

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 text is centered between two thick, horizontal black bars.

Report No.: 0165/15/ED/1101

Appendix C

Construction Programme

Activity ID	Activity Name	2018			
		May	Jun	Jul	Aug
HKBCF - VCP & Ancillary Buildings and Facilities, DWP5					
Belated Variations to Buildings					
General					
R3210	049 - SS Catladder/handrail				
R3230	039 - Detention Room				
R3240	037 - Lead in Pipe				
R3250	037 - Sanitary Fitting				
R3260	037/041/043/046/047 Relocation of Water Tanks				
R3280	Floor Drainage at Pump Room & Meter Room				
R3300	Door Schedules and Master Key				
R3310	Ancillary Building Planters (012, 034, 035, 043, 046, 047, 048, 049, 060)				
R3430	040, 042 Aviation Obstacle Lights				
R3450	FRP Panel Above Water Tanks for FSI				
R3460	SS Case in Water Stand Green Roof				
R3470	039 Detention Room Revision				
R3480	041 HVAC Revision (VO184)				
R3500	048 SS Chequer Plate				
R3520	053, 054, 100, 101 CCTV & Door Force Opening				
R3550	Buildings 039/047/048/060/114, Ventilation and Lighting for WSD				
R3560	Buildings 040 Gap Filling at Staircase				
R3570	Buildings 041 FSD Crest and Name Plate				
Modification to Other Kiosks of 027, 028, 029 & 030 (6+6)					
K670	Open up baffle ceiling and raised floor for C6 and Re-instatement after				
K680	Installation of AVCSS for C&ED				
K690	Instatement of EDU and Intercom for DH				
Belated Variations to Other Works					
General					
R3380	Revised Attenuation Ponds Drainage & Outflow Outlet				
R3390	Irrigation Pump Room and Turf Cell				
R560	Radiation Detection Provisions for EMSD				
R570	Modification and Reinstatement of Drawpit Cover and Road Pavement				
T&C of Works					
D550	T&C for E&M Works (Lighting/Signs), Water Mains/Flush & UU Cable (Late				
D560	T&C of ELV systems in Location 1.7A/B/C, 1.8 and in C2, C3 & C4 site dela				
R1120	T&C for exeternal works (Drainage/Sewerage & Road Furnish)				
R3330	Late Access to Location 1.8 delayed by C1 Contractor				
R3340	Late Access to Location 1.7A, 1.7B & 1.7C delayed by C8 Contractor				
Landscape Works					
R2620	Laying of Top Soil				
R2860	Completion of Landscape Works				
R3350	Double Handling of Soil Material for Public Fill Mixing and Top Soil				
R3360	Attenuation Pond and Drainage				
R3370	Landscape Works at Rock Slope of South of Nouth PTI				
R3410	Landscape at P9, J22				
R3420	Irrigation Water Point for Water Wagon				

█ Actual Work ◆ Milestone
█ Remaining Work
█ Critical

3MRP, AS OF 31 May 2018
VEHICLE CLEARANCE PLAZAS AND ANCILLARY BUILDINGS AND FACILITIES
 Page 1 of 1

Date	Revision	Checked	Approved
31-Mar-18	3MRP, updated as of 31 Mar. 2018	ZJ	
30-Apr-18	3MRP, updated as of 31 Apr. 2018	ZJ	
31-May-18	3MRP, updated as of 31 May 2018	ZJ	

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
Hong Kong-Zhuhai_Macao Bridge Hong Kong Boundary Crossing F		<p>22-Oct-17, Hong Kong-Zhuhai_Macao Bridge</p> <p>23-Jun-17, Site and Facility Inspection:</p> <p>24-Aug-17, Access Dates</p>																	
Key Dates																			
Interface Activities																			
Site and Facility Inspection																			
JS1200	Pre Site and Facility Inspection by Contractor at Location 4 - Deg2																		
JS1210	Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg2																		
JS1620	Pre Site and Facility Inspection by Contractor at Location 14 - Deg2																		
JS1630	Joint Site and Facility Inspection with Interface Contractor at Location 14 - Deg2																		
JS1760	Pre Site and Facility Inspection by Contractor at Location 18 - Deg1																		
JS1770	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg1																		
JS1780	Pre Site and Facility Inspection by Contractor at Location 18 - Deg2																		
JS1790	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg2																		
Access Dates																			
AD1000	Location 1(PCB (001) Basement)-Deg1 (270d)																		
AD1010	Location 1(PCB (001) Basement)-Deg2 (380d)																		
AD1020	Location 1(PCB (001) ELV Room (Grid Line E3))-Deg1 (270d)																		
AD1030	Location 1(PCB (001) ELV Room (Grid Line E3))-Deg2 (380d)																		
AD1040	Location 2(PCB (001) First Floor Main Server Room)-Deg1 (330d)																		
AD1050	Location 2(PCB (001) First Floor Main Server Room)-Deg2 (380d)																		
AD1060	Location 2(PCB (001) First Floor Main Server Room) - For Server Installation - Deg2 (380d)																		
AD1070	Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) - Deg1 (330d)																		
AD1080	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg1 (330d)																		
AD1090	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg2 (380d)																		
AD1130	Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg2 (500d)																		
AD1150	Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,14)																		
AD1170	Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room)-Deg2 (480d)																		
AD1190	Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room)-Deg2 (480d)																		
AD1200	Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room) - For Server installation - Deg2 (480d)																		
AD1220	Location 4(Outbd Cargo Exam Bldg (023))-Deg2 (680d)																		
AD1240	Location 4a(Outbd Cargo Exam Bldg (023))-Deg2 (630d)																		
AD1270	Location 6(Common Utility Enclosure & Staff Subway)-Deg1 (400d)																		
AD1290	Location 7(Common Utility Enclosure & Staff Subway)-Deg1 (270d)																		
AD1300	Location 8(Inbd Private Car Annex (025))-Deg1 (430d)																		
AD1310	Location 8(Inbd Private Car Annex (025))-Deg2 (580d)																		
AD1320	Location 8(Inbd Private Car Annex (025) Canopy)-Deg1 (430d)																		
AD1330	Location 8(Inbd Private Car Annex (025) Canopy)-Deg2 (580d)																		
AD1340	Location 9(Outbd Private Car Annex (032))-Deg1 (520d)																		
AD1350	Location 9(Outbd Private Car Annex (032))-Deg2 (660d)																		
AD1360	Location 9(Outbd Private Car Annex (032) Canopy)-Deg1 (520d)																		
AD1370	Location 9(Outbd Private Car Annex (032) Canopy)-Deg2 (660d)																		
AD1501	Location 12(Inbd Private Car Kiosks(027))-Deg1 (400d) Phase 2																		
AD1510	Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d) Phase 1																		
AD1511	Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d) Phase 2																		
AD1521	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg1 (400d) Phase 2																		

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	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

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
AD1530	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d) Phase 1																		
AD1531	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d) Phase 2																		
AD1540	Location 12(Inbd GV Kiosks (028))-Deg1 (400d) Phase 1																		
AD1541	Location 12(Inbd GV Kiosks (028))-Deg1 (400d) Phase 2																		
AD1550	Location 12(Inbd GV Kiosks (028))-Deg2 (480d) Phase 1																		
AD1551	Location 12(Inbd GV Kiosks (028))-Deg2 (480d) Phase 2																		
AD1560	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d) Phase 1																		
AD1561	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d) Phase 2																		
AD1570	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d) Phase 1																		
AD1571	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d) Phase 2																		
AD1580	Location 12(Outbd GV Kiosks (029))-Deg1 (400d) Phase 1																		
AD1581	Location 12(Outbd GV Kiosks (029))-Deg1 (400d) Phase 2																		
AD1590	Location 12(Outbd GV Kiosks (029))-Deg2 (480d) Phase 1																		
AD1591	Location 12(Outbd GV Kiosks (029))-Deg2 (480d) Phase 2																		
AD1600	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d) Phase 1																		
AD1601	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d) Phase 2																		
AD1610	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d) Phase 1																		
AD1611	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d) Phase 2																		
AD1620	Location 13(Outbd Private Car Kiosks (030))-Deg1 (480d) Phase 1																		
AD1630	Location 13(Outbd Private Car Kiosks (030))-Deg2 (550d) Phase 1																		
AD1640	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg1 (480d) Phase 1																		
AD1650	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg2 (550d) Phase 1																		
AD1660	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg1 (610d)																		
AD1670	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg2 (680d)																		
AD1700	Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d)																		
AD1710	Location 16(Outbd Traffic Control Kiosk (101))-Deg2 (480d)																		
AD1740	Location 18(Outbd Private Car Exam Bldg(024))-Deg1 (-)																		
AD1750	Location 18(Outbd Private Car Exam Bldg(024))-Deg2 (670d)																		
AD1780	(by C03) Underground Ducting (UUD1.1) between CUE and Inbd Cargo Exam Bldg (0																		
AD1790	(by C03) (UUD1.2) between Inbd Cargo Exam Bldg South (037[S]) and DOH Cargo C																		
AD1800	(by C03) (UUD2) between Inbd Cargo Exam Bldg North (037[N]) and Inbd Vehicle Cle																		
AD1810	(by C03) (UUD9.1) btw Inbd Cargo Exam Bldg S.(037[S]) & Inbd PC Exam Bldg(033) &																		
AD1820	(by C03) (UUD9.3) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clear																		
AD1830	(by C03) (UUD9.2) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clear																		
AD1840	(by C03) Underground Ducting (UUD3.1) between CUE to Outbd Cargo Exam Bldg (0																		
AD1850	(by C03) (UUD3.2) btw Outbd Car Exam Bldg (023) and Outbd PC Exam Bldg (024) ai																		
AD1860	(byC03) (UUD4.1) between Outbd Private Car Exam Bldg (024) and Outbd Vehicle Cle																		
AD1870	(byC03) (UUD5) between Outbd Car Exam Bldg South (023[S]) and Outbd Vehicle Cle																		
AD1880	(by C03) Underground Ducting (UUD8) between CUE and Outbd PCA (032)																		
AD1910	(by C03) Inbound Vehicle Clearance Plaza																		
AD1920	(by C03) Outbound Vehicle Clearance Plaza																		
Interfaces Provisions Mobilization Provisions WA4 Site Erection & Servicing																			

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
			10-Mar-17	Rev.: 1.0a	WC	LC
			5-May-17	Rev.: 1.0b	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	Q3
<ul style="list-style-type: none"> ■ Detailed Design Specification ■ Contruction Design and Management ■ Supply/Manufacture Mock-up items ■ Supply/Manufacture prototypes ■ Software Design, Coding and Testing <ul style="list-style-type: none"> ■ 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 <ul style="list-style-type: none"> ■ Location 1(PCB (001) Basement) <ul style="list-style-type: none"> ■ EM1920 L1(001)B/F - Cable Laying and termination at Location 1 and Location 2 ■ Location 1(PCB (001) ELV Room (Grid Line E3)) <ul style="list-style-type: none"> ■ 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)) <ul style="list-style-type: none"> ■ 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)) <ul style="list-style-type: none"> ■ 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) <ul style="list-style-type: none"> ■ 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) <ul style="list-style-type: none"> ■ 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) <ul style="list-style-type: none"> ■ 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 		<p> ■ 01-Sep-17, Installation - Phase 1 / Section I ▼ 22-Jun-17, Location:1(PCB (001),Basement) ■ L1(001)B/F - Cable Laying and termination at Location ▼ 22-Jun-17, Location:1(PCB (001),ELV Room (Grid Line ■ L1(001)ELV Rm - Cable Laying and termination at Loca ▼ 22-Jun-17, Location:2(PCB (001),Ground Floor ELV R ■ L2(001)ELV Rm - Cable Laying and termination at Loca ▼ 18-Aug-17, Location:2(PCB (001),Ground Floor DO ■ L2(001)Heath Ctrl Rm - Cable Laying and termination ■ L2(001)Heath Ctrl Rm - Cable Splicing and Testing and ■ L2(001)Health Ctrl Rm - Intercom and PA system In ■ L2(001)Health Ctrl Rm - Intercom and PA system tu ▼ 21-Aug-17, Location:2(PCB (001) First Floor Main ■ L2(001)Main Server Rm - Cable Laying and terminatio ■ L2(001)Main Server Rm - Cable Splicing and Testing ■ L2(001)Main Server Rm - AVCSS Network and Ser ■ L2(001)Main Server Rm - AVCSS Network and Se ▼ 07-Aug-17, Location 3(Inbd Cargo Exam Bldg (037) ■ L3(037)Inspec Offices - Cable Laying and termination in ■ L3(037)Inspec Offices - Cable Splicing and Testing and ■ L3(037)Inspec Offices - AVCSS SURCON WS and 55 ■ L3(037)Inspec Offices - VTS WS Installation ■ L3(037)Inspec Offices - SURCON and WS Tuning ▼ 07-Aug-17, Location 3(Inbd Cargo Exam Bldg (037) ■ L3(037)PLF Ctrl Rm - Cable Laying and termination in ■ L3(037)PLF Ctrl Rm - Cable Splicing and Testing and ■ L3(037)PLF Ctrl Rm - AVCSS SYSCON WS and 55 ■ L3(037)PLF Ctrl Rm - AVCSS SYSCON WS Tuning </p>																		

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	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

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
- 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)




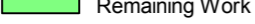
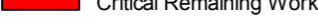


Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC
10-Mar-17	Rev.: 1.0a	WC	LC
5-May-17	Rev.: 1.0b	WC	LC

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		▼ 02-Aug-17, Outbd Vehicle Clearance Plaza - 8 nos V																	
EM3160	Outbound VID cabling from pillar box to VID field equipment	■ Outbound VID cabling from pillar box to VID field equipr																	
EM3180	Outbound VTS cabling from pillar box to VTS field equipment	■ Outbound VTS cabling from pillar box to VTS field equi																	
EM3200	Outbound TLS cabling from pillar box to TLS field equipment	■ Outbound TLS cabling from pillar box to TLS field equ																	
EM3220	Outbound VID field equipment installation (8 VID)	■ Outbound VID field equipment installation (8 VID)																	
EM3240	Outbound VTS field equipment installation (3 RFID + 3 Cameras)	■ Outbound VTS field equipment installation (3 RFID +																	
EM3260	Outbound TLS field equipment installation (4 TLS)	■ Outbound TLS field equipment installation (4 TLS)																	
EM3280	Outbound VID and VTS and TLS field equipment tuning	■ Outbound VID and VTS and TLS field equipment tun																	
Underground Ducting (UUD1.1) between CUE and Inbd Cargo Exam Bldg (037)		▼ 13-Jun-17, Underground Ducting (UUD1.1) between C																	
UD1000	(UUD1.1 [CUE-037]) - Cable laying and termination	■ (UUD1.1 [CUE-037]) - Cable laying and termination;																	
(UUD1.2) between Inbd Cargo Exam Bldg South (037[S]) and DOH Cargo Clearance Bldg (023)		▼ 27-Jun-17, (UUD1.2) between Inbd Cargo Exam Bldg																	
UD1060	(UUD1.2 [037[S]-043]) - Cable laying and termination	■ (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)		▼ 12-Jul-17, (UUD9.1) btw IB Cargo Exam Bldg South(
(UUD9.1) btw IB Cargo Exam Bldg South(037[S]) & IB PC Exam Bldg(033) & IB Traffic Control Bldg (023)		■ (UUD9.1 [037[S]-033-100]) - Cable laying and termina																	
UD1040	(UUD9.1 [037[S]-033-100]) - Cable laying and termination	▼ 26-Jul-17, (UUD2) between Inbd Cargo Exam Bldg I																	
(UUD2) between Inbd Cargo Exam Bldg North (037[N]) to Inbd VCP		■ (UUD2 [037[N]-IB VCP]) - Cable laying and terminat																	
UD1010	(UUD2 [037[N]-IB VCP]) - Cable laying and termination	▼ 09-Aug-17, (UUD9.3) between Inbd Private Car Ex																	
(UUD9.3) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance Plaza		■ (UUD9.3 [033-IB VCP[W]]) - Cable laying and termi																	
UD1070	(UUD9.3 [033-IB VCP[W]]) - Cable laying and termination	▼ 23-Aug-17, (UUD9.2) between Inbd Private Car E																	
(UUD9.2) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance Plaza		■ (UUD9.2 [033-IB VCP[E]]) - Cable laying and termi																	
UD1020	(UUD9.2 [033-IB VCP[E]]) - Cable laying and termination	▼ 14-Jun-17, Underground Ducting (UUD3.1) between C																	
Underground Ducting (UUD7) between PCB(001) and Inbd Coach Kiosks(010)		■ (UUD3.1 [CUE-023]) - Cable laying and termination;																	
Underground Ducting (UUD3.1) between CUE and Outbd Cargo Exam Bldg (023)		▼ 28-Jun-17, (UUD3.2) btw OB Car Exam Bldg(023) & C																	
UD1030	(UUD3.1 [CUE-023]) - Cable laying and termination	■ (UUD3.2 [023-024-101]) - Cable laying and termination																	
(UUD3.2) btw OB Car Exam Bldg(023) & OB PC Exam Bldg(024) & OB Traffic Control Bldg (023)		▼ 13-Jun-17, Underground Ducting (UUD8) between CU																	
UD1050	(UUD3.2 [023-024-101]) - Cable laying and termination	■ (UUD8 [CUE-032]) - Cable laying and termination																	
Underground Ducting (UUD8) between CUE and Outbd PCA (032)		▼ 13-Jul-17, (UUD4.1) between Outbd PC Exam Bldg(0																	
UD1100	(UUD8 [CUE-032]) - Cable laying and termination	■ (UUD4.1 [024-OB VCP]) - Cable laying and terminat																	
(UUD4.1) between Outbd PC Exam Bldg (024) and Outbd Vehicle Clearance Plaza		▼ 27-Jun-17, (UUD5) between Outbd Car Exam Bldg (02																	
UD1080	(UUD4.1 [024-OB VCP]) - Cable laying and termination	■ (UUD5 [023[S]-OB VCP]) - Cable laying and terminat																	
(UUD5) between Outbd Car Exam Bldg (023[S]) and Outbd Vehicle Clearance Plaza		▼ 30-Aug-17, Installation -Phase 2/ Section II																	
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																			

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
			10-Mar-17	Rev.: 1.0a	WC	LC
			5-May-17	Rev.: 1.0b	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	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) -																	
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)																			

Programme No.: HZMB-DWP
Data Date: 14-Aug-15

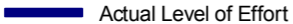






-  Actual Level of Effort
-  Primary Baseline
-  Actual Work
-  Remaining Work
-  Critical Remaining Work
-  Baseline Milestone
-  Milestone

Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing
Facilities - Automatic Vehicle
Clearance Support System (AVCSS)

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC
10-Mar-17	Rev.: 1.0a	WC	LC
5-May-17	Rev.: 1.0b	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	Q3
	Site Acceptance Test (Phase 2 / Section III)																		
	Operability Period Test (Phase 2 / Section III)																		
	Completion (Phase 2 / Section III)																		
	Operation (Phase 2 / Section III)																		
	Defect Liability Period (DLP)																		
	Document Submission (Phase 2 / Section III)																		

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