pavement with Street lighting & Road Marking										
Internal Road - North of CUE, East Side (024-031)											
R2480	Completion of Pavement with Street lighting & Road Marking										
Internal Road - North of CUE, North Coast Road											
R2490	Completion of Pavement with Street lighting & Road Marking										
North Boundary Road											
R2600	Pavement with street lighting up to 1st Layer RB										
East Boundary Road											
R2530	Pavement with street lighting up to 1st Layer RB										
West Boundary Road											
R2610	Pavement with street lighting up to 1st Layer RB										
Stage 6: Roadworks through Remaining Kiosks (027, 028, 029 & 030)											
Inbound West: Through 12 Kiosk of 027											
R2660	Kerb/Edges										
R2665	U-channel										
R2670	Street lighting										
R2680	Bitumen Pavement										
Inbound East: Through 5 Kiosk of 028											
R2710	Kerb/Edges										
R2715	U-channel										
R2720	Street lighting										
R2730	Bitumen Pavement										
Outbound West: Through 5 Kiosk of 029											
Actual Work Remaining Work Critical Milestone				3MRP, AS OF 31 DECEMBER 2017 VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES Page 7 of 8				Date 31-Oct-17 30-Nov-17 31-Dec-17 Revision 3MRP, updated as of 31 Oct. 2017 3MRP, updated as of 30 Nov. 2017 3MRP, updated as of 31 dec. 2017 Checked ZJ ZJ ZJ Approved			

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										03-Jan-18								
Activity ID		Activity Name																
				2017					2018									
				Dec					Jan			Feb			Mar			Apr
	R2750	U-channel																
	R2760	Kerb/Edges																
	R2770	Street lighting																
	R2780	Bitumen Pavement																
	Outbound East: Through 12 Kiosk of 030																	
	R2800	U-channel																
	R2810	Kerb/Edges																
	R2820	Street lighting																
	R2830	Bitumen Pavement																

Actual Work Remaining Work Critical Milestone Milestone

3MRP, AS OF 31 DECEMBER 2017

VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES

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Date	Revision	Checked	Approved
31-Oct-17	3MRP, updated as of 31 Oct. 2017	ZJ	
30-Nov-17	3MRP, updated as of 30 Nov. 2017	ZJ	
31-Dec-17	3MRP, updated as of 31 dec. 2017	ZJ	

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities						01-Feb-18			
Activity ID		Activity Name		2018					
				Jan	Feb	Mar	Apr		
HKBCF - VCP & Ancillary Buildings and Facilities, DWP5 (+ DRM 2)									
Kiosks of 006, 009, 010, 027, 028, 029 & 030									
K034	027 Remaining 12-Kiosks: Finishing, Glass Window & Door, D3								
K120	028 Remaining 5-Kiosks: Finishing, Glass Window & Door, D3								
K124	029 Remaining 5-Kiosks: Finishing, Glass Window & Door, D3								
K220	030 Remaining 12-Kiosks: Finishing, Glass Window & Door, D3								
K260	006 4 Kiosk: Finishing, Glass Window & Door, D3								
K360	010 4 Kiosk: Finishing, Glass Window & Door, D3								
Plazas: Traffic Lanes through Kiosks									
Inbound: Through Kiosk of 027 & 028									
R010	Kerb/Edges, U-channel & Bitumen Pavement								
R030	Street lighting & Road Marking								
Outbound: Through Kiosk of 029 & 030									
D130	Laying of Watermains & Flush Watering and UU Ducts								
R210	Kerb/Edges, U-channel & Bitumen Pavement								
R230	Street lighting & Road Marking								
North Coast Road									
R2030	Kerb/Edges, U-channel & Bitument Pavement								
R3040	Street lighting & Road Marking								
Through Kiosks of 006, 009									
D210	Laying of Drainage/Sewerage, Watermain/Flush Water & UU Ducts								
R420	Kerb/Edges, U-Channel & Concrete Pavement								
R430	Street lighting								
Through Kiosks of 010, include Portion D									
D280	UU Ducts Laying								
R1430	Kerb/Edges, U-channel & Pavement								
R1440	Street lighting								
Internal Road around Buildings and Boundary Road									
Internal Road - South of CUE, West Side (026-033)									
R510	Kerb/Edges, U-channel & Bitumen Pavement								
R540	Street lighting & Road Marking								
Internal Road - South of CUE, East Side (037-054)									
R470	Kerb/Edges, U-channel & Bitumen Pavement								
R980	Street lighting & Road Marking								
Internal Road - South of CUE, S/W Corner (049)									
D460	Laying of Drainage/Sewerage, Watemain/Flush & UU Ducts								
R1990	Kerb/Edges, U-channel & Bitumen Pavement								
R2990	Street lighting & Road Marking								
Internal Road - North of CUE, West Side (023-057)									
D410	Laying of Drainage & UU Ducts								
R1110	Kerb/Edges, U-channel & Bitumen Pavement								
R1160	Street lighting & Road Marking								
Internal Road - North of CUE, East Side (024-031)									
D500	Laying of Drainage & UU Ducts								
R1500	Kerb/Edges, U-channel & Bitument Pavement								
R3000	Street lighting & Road Marking								
Bridges (All), include W7-W									
R1280	Installation of Movement Joint								
R1330	Remaining Pavement on Bridges & Retaing Walls								
R1340	Lighting, Signages, Gantry & Marking								
Boundary Road									
North Boundary Road									
R770	Kerb/Edges, U-channel & Bitumen Pavement								
R920	Street lighting & Road Marking								
East Boundary Road									
Actual Work Remaining Work Critical		Milestone		3MRP, AS OF 31 JANUARY 2018		Date	Revision	Checked	Approved
				VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES		31-Jan-18	3MRP, updated as of 31 Jan. 2018	ZJ	
				Page 1 of 3					

Activity ID	Activity Name	2018			
		Jan	Feb	Mar	Apr
R2090	Kerb/Edges, U-channel & Bitumen Pavement				
R3010	Fencing, Street lighting & Road Marking				
West Boundary Road					
D710	Laying of Drainage & UU Ducts				
R2120	Kerb/Edges, U-channel & Bitumen Pavement				
R3020	Street lighting				
South Boundary Road					
R2900	Kerb, U-channel & Bitumen Pavement				
R3030	Street lighting & Road Marking				
Public Transport Interchange					
South Public Transport Interchange					
R1320	Kerb, U-channel & Bitumen Pavement				
R1350	Canopy for Covered Walkway				
R3050	Lighting & Signs				
Around Horse Track					
R1550	Wear Course Pavement, Lighting & Road Marking				
North Public Transport Interchange					
R1310	Pavement except SW Corner & Signs				
R1360	Canopy for Covered Walkway				
R1370	Lighting & Signs				
R3060	Works at SW Corner				
Carpark & Taxi Queuing					
Car parks					
D830	Laying of Drainage/Sewerage, UU Ducts				
R1520	Kerbs/Edges & Pavement				
R3070	Lighting & Signs				
South Taxi Queuing					
D850	Laying of Drainage & UU Ducts				
R2050	Kerb/Edges & Pavement				
R3080	Lighting & Signs				
T&C of Buildings (Degree 3 & Access to Users)					
A00290	002 - C&ED Observation Guard Booth, Portion K No.1				
B00290	002 - C&ED Observation Guard Booth, Portion K No. 2				
B00294	002 - C&ED Observation Guard Booth, Portion H1 No. 1				
B00296	002 - C&ED Observation Guard Booth, Portion H1 No. 2				
B00298	002 - C&ED Observation Guard Booth, Portion R				
B00610	006 - Shuttle Bus Kiosk & Staff Subway				
B00910	009 - Outbound Coach Kiosk & Staff Subway				
B01010	010 - Inbound Coach Kiosk & Staff Subway				
C01240	012 - DOH Disinsection Area and Store , Portion A1				
C01252	012 - DOH Disinsection Area, Portion C				
C02450	024 - Outbound Private Car Exam Building				
C02670	026 - Inbound IMMD and DOH Secondary Screening Building				
C02710	027 - Inbound VCP private Car Kiosks & Inbound Staff Subway				
C02810	028 - Inbound GV Kiosks & Inbound Staff subway				
C02910	029 - Outbound GV Kiosks & Outbound Staff subway				
C03010	030 - Outbound VCP Private Kiosk & Outbound Staff Subway				
C03190	031 - Outbound IMMD and DOH Secondary Screen Building				
C03380	033 - Inbound Private Car Exam Building				
C03460	034 - Satellite RCP South				
C03580	035 - Sewage Pumping Station				
C03660	036 - Weigh Station				
C03780	037 C&ED Tower & Inbound Cargo Examination Building				
C03850	038 - AFCD Office				
C03990	039 - Police Main Building				
D04070	040 - Incident Control Tower				

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										01-Feb-18									
Activity ID		Activity Name		2018															
				Jan				Feb				Mar				Apr			
	D04180	041 Fire Station & Ambulance Depot																	
	D04240	042 - Drill Tower																	
	D04320	043 - DOH Office + Store Room																	
	D04670	046 - Refuse Collection Point																	
	D04750	047 - Fresh Water Pumping Station																	
	D04850	048 - Reclaimed Water Pumping Station																	
	D04972	049 - Sewerage Treatment Plant																	
	D05170	051 - Transformers (Zone 5)																	
	D05240	052 - Tranforms (Zone 4)																	
	D05470	054 - Inbound Fixed X-ray																	
	D05770	057 - Transformers (Zone 2)																	
	D06070	060 - Single Storey Support Buildingm																	
	D06160	061 - Telecom Building																	
	D10060	100 - Inbound Traffic Control Kiosk																	
	D10150	101 - Outbound Traffic Control Kiosk																	
	D10250	102 - HKPF UVSS Monior Room																	
	D10350	103 - Police Inspection Post, Portion B																	
	D10400	104 - DOH Secondary Screening Station, Portion C																	
	D10425	104 - DOH Screening Station, Portion M																	
	D10435	104 - DOH Screening Station, Portion N																	
	D10560	105 - IMMD Guard Booth, Portion A1																	
	D10565	105 - IMMD Guard Booth, Portion P																	
	D10680	106 - C&ED Detention Area Guard Booth																	
	D10784	107 - C&ED Mobile Operation Office, Portion B																	
	D10786	107 - C&ED Mobile X-ray Operation Office, Portion N																	
	D10840	108 - C&ED Mobile X-ray Machine Operation Office, Portion C																	
	D10890	108 - C&ED Mobile X-Ray Operation Office, portion M																	
	D11040	110 - IMMD Guard Booth, Portion C-East																	
	E11080	110 - IMMD Guard Booth, Portion C-West																	
	E11170	111 - Field Kiosk for Carpark Operator																	
	E11270	112 - Field Kiosk for Taxi Queuing Area																	
	F11320	113 - Field Kiosk for Access Control, Portion C																	
	F11324	113 - Field Kiosk for Access Control, Portion B																	
	F11360	114 - Field Kiosk for Access Control, Portion D																	
T&C of Works																			
	D550	T&C for E&M Works (Lighting/Signs), Water Mains/Flush & UU Cable																	
	D560	T&C of ELV systems in Location 1.7A/B/C, 1.8 and in C2, C3 & C4 site																	
	D570	T&C of Building 035, 048 & 049																	
	R1120	T&C for exeternal works (Drainage/Sewerage & Road Furnish)																	
Landscape Works																			
	R2620	Laying of Top Soil																	
	R2860	Completion of Landscape Works																	

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										01-Mar-18			
Activity ID		Activity Name		2018									
				Feb		Mar		Apr		May			
HKBCF - VCP & Ancillary Buildings and Facilities, DWP5 (+ DRM 2)													
Kiosks of 006, 009, 010, 027, 028, 029 & 030													
K034	027 Remaining 12-Kiosks: Finishing, Glass Window & Door, D3												
K120	028 Remaining 5-Kiosks: Finishing, Glass Window & Door, D3												
K124	029 Remaining 5-Kiosks: Finishing, Glass Window & Door, D3												
K220	030 Remaining 12-Kiosks: Finishing, Glass Window & Door, D3												
K260	006 4 Kiosk: Finishing, Glass Window & Door, D3												
K360	010 4 Kiosk: Finishing, Glass Window & Door, D3												
Plazas: Traffic Lanes through Kiosks													
Inbound: Through Kiosk of 027 & 028													
R010	Kerb/Edges, U-channel & Bitumen Pavement												
R030	Street lighting & Road Marking												
Outbound: Through Kiosk of 029 & 030													
R210	Kerb/Edges, U-channel & Bitumen Pavement												
R230	Street lighting & Road Marking												
North Coast Road													
R2030	Kerb/Edges, U-channel & Bitument Pavement												
R3040	Street lighting & Road Marking												
Through Kiosks of 006, 009													
R420	Kerb/Edges, U-Channel & Concrete Pavement												
R430	Street lighting												
Through Kiosks of 010, include Portion D													
R1430	Kerb/Edges, U-channel & Pavement												
R1440	Street lighting												
Internal Road around Buildings and Boundary Road													
Internal Road - South of CUE, West Side (026-033)													
R510	Kerb/Edges, U-channel & Bitumen Pavement												
R540	Street lighting & Road Marking												
Internal Road - South of CUE, East Side (037-054)													
R470	Kerb/Edges, U-channel & Bitumen Pavement												
R980	Street lighting & Road Marking												
Internal Road - South of CUE, S/W Corner (049)													
D460	Laying of Drainage/Sewerage, Watemain/Flush & UU Ducts												
R1990	Kerb/Edges, U-channel & Bitumen Pavement												
R2990	Street lighting & Road Marking												
Internal Road - North of CUE, West Side (023-057)													
D410	Laying of Drainage & UU Ducts												
R1110	Kerb/Edges, U-channel & Bitumen Pavement												
R1160	Street lighting & Road Marking												
Internal Road - North of CUE, East Side (024-031)													
D500	Laying of Drainage & UU Ducts												
R1500	Kerb/Edges, U-channel & Bitument Pavement												
R3000	Street lighting & Road Marking												
Bridges (All), include W7-W													
R1330	Remaining Pavement on Bridges & Retaing Walls												
R1340	Lighting, Signages, Gantry & Marking												
Boundary Road													
North Boundary Road													
R770	Kerb/Edges, U-channel & Bitumen Pavement												
R920	Street lighting & Road Marking												
East Boundary Road													

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										01-Mar-18							
Activity ID		Activity Name		2018													
				Feb		Mar		Apr				May					
	R2090	Kerb/Edges, U-channel & Bitumen Pavement															
	R3010	Fencing, Street lighting & Road Marking															
West Boundary Road																	
	D710	Laying of Drainage & UU Ducts															
	R2120	Kerb/Edges, U-channel & Bitumen Pavement															
	R3020	Street lighting															
South Boundary Road																	
	R2900	Kerb, U-channel & Bitumen Pavement															
	R3030	Street lighting & Road Marking															
Public Transport Interchange																	
South Public Transport Interchange																	
	R1320	Kerb, U-channel & Bitumen Pavement															
	R3050	Lighting & Signs															
Around Horse Track																	
	R1550	Wear Course Pavement, Lighting & Road Marking															
North Public Transport Interchange																	
	R1310	Pavement except SW Corner & Signs															
	R1360	Canopy for Covered Walkway															
	R1370	Lighting & Signs															
	R3060	Works at SW Corner															
Carpark & Taxi Queuing																	
Carparks																	
	D830	Laying of Drainage/Sewerage, UU Ducts															
	R1520	Kerbs/Edges & Pavement															
	R3070	Lighting & Signs															
South Taxi Queuing																	
	D850	Laying of Drainage & UU Ducts															
	R2050	Kerb/Edges & Pavement															
	R3080	Lighting & Signs															
T&C of Buildings (Degree 3 & Access to Users)																	
	A00290	002 - C&ED Observation Guard Booth, Portion K No.1															
	B00290	002 - C&ED Observation Guard Booth, Portion K No. 2															
	B00294	002 - C&ED Observation Guard Booth, Portion H1 No. 1															
	B00296	002 - C&ED Observation Guard Booth, Portion H1 No. 2															
	B00298	002 - C&ED Observation Guard Booth, Portion R															
	B00610	006 - Shuttle Bus Kiosk & Staff Subway															
	B01010	010 - Inbound Coach Kiosk & Staff Subway															
	C01240	012 - DOH Disinsection Area and Store , Portion A1															
	C01252	012 - DOH Disinsection Area, Portion C															
	C02450	024 - Outbound Private Car Exam Building															
	C02670	026 - Inbound IMMD and DOH Secondary Screening Building															
	C02710	027 - Inbound VCP private Car Kiosks & Inbound Staff Subway															
	C02810	028 - Inbound GV Kiosks & Inbound Staff subway															
	C02910	029 - Outbound GV Kiosks & Outbound Staff subway															
	C03010	030 - Outbound VCP Private Kiosk & Outbound Staff Subway															
	C03190	031 - Outbound IMMD and DOH Secondary Screen Building															
	C03380	033 - Inbound Private Car Exam Building															
	C03460	034 - Satellite RCP South															
	C03580	035 - Sewage Pumping Station															
	C03660	036 - Weigh Station															
	C03780	037 C&ED Tower & Inbound Cargo Examination Building															
	C03850	038 - AFCD Office															
Actual Work Remaining Work Critical Milestone				3MRP, AS OF 28 FEBRUARY 2018						Date		Revision		Checked		Approved	
				VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES						31-Jan-18		3MRP, updated as of 31 Jan. 2018		ZJ			
				Page 2 of 3						28-Feb-18		3MRP, updated as of 28 Feb. 2018		ZJ			

HZMB HK Boundary Crossing Facilities - Vehicle Clearance Plazas and Ancillary Buildings and Facilities										01-Mar-18			
Activity ID		Activity Name		2018									
				Feb		Mar		Apr		May			
C03990	039 - Police Main Building												
D04070	040 - Incident Control Tower												
D04180	041 Fire Station & Ambulance Depot												
D04240	042 - Drill Tower												
D04320	043 - DOH Office + Store Room												
D04670	046 - Refuse Collection Point												
D04750	047 - Fresh Water Pumping Station												
D04850	048 - Reclaimed Water Pumping Station												
D04972	049 - Sewerage Treatment Plant												
D05170	051 - Transformers (Zone 5)												
D05240	052 - Tranforms (Zone 4)												
D05470	054 - Inbound Fixed X-ray												
D05770	057 - Transformers (Zone 2)												
D06070	060 - Single Storey Support Buildingm												
D06160	061 - Telecom Building												
D10060	100 - Inbound Traffic Control Kiosk												
D10150	101 - Outbound Traffic Control Kiosk												
D10250	102 - HKPF UVSS Monior Room												
D10350	103 - Police Inspection Post, Portion B												
D10400	104 - DOH Secondary Screening Station, Portion C												
D10425	104 - DOH Screening Station, Portion M												
D10435	104 - DOH Screening Station, Portion N												
D10560	105 - IMMD Guard Booth, Portion A1												
D10565	105 - IMMD Guard Booth, Portion P												
D10680	106 - C&ED Detention Area Guard Booth												
D10784	107 - C&ED Mobile Operation Office, Portion B												
D10786	107 - C&ED Mobile X-ray Operation Office, Portion N												
D10840	108 - C&ED Mobile X-ray Machine Operation Office, Portion C												
D10890	108 - C&ED Mobile X-Ray Operation Office, portion M												
D11040	110 - IMMD Guard Booth, Portion C-East												
E11080	110 - IMMD Guard Booth, Portion C-West												
E11170	111 - Field Kiosk for Carpark Operator												
E11270	112 - Field Kiosk for Taxi Queuing Area												
F11320	113 - Field Kiosk for Access Control, Portion C												
F11324	113 - Field Kiosk for Access Control, Portion B												
F11360	114 - Field Kiosk for Access Control, Portion D												
T&C of Works													
D570	T&C of Building 035, 048 & 049												
Landscape Works													
R2620	Laying of Top Soil												
R2860	Completion of Landscape Works												

Contract No.: HY/2013/06		Detail Work Programme		Page 3 of 8	
Activity ID		Activity Name			
		Detailed Design Specification Contruction Design and Management Supply/Manufacture Mock-up items Supply/Manufacture prototypes Software Design, Coding and Testing Coding Software System Inetgration Prototype & Software Simulation Tests Procurement - Phase 1 / Section I Supply/Manufacture products for FAT Factory Acceptance Test (FAT) Supply/Manufacture Equipment Delivery and Bench Acceptance Test for Phase 1/ Section I Installation - Phase 1 / Section I Location 1(PCB (001) Basement) EM1920 L1(001)B/F - Cable Laying and termination at Location 1 and Location 2 Location 1(PCB (001) ELV Room (Grid Line E3)) EM1940 L1(001)ELV Rm - Cable Laying and termination at Location 1 and Location 2 Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) EM1960 L2(001)ELV Rm - Cable Laying and termination at Location 1 and Location 2 Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) EM1080 L2(001)Heath Ctrl Rm - Cable Laying and termination at Location 1 and Location 2 EM1100 L2(001)Heath Ctrl Rm - Cable Splicing and Testing and Labeling EM1120 L2(001)Health Ctrl Rm - Intercom and PA system Installation EM1140 L2(001)Heath Ctrl Rm - Intercom and PA system tuning Location 2(PCB (001) First Floor Main Server Room) EM1000 L2(001>Main Server Rm - Cable Laying and termination at Location 1 and Location 2 EM1020 L2(001>Main Server Rm - Cable Splicing and Testing and Labeling EM1040 L2(001>Main Server Rm - AVCSS Network and Server Installation EM1060 L2(001>Main Server Rm - AVCSS Network and Server Tuning Location 3(Inbd Cargo Exam Bldg (037) MDF Room) Location 3(Inbd Cargo Exam Bldg (037) ELV Room) Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,141 EM2020 L3(037)Inspec Offices - Cable Laying and termination in Location 3 and Location 3a EM2040 L3(037)Inspec Offices - Cable Splicing and Testing and Labeling EM2060 L3(037)Inspec Offices - AVCSS SURCON WS and 55" LCD Installation EM2080 L3(037)Inspec Offices - VTS WS Installation EM2100 L3(037)Inspec Offices - SURCON and WS Tuning Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room) EM1160 L3(037)PLF Ctrl Rm - Cable Laying and termination in Location 3 and Location 3a EM1180 L3(037)PLF Ctrl Rm - Cable Splicing and Testing and Labeling EM1200 L3(037)PLF Ctrl Rm - AVCSS SYSCON WS and 55" TV Wall Installation EM1220 L3(037)PLF Ctrl Rm - AVCSS SYSCON WS Tuning			
Programme No.: HZMB-DWP Data Date: 14-Aug-15		Actual Level of Effort Primary Baseline Actual Work Remaining Work Critical Remaining Work Baseline Milestone Milestone		Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)	
				Date Revision Checked Approved	

Contract No.: HY/2013/06		Detail Work Programme										Page 4 of 8											
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	Q3				
	 Location 3a(Inbnd Cargo Exam Bldg (037) ROCARS Room)		 07-Aug-17, Location 3a(Inbnd Cargo Exam Bldg (037) ROCARS Room)																				
	 EM1240	L3a(037) ROCARS Rm - Cable Laying and termination in Location 3 and Location 3a	 L3a(037) ROCARS Rm - Cable Laying and termination in Location 3 and Location 3a																				
	 EM1260	L3a(037) ROCARS Rm - Cable Splicing and Testing and Labeling	 L3a(037) ROCARS Rm - Cable Splicing and Testing and Labeling																				
	 EM1280	L3a(037) ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation	 L3a(037) ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation																				
	 EM1300	L3a(037) ROCARS Rm - VTS WS Installation	 L3a(037) ROCARS Rm - VTS WS Installation																				
	 EM1320	L3a(037) ROCARS Rm - VID WS Installation	 L3a(037) ROCARS Rm - VID WS Installation																				
	 EM1340	L3a(037) ROCARS Rm - SURCON and SYSCON and WS Tuning	 L3a(037) ROCARS Rm - SURCON and SYSCON and WS Tuning																				
	 Location 3a(Inbnd Cargo Exam Bldg (037) Main Server Room)		 07-Aug-17, Location 3a(Inbnd Cargo Exam Bldg (037) Main Server Room)																				
	 EM2120	L3a(037)Main Server Rm - Cable Laying and termination in Location 3 and Location 3a	 L3a(037)Main Server Rm - Cable Laying and termination in Location 3 and Location 3a																				
	 EM2140	L3a(037)Main Server Rm - Cable Splicing and Testing and Labeling	 L3a(037)Main Server Rm - Cable Splicing and Testing and Labeling																				
	 EM2160	L3a(037)Main Server Rm - AVCSS Server Installation	 L3a(037)Main Server Rm - AVCSS Server Installation																				
	 EM2180	L3a(037)Main Server Rm - VTS Server Installation	 L3a(037)Main Server Rm - VTS Server Installation																				
	 EM2200	L3a(037)Main Server Rm - Servers Tuning	 L3a(037)Main Server Rm - Servers Tuning																				
	 Location 4(Outbd Cargo Exam Bldg (023) MDF Room)																						
	 Location 4a(Outbd Cargo Exam Bldg (023) ROCARS Room)		 04-Aug-17, Location 4a(Outbd Cargo Exam Bldg (023) ROCARS Room)																				
	 EM2240	L4a(023)ROCARS Rm - Cable Splicing and Testing and Labeling	 L4a(023)ROCARS Rm - Cable Splicing and Testing and Labeling																				
	 EM2260	L4a(023)ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation	 L4a(023)ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation																				
	 EM2280	L4a(023)ROCARS Rm - VTS WS Installation	 L4a(023)ROCARS Rm - VTS WS Installation																				
	 EM2300	L4a(023)ROCARS Rm - SYSCON and SURCON and WS Tuning	 L4a(023)ROCARS Rm - SYSCON and SURCON and WS Tuning																				
	 Location 5(Common Utility Enclosure & Staff Subway)		 01-Sep-17, Location 5(Common Utility Enclosure & Staff Subway)																				
	 EM2341	L5(CUE) - Cable Laying between Location 5 and Location 6	 L5(CUE) - Cable Laying between Location 5 and Location 6																				
	 EM2361	L5(CUE) - Cable Laying between Location 5 and Location 7	 L5(CUE) - Cable Laying between Location 5 and Location 7																				
	 EM2380	L5(CUE) - Cable Splicing and Testing and Labeling	 L5(CUE) - Cable Splicing and Testing and Labeling																				
	 Location 6(Common Utility Enclosure & Staff Subway)		 26-Aug-17, Location 6(Common Utility Enclosure & Staff Subway)																				
	 EM2400	L6(CUE) - Cable Laying between Location 5 and Location 6	 L6(CUE) - Cable Laying between Location 5 and Location 6																				
	 EM2420	L6(CUE) - Cable Splicing and Testing and Labeling	 L6(CUE) - Cable Splicing and Testing and Labeling																				
	 Location 7(Common Utility Enclosure & Staff Subway)		 01-Sep-17, Location 7(Common Utility Enclosure & Staff Subway)																				
	 EM2440	L7(CUE) - Cable Laying between Location 5 and Location 7	 L7(CUE) - Cable Laying between Location 5 and Location 7																				
	 EM2460	L7(CUE) - Cable Splicing and Testing and Labeling	 L7(CUE) - Cable Splicing and Testing and Labeling																				
	 Location 12(Inbnd Private Car Kiosks,GV Kiosks (027,028,029))		 30-Aug-17, Location 12(Inbnd Private Car Kiosks,GV Kiosks(027,028,029))																				
	 Inbnd Private Car Kiosks(027) - 9 nos (Phase 1)		 24-Aug-17, Inbnd Private Car Kiosks(027) - 9 nos (Phase 1)																				
	 EM1500	L12(027)(9nos P1) - Cable Splicing and Testing and Labeling	 L12(027)(9nos P1) - Cable Splicing and Testing and Labeling																				
	 EM1520	L12(027)(9nos P1) - AVCSS/MOM Kiosk Equipment Installation (9 nos)	 L12(027)(9nos P1) - AVCSS/MOM Kiosk Equipment Installation (9 nos)																				
	 EM1541	L12(027)(9nos P1) - XDB installation (18 nos)	 L12(027)(9nos P1) - XDB installation (18 nos)																				
 EM1542	L12(027)(9nos P1) - ODB installation (5 nos)	 L12(027)(9nos P1) - ODB installation (5 nos)																					
 EM1543	L12(027)(9nos P1) - ODB installation (2 nos)	 L12(027)(9nos P1) - ODB installation (2 nos)																					
 EM1544	L12(027)(9nos P1) - ODB installation (2 nos)	 L12(027)(9nos P1) - ODB installation (2 nos)																					
 EM1560	L12(027)(9nos P1) - Loop installation (45 nos)	 L12(027)(9nos P1) - Loop installation (45 nos)																					
 Inbnd Goods Vehicle Kiosks(028) - 5 nos (Phase 1)		 30-Aug-17, Inbnd Goods Vehicle Kiosks(028) - 5 nos (Phase 1)																					
 EM1620	L12(028)(5nos P1) - Cable Laying and termination	 L12(028)(5nos P1) - Cable Laying and termination																					
 EM1640	L12(028)(5nos P1) - Cable Splicing and Testing and Labeling	 L12(028)(5nos P1) - Cable Splicing and Testing and Labeling																					
 EM1660	L12(028)(5nos P1) - AVCSS/MOM Kiosk Equipment Installation (5 nos)	 L12(028)(5nos P1) - AVCSS/MOM Kiosk Equipment Installation (5 nos)																					
 EM1681	L12(028)(5nos P1) - XDB installation (10 nos)	 L12(028)(5nos P1) - XDB installation (10 nos)																					
 EM1682	L12(028)(5nos P1) - ODB installation (3 nos)	 L12(028)(5nos P1) - ODB installation (3 nos)																					
 EM1683	L12(028)(5nos P1) - ODB installation (2 nos)	 L12(028)(5nos P1) - ODB installation (2 nos)																					
Programme No.: HZMB-DWP Data Date: 14-Aug-15		 Actual Level of Effort  Primary Baseline  Actual Work  Remaining Work  Critical Remaining Work  Baseline Milestone  Milestone		 summary		Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)				Date 14-Nov-16 10-Mar-17 5-May-17		Revision Rev.: 0 Rev.: 1.0a Rev.: 1.0b		Checked WC WC WC		Approved LC LC LC							

Contract No.: HY/2013/06			Detail Work Programme										Page 5 of 8																			
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	Q3
		EM1700	L12(028)(5nos P1) - AIOP Installation (5 nos)																													
		EM1720	L12(028)(5nos P1) - Loop installation (25 nos)																													
		Outbd Goods Vehicle Kiosks(029) - 5 nos (Phase 1)																														
		EM1740	L12(029)(5nos P1) - Cable Containment in Kiosks																													
		EM1760	L12(029)(5nos P1) - Cable Laying and termination																													
		EM1780	L12(029)(5nos P1) - Cable Splicing and Testing and Labeling																													
		EM1800	L12(029)(5nos P1) - AVCSS/MOM Kiosk Equipment Installation (5 nos)																													
		EM1821	L12(029)(5nos P1) - XDB installation (5 nos)																													
		EM1822	L12(029)(5nos P1) - ODB installation (4 nos)																													
		EM1823	L12(029)(5nos P1) - ODB installation (1 nos)																													
		EM1840	L12(029)(5nos P1) - AIOP Installation (5 nos)																													
		Location 13(Outbd Private Car Kiosks (030)) - 9 nos (Phase 1)																														
		EM2520	L13(030)(9nos P1) - Cable Containment in Kiosks																													
		EM2540	L13(030)(9nos P1) - Cable Laying and termination																													
		EM2560	L13(030)(9nos P1) - Cable Splicing and Testing and Labeling																													
		EM2580	L13(030)(9nos P1) - AVCSS/MOM Kiosk Equipment Installation (9 nos)																													
		EM2601	L13(030)(9nos P1) - XDB installation (9 nos)																													
		EM2602	L13(030)(9nos P1) - ODB installation (7 nos)																													
		Location 14(Future-Outbd/Inbd Private Car Kiosks) - 6+6 nos																														
		EM1440	L14 - Cable Laying and termination at ELV Room in CUE																													
		Location 15(Inbd Traffic Control Kiosk (100))																														
		Location 16(Outbd Traffic Control Kiosk (101))																														
		EM2760	L16(101) - Cable Laying and termination																													
		EM2780	L16(101) - Cable Splicing and Testing and Labeling																													
		EM2800	L16(101) - AVCSS SYSCON and SURCON Installation																													
		EM2820	L16(101) - VTS WS and 55" LCD Installation																													
		Location 17(Inbd Private Car Exam Bldg(033) Operational Office)																														
		Location 18 (Outbd Private Car Exam Bldg(024) Operational Office)																														
		EM2940	L18(024) - Cable Laying and termination																													
		EM2960	L18(024) - Cable Splicing and Testing and Labeling																													
		EM2980	L18(024) - AVCSS SURCON and 55" LCD Installation																													
		EM3000	L18(024) - SURCON Tuning																													
		Location 19 (DOH Cargo Clearance Bldg(043))																														
		EM1360	L19(043) - Cable Laying and termination																													
		EM1380	L19(043) - Cable Splicing and Testing and Labeling																													
		EM1400	L19(043) - PA and Intercom Installation																													
		EM1420	L19(043) - PA and Intercom Tuning																													
		Inbd Vehicle Clearance Plaza - 8 nos VID, 7 nos VTS, 4 nos TLS																														
		EM3020	Inbound VID cabling from pillar box to VID field equipment																													
		EM3040	Inbound VTS cabling from pillar box to VTS field equipment																													
		EM3060	Inbound TLS cabling from pillar box to TLS field equipment																													
		EM3080	Inbound VID field equipment installation (8 VID)																													
		EM3100	Inbound VTS field equipment installation (4 RFID + 3 Cameras)																													
		EM3120	Inbound TLS field equipment installation (4 TLS)																													
		EM3140	Inbound VID and VTS and TLS field equipment tuning																													
Programme No.: HZMB-DWP Data Date: 14-Aug-15		Actual Level of Effort summary Primary Baseline Actual Work Remaining Work Critical Remaining Work Baseline Milestone Milestone										Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)										Date		Revision		Checked		Approved				
												14-Nov-16		Rev.: 0		WC		LC														
												10-Mar-17		Rev.: 1.0a		WC		LC														
												5-May-17		Rev.: 1.0b		WC		LC														

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Activity ID		Activity Name													2015			2016				2017				2018				2019			
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
		 Outbd Vehicle Clearance Plaza - 8 nos VID, 6 nos VTS, 4 nos TLS																															
		 EM3160 Outbound VID cabling from pillar box to VID field equipment																															
		 EM3180 Outbound VTS cabling from pillar box to VTS field equipment																															
		 EM3200 Outbound TLS cabling from pillar box to TLS field equipment																															
		 EM3220 Outbound VID field equipment installation (8 VID)																															
		 EM3240 Outbound VTS field equipment installation (3 RFID + 3 Cameras)																															
		 EM3260 Outbound TLS field equipment installation (4 TLS)																															
		 EM3280 Outbound VID and VTS and TLS field equipment tuning																															
		 Underground Ducting (UUD1.1) between CUE and Inbd Cargo Exam Bldg (037)																															
		 UD1000 (UUD1.1 [CUE-037]) - Cable laying and termination																															
		 (UUD1.2) between Inbd Cargo Exam Bldg South (037[S]) and DOH Cargo Clearance Bldg (037)																															
		 UD1060 (UUD1.2 [037[S]-043]) - Cable laying and termination																															
		 Underground Ducting (UUD6) between CUE and Shuttle Bus Kiosk (006) and Inbd Private Car Exam Bldg (033)																															
		 (UUD9.1) btw IB Cargo Exam Bldg South(037[S]) & IB PC Exam Bldg(033) & IB Traffic Control Bldg (023)																															
		 UD1040 (UUD9.1 [037[S]-033-100]) - Cable laying and termination																															
		 (UUD2) between Inbd Cargo Exam Bldg North (037[N]) to Inbd VCP																															
		 UD1010 (UUD2 [037[N]-IB VCP]) - Cable laying and termination																															
		 (UUD9.3) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance Plaza																															
		 UD1070 (UUD9.3 [033-IB VCP[W]]) - Cable laying and termination																															
		 (UUD9.2) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance Plaza																															
		 UD1020 (UUD9.2 [033-IB VCP[E]]) - Cable laying and termination																															
		 Underground Ducting (UUD7) between PCB(001) and Inbd Coach Kiosks(010)																															
		 Underground Ducting (UUD3.1) between CUE and Outbd Cargo Exam Bldg (023)																															
		 UD1030 (UUD3.1 [CUE-023]) - Cable laying and termination																															
		 (UUD3.2) btw OB Car Exam Bldg(023) & OB PC Exam Bldg(024) & OB Traffic Control Bldg (023)																															
		 UD1050 (UUD3.2 [023-024-101]) - Cable laying and termination																															
		 Underground Ducting (UUD8) between CUE and Outbd PCA (032)																															
		 UD1100 (UUD8 [CUE-032]) - Cable laying and termination																															
		 (UUD4.1) between Outbd PC Exam Bldg (024) and Outbd Vehicle Clearance Plaza																															
		 UD1080 (UUD4.1 [024-OB VCP]) - Cable laying and termination																															
		 (UUD5) between Outbd Car Exam Bldg (023[S]) and Outbd Vehicle Clearance Plaza																															
		 UD1090 (UUD5 [023[S]-OB VCP]) - Cable laying and termination																															
		 Initial On-Site Test and Commissioning / Pre-SAT (Phase 1 / Section I)																															
		 Site Acceptance Test (Phase 1 / Section I)																															
		 Security Risk Assessment and Audit																															
		 Operability Period Test (Phase 1 / Section I)																															
		 Completion (Phase 1 /Section I)																															
		 Training and Document (Phase 1 /Section I)																															
		 Operation (Phase 1 /Section I)																															
		 Engineering Support for Phase 1 / Section I																															
		 Procurement - Phase 2 / Section II																															
		 Delivery and Bench Acceptance Test for Phase 2/Section II																															
		 Installation - Phase 2 / Section II																															

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Activity ID		Activity Name											2015				2016				2017				2018				2019					
													Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3				
	Location 8(Inbd Private Car Annex (025)) (Phase 2)																							30-Aug-17; Location 8(Inbd Private Car Annex (025)) (Phase 2)										
	EM3370	L8(025) - Cable Containment in Kiosks																						L8(025) - Cable Containment in Kiosks										
	EM3380	L8(025) - Cable Laying and termination																						L8(025) - Cable Laying and termination										
	EM3400	L8(025) - Cable Splicing and Testing and Labeling																						L8(025) - Cable Splicing and Testing and Labeling										
	Location 9(Outbd Private Car Annex (032)) (Phase 2)																							30-Aug-17; Location 9(Outbd Private Car Annex (032)) (Phase 2)										
	EM3500	L9(032) - Cable Containment in Kiosks																						L9(032) - Cable Containment in Kiosks										
	EM3520	L9(032) - Cable Laying and termination																						L9(032) - Cable Laying and termination										
	Initial On-Site Test and Commissioning / Pre-SAT (Phase 2 / Section II)																																	
	Site Acceptance Test (Phase 2 / Section II)																																	
	Operability Period Test (Phase 2 / Section II)																																	
	Completion (Phase 2 / Section II)																																	
	Engineering Support for Phase 2 / Section II																																	
	Procurement for Phase2 / Section III																																	
	Delivery and Bench Acceptance Test for Phase2 / Section III																																	
	Installation - Phase 2 / Section III																							09-Oct-17; Installation - Phase 2/ Section III										
	Location 10,11,12,13 (Vehicle Clearance Kiosks)																							09-Oct-17; Location 10,11,12,13 (Vehicle Clearance Kiosks)										
	Location 12 Inbd Private Car Kiosks (027) - 12 nos (Phase 2)																							09-Oct-17; Location 12 Inbd Private Car Kiosks										
	EM4440	L12(027)(12nos P2) - Cable Laying and termination																						L12(027)(12nos P2) - Cable Laying and termination										
	EM4460	L12(027)(12nos P2) - Cable Splicing and Testing and Labeling																						L12(027)(12nos P2) - Cable Splicing and Testing and Labeling										
	EM4480	L12(027)(12nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)																						L12(027)(12nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)										
	Location 13 Outbd Private Car Kiosks (030) - 12 nos (Phase 2)																							01-Sep-17; Location 13 Outbd Private Car Kiosks										
	EM4560	L13(030)(12nos P2) - Cable Containment in Kiosks																						L13(030)(12nos P2) - Cable Containment in Kiosks										
	Location 12 Outbd Goods Vehicle Kiosks (029) - 3 nos (Phase 2)																							31-Aug-17; Location 12 Outbd Goods Vehicle Kiosks										
	EM4880	L12(029)(3nos P2) - Cable Laying and termination																						L12(029)(3nos P2) - Cable Laying and termination										
	EM4900	L12(029)(3nos P2) - Cable Splicing and Testing and Labeling																						L12(029)(3nos P2) - Cable Splicing and Testing and Labeling										
	EM4920	L12(029)(3nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)																						L12(029)(3nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)										
	EM4940	L12(029)(3nos P2) - ODB & XDB Installation (3 nos)																						L12(029)(3nos P2) - ODB & XDB Installation (3 nos)										
	EM4960	L12(029)(3nos P2) - AIOP Installation (3 nos)																						L12(029)(3nos P2) - AIOP Installation (3 nos)										
	EM4980	L12(029)(3nos P2) - Loop Installation (15 nos)																						L12(029)(3nos P2) - Loop Installation (15 nos)										
	Location 11 Outbd Coach Kiosks (009) - 4 nos (Phase 2)																																	
	Location 12 Inbd Goods Vehicle Kiosks (028) - 3 nos (Phase 2)																							24-Aug-17; Location 12 Inbd Goods Vehicle Kiosks										
	EM4720	L12(028)(3nos P2) - Cable Laying and termination																						L12(028)(3nos P2) - Cable Laying and termination										
	EM4740	L12(028)(3nos P2) - Cable Splicing and Testing and Labeling																						L12(028)(3nos P2) - Cable Splicing and Testing and Labeling										
	EM4760	L12(028)(3nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)																						L12(028)(3nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)										
	EM4780	L12(028)(3nos P2) - ODB & XDB Installation (3 nos)																						L12(028)(3nos P2) - ODB & XDB Installation (3 nos)										
	EM4800	L12(028)(3nos P2) - AIOP Installation (3 nos)																						L12(028)(3nos P2) - AIOP Installation (3 nos)										
EM4820	L12(028)(3nos P2) - Loop Installation (15 nos)																						L12(028)(3nos P2) - Loop Installation (15 nos)											
EM4840	L12(028)(3nos P2) - Kiosk Equipment Configuration (3 nos)																						L12(028)(3nos P2) - Kiosk Equipment Configuration (3 nos)											
EM5120	L12(028)(3nos P2) - Inbd Goods Vehicle Kiosks Installation Complete																						L12(028)(3nos P2) - Inbd Goods Vehicle Kiosks Installation Complete											
Location 10 Shuttle Bus Kiosks (006) - 4 nos (Phase 2)																							30-Aug-17; Location 10 Shuttle Bus Kiosks (006) - 4 nos (Phase 2)											
EM4000	L10(006)(4nos P2) - Cable Containment in Kiosks																						L10(006)(4nos P2) - Cable Containment in Kiosks											
Location 11 Inbd Coach Kiosks (010) - 2 nos (Phase 2)-1																																		
Location 11 Inbd Coach Kiosks (010) - 2 nos (Phase 2)-2																																		
Initial On-Site Test and Commissioning / Pre-SAT (Phase 2 / Section III)																																		

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14-Nov-16								Rev.: 0		WC		LC			
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5-May-17								Rev.: 1.0b		WC		LC			

