

Appendix A

Construction Programme

Activity ID	Activity Name	OD	RD	Start	Finish	TF	2016					2017	
								Oct	Nov	Dec		Jan	Feb
3-Month Rolling Programme 2016-10-21													
Key Dates (Contractual)													
KD-1300	KD10: Stage S4 - Completion of road widening of Fanling Highway within SBZ2 and allow access for HY/2012/06	0	0		01-Dec-16*	0				◆ KD10: Stage S4 - Completion of road widening of Fanling Highway within SBZ2 and allow access for HY/2012/06			
Dependent Milestones from Other Contracts													
MS-DM03	Completion and Removal of TTA at TWSRW near Ho Ka Yuen by FHW3 Contractor	0	0		07-Oct-16 A			◆ Completion and Removal of TTA at TWSRW near Ho Ka Yuen by FHW3 Contractor					
MS-DM04	Completion of NB70 by FHW3	0	0		01-Dec-16*	0				◆ Completion of NB70 by FHW3			
Related to North Buffer Zone													
MS-NBZ020	Shift existing FLHN NB 3 lanes eastward [TTA no.R-4]	0	0	12-Nov-16*		-13				◆ Shift existing FLHN NB 3 lanes eastward [TTA no.R-4]			
Related to South Buffer Zone													
MS-SBZ110	Shift existing FLHS SB Slow Lane to future FLH 1st Lane by FHW3 Contractor (TTA stage S10)	0	0	28-Nov-16*		0				◆ Shift existing FLHS SB Slow Lane to future FLH 1st Lane by FHW3 Contractor (TTA stage S10)			
Major Milestones and Events													
MS-1050	T5: TTA to shift partial FLHN NB eastward to existing SB connecting FHW3's TTA Scheme [TTA no.R-4]	1	1	12-Nov-16*	12-Nov-16	-13				T5: TTA to shift partial FLHN NB eastward to existing SB connecting FHW3's TTA Scheme [TTA no.R-4]			
MS-0120	Completion of 2 nos. of piers crash with existing FLH (by 1 set)	0	0		10-Dec-16	59				◆ Completion of 2 nos. of piers crash with existing FLH (by 1 set)			
Major Procurement & Delivery													
Footbridge Steel Truss													
MM-3000	Fabrication Delivery of Footbridge Steel Truss (incl. KT-FB-1-1, 2A & 2B), Fanling Highway Section	73	48	30-Aug-16 A	07-Dec-16	6							
MM-3010	Fabrication Delivery of Footbridge Steel Truss (incl. KT-AB4, KT-RP3 & KT-P5), Western Side	88	46	30-Aug-16 A	13-Dec-16	18							
MM-3020	Fabrication Delivery of Footbridge Steel Truss (incl. KT-P3, P4, KT-RP-1 & 2, KT-SC-1, KT-AB1 & AB2), Eastern Side	92	50	30-Aug-16 A	17-Dec-16	10							
MM-3030	On-Site Welding for Steel Truss KT-FB-1-2A & 2B	14	14	08-Dec-16	23-Dec-16	5							
Lift for New Kiu Tau Footbridge													
MM-4000	Procurement, Fabrication and delivery of Lift	120	120	07-Dec-16	12-May-17	94							
Design and Submissions													
Statutory Approval													
PRE-1410	Approval of Lift for BFA for new Kiu Tau Footbridge - HyD	60	40	27-Jul-16 A	06-Dec-16	94							
Design Confirmation													
PRE-1560	Confirmation of Noise Barrier Footing Design (NB67)	0	0		23-Sep-16 A					◆ Confirmation of Noise Barrier Footing Design (NB67)			
Method Statement and Design (Major) Approved by AECOM													
PRE-2030	Submission of E&M design for lighting of Kiu Tau Footbridge	60	30	05-Sep-16 A	24-Nov-16	53							
PRE-2040	Submission of E&M design for lighting inside viaduct structures of Bridge A, B, C & D	60	30	01-Apr-16 A	24-Nov-16	128							
Temporary Traffic Arrangement (TTA) Submission and Approval													
TTA for Demolition of Kiu Tau Vehicular Bridge													
PRE-6400	Approval and Implementation of TTA for Demolition of Vehicular Bridge	0	0		15-Oct-16 A					◆ Approval and Implementation of TTA for Demolition of Vehicular Bridge			
Section IA & IB - Fanling Highway Widening (KD-1 & KD-2)													
Fanling Highway South Portion between CH6935 and CH7470													
Fanling Highway Zone 1 between CH6935 and CH7130 (within SBZ2)													
At-Grade Roadworks (195m)													
FHW-1210	Noise Barrier NB68 - Pre-drilling and Mini-Piling at central median (Cap.18-25) (CSD: 26 nos)	80	0	21-May-16 A	04-Oct-16 A								

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								Oct	Nov	Dec	Jan	Feb
FHW-1220	Noise Barrier NB68 - Footing at central median (Bay 1 - 4, 77m)	63	63	21-Oct-16	05-Jan-17	0						
FHW-1130*	Pipe Laying - DN1200 Watermains (CHC) along Fanling Highway (80m long, 4m depth)	182	76	20-Feb-14 A	20-Jan-17	156						
FHW-1150	Noise Barrier NB70 - Footing adjacent to SB lane (30m)	70	70	02-Dec-16	03-Mar-17	37						
FHW-1230	Road Formation (Middle Part: FLH NB Fast lanes), except CH.6935 - CH.7035	50	50	06-Jan-17	11-Mar-17	0						
Fanling Highway Zone 2 between CH7130 and CH7290												
At-Grade Roadworks (160m)												
FHW-2220	Noise Barrier NB68A - Footing at central median (Bay 1 - 12, 141m)	70	58	27-Jul-16 A	29-Dec-16	0						
FHW-2360	Temporary Platform for Mini-Pile Installation Works within W SD Restriction Zone	40	40	16-Dec-16*	10-Feb-17*	1						
FHW-2230	Road Formation & Pavement and Central Barrier (Middle Part: FLH NB 4th lanes)	55	55	30-Dec-16	11-Mar-17	0						
Fanling Highway Zone 3 between CH7290 and CH7380												
Box Culvert Extension - ID4												
ID4-3090	Bay 1 - Remaining Base Slab (To be carried out after diversion of DN1400 water mains)	95	95	21-Nov-16*	21-Mar-17	87						
At-Grade Roadworks (130m)												
FHW-3210	Noise Barrier NB68A - Pre-drilling and Mini-Piling at central median (CSD: 20 nos)	50	6	21-May-16 A	27-Oct-16	22						
FHW-3220B	Noise Barrier NB68A - Footing at central median (Bay 14 - 18, 50m)	45	45	01-Nov-16	22-Dec-16	11						
FHW-3220A	Noise Barrier NB68A - Footing at central median (Bay 13, 30m)	73	58	11-Oct-16 A	29-Dec-16	0						
FHW-3230	Road Formation & Central Barrier (Middle Part: FLH NB 4th lanes)	55	55	30-Dec-16	11-Mar-17	0						
Fanling Highway North Portion between CH7470 and CH7925												
Fanling Highway Zone 4 between CH7380 and CH7470												
At-Grade Roadworks (90m)												
FHW-4210	Road Drainage, Road Formation & Pavement (FLH SB 3rd lanes)	33	33	14-Dec-16	24-Jan-17	3						
FHW-4220	Road Formation & Pavement, and Central Barrier (Middle Part: FLH NB 4th lanes)	55	55	30-Dec-16	11-Mar-17	0						
Fanling Highway Zone 5 between CH7470 and CH7600 (Provision of Kiu Tau Footbridge)												
Kiu Tau Footbridge Re-provision (East)												
FHW-5010C1	KT-P2 & P3 - Pile Cap	65	0	01-Aug-16 A	11-Oct-16 A							
FHW-5030	Erection of Temporary Support and Working Platform at Central Median for Steel Truss Installation	21	21	21-Oct-16*	14-Nov-16	39						
FHW-5010D2	KT-P4 - Pier Construction	40	23	03-Sep-16 A	16-Nov-16	11						
FHW-5010C2	KT-P2 & P3 - Pier Construction	28	28	21-Oct-16	22-Nov-16	6						
FHW-5010D3	KT-P4 - RC Deck & Bearing Installation	18	18	22-Nov-16	12-Dec-16	11						
FHW-5010C3	KT-P2 & P3 - RC Deck & Bearing Installation	18	18	28-Nov-16	17-Dec-16	6						
FHW-5010A1	KT-AB1 (North Portion) - Pile Cap, Abutment and Bearing Installation	65	51	01-Aug-16 A	19-Dec-16	5						
FHW-5010B	KT-AB2 - Pile Cap, Abutment and Bearing Installation	65	54	04-Aug-16 A	22-Dec-16	2						
FHW-5010A2	KT-AB1 (South Portion) - Pile Cap, Abutment and Bearing Installation	44	68	05-Sep-16 A	11-Jan-17	10						
FHW-5040	Steel Truss Installation across Fanling Highway	16	16	24-Dec-16	14-Jan-17	5						

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								Oct	Nov	Dec	Jan	Feb
FHW-5090	Additional BFA Facilities - Pile Cap & Sump Pit (covered by VO no. 59)	50	71	01-Aug-16 A	14-Jan-17	93						
FHW-5020	Steel Truss Installation at TWSR East	22	22	30-Dec-16	25-Jan-17	2						
FHW-5050	Installation of Bridge Decking and Cladding	32	32	19-Jan-17	03-Mar-17	2						
Provision of BFA Facilities (Lift)												
FHW-L-1000	RC Works for Lift Shaft	55	55	16-Jan-17	27-Mar-17	93						
At-Grade Road Works (130m)												
FHW-5130	Completion of Demolition of existing Control Valve House	0	0		13-Dec-16	3						
FHW-5150	Road Formation & Pavement (FLH SB 3rd lane)	33	33	14-Dec-16	24-Jan-17	3						
Fanling Highway Zone 6 between CH7600 and CH7660 (Existing Vehicular Bridge)												
At-Grade Roadworks (60m)												
FHW-6120	Road Formation & Pavement (FLH SB 1st - 3rd lanes)	62	62	14-Nov-16	27-Jan-17	0						
Fanling Highway Zone 7 between CH7660 and CH7925												
At-Grade Roadworks (265m)												
FHW-7120	Demolition of Existing Central Barrier and Make Good of Road Pavement for further Traffic Diversion	38	8	22-Aug-16 A	29-Oct-16	0						
Remaining Works for Noise Barrier along widened Fanling Highway												
FHW-NB-120	Noise Barrier Steelworks & Panel for NB6 (123m), adjacent to Fanling Highway SB lanes at Zone 1	20	20	21-Oct-16*	12-Nov-16	304						
FHW-NB-130	Noise Barrier Steelworks & Panel for NB7 (60m), adjacent to Fanling Highway SB lanes at Zone 1	10	10	14-Nov-16	24-Nov-16	304						
FHW-NB-140	Noise Barrier Steelworks & Panel for NB71 (254m), adjacent to Fanling Highway SB lanes at Zones 2,3 & 4	45	45	25-Nov-16	19-Jan-17	304						
FHW-NB-220	Noise Barrier Steelworks & Panel for NB68A (225m), Fanling Highway central median at Zones 2 & 3	35	35	30-Dec-16	16-Feb-17	7						
Section II - Remainder of the Works (KD-3)												
At Grade Link Road at Fanling Highway Interchange												
Link Road 3 (near Abutment AD1)												
FHI-LR3-3010	Completion of Abutment AD1	0	0		21-Oct-16	77						
FHI-LR3-3020	Construction of Retaining Wall beside Abutment AD1	120	120	18-Jan-17	21-Jun-17	4						
WSD Works												
DN450 Fire Mains (CHA)												
WA-3070	Pipe Laying - CHA 925 - 972 (DN450) near Ext. TWSR West (Stage 1)	95	0	10-Jun-16 A	30-Sep-16 A							
WA-2010	Pipe Laying - CHA 460 - 500 (DN450) near Ext. TWSR West, 40m	70	49	01-Sep-16 A	16-Dec-16	0						
WA-3010	Pipe Laying - CHA 675 - 720 (DN450) near Ext. TWSR West, 45m	80	54	19-Sep-16 A	22-Dec-16	0						
WA-2020	Pipe Laying - CHA 500 - 540 (DN450) near Ext. TWSR West, 40m	70	70	17-Dec-16	18-Mar-17	0						
WA-3020	Pipe Laying - CHA 720 - 765 (DN450) near Ext. TWSR West, 45m	85	85	23-Dec-16	12-Apr-17	0						
DN600 Water Mains (CHB)												
WB-1030C	Pipe Laying - CHB 410 - 510 (DN600) from Portal AB7/AD9/AC12 to Realigned TWSR East	35	35	26-Oct-16	05-Dec-16	42						
WB-1060A	Pipe Laying - CHB 510 - 570 (DN600) near J-bridge	21	21	24-Dec-16	20-Jan-17	60						
DN1200 Water Mains (CHC)												
WC-1120A	Pipe Laying - CHC 810 - 860 (DN1200) near Realigned TWSR East (TWSRE: CH270-320), 50m long & GL	25	0	18-Jul-16 A	22-Sep-16 A							

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								Oct	Nov	Dec		Jan	Feb
WC-1090C	Pipe Laying - CHC 715 - 810 (DN1200) from Portal AB7/AD9/AC12 to Realigned TWSR East	35	35	26-Oct-16	05-Dec-16	42							
WC-1050A	Pipe Laying - CHC 155 - 200 (DN1200) near FLH S/B (FHW: CH6935-7130), 45m long, 4m depth	120	76	15-Oct-14 A	20-Jan-17	156							
WC-1120B	Pipe Laying - CHC 860 - 890 (DN1200) near J-Bridge	21	21	24-Dec-16	20-Jan-17	60							
Twin DN1400 Water Mains (CHE & CHG)													
WE-1050	Pipe Laying - CHE & CHG 300 - 380 (Twins DN1400) from Portal AB7/AD9/AC12 to new connection point	131	131	21-Oct-16	01-Apr-17	5							
DN2200 Water Mains (CHF)													
WF-1050 A	Construction of Launching Pit for DN2200 (CHF), Section 3	55	55	05-Jan-17	16-Mar-17	2							
WF-1000B	Construction of Launching Pit for DN2200 (CHF), Section 1 (near Pier AB3)	60	60	05-Jan-17	22-Mar-17	72							
DN2300 Water Mains and Leakage Collection System (CHJ & CHKA/CHK)													
WJ-3010	Pipe Laying - CHK 0 - 80 (DN1400) near Realigned TWSR East, 80m long & 4m depth	55	35	17-Sep-16 A	30-Nov-16	101							
WJ-3020	Pipe Laying - CHKA 0 - 73 (DN1400) near Realigned TWSR East, 73m long & 4m depth	90	35	17-Sep-16 A	30-Nov-16	101							
WJ-3030	Pressure Test for CHK/CHKA	7	7	01-Dec-16	08-Dec-16	319							
Kau Lung Hang Valve Control & Telemetry House Reprovision													
VCTH-1060	Demolition of Existing KLH Valve Control & Telemetry House	75	46	19-Sep-16 A	13-Dec-16	3							
Existing Nam Wa Po Trunk Sewage Pumping Station (PST3)													
PS-1000	Demolition of Existing Boundary Wall of Pumping Station (PST3)	50	50	01-Nov-16*	30-Dec-16	32							
PS-1010	Construction of New Boundary Wall for Pumping Station (PST3)	90	90	31-Dec-16	27-Apr-17	32							
Stage 1A - Realignment of Tai Wo Service Road West (KD-7)													
TWSRW Zone 1 between CH100 and CH155													
At-Grade Roadworks													
TWSRW-1160B	Remaining Road Formation & Pavement connecting to FHW3 Contractor	28	28	22-Nov-16	23-Dec-16	4							
TWSRW Zone 2 between CH155 and CH280													
At-Grade Roadworks													
TWSRW-2130B	Remaining Noise Barrier NB1a - Footing (Bay 1-2; Approx. 20m)	50	0	02-Sep-16 A	05-Oct-16 A								
TWSRW-2150	Rectification Works for Southern Trunk Sewer (STS10_440 - STS10_460)	58	27	12-Sep-16 A	21-Nov-16	0							
TWSRW-2160	Remaining Road Drainage (i.e. conflict with sewer rectification works)	25	25	22-Nov-16	20-Dec-16	0							
TWSRW-2130C	Remaining Road Formation & Pavement (above Southern Trunk Sewer)	30	30	21-Dec-16	27-Jan-17	0							
TWSRW Zone 4 between CH315 and CH376													
Construction of Bridge E													
TWSRW-4100B	Reinstate the river bed of Ma Wat River	28	28	01-Nov-16*	02-Dec-16	250							
TWSRW-4100C	Construction of Gabion Wall and Remaining Slope Reinstatement Works	93	93	03-Dec-16	31-Mar-17	250							
TWSRW Zone 5 between CH376 and CH520													
At-Grade Roadworks													
TWSRW-5100C	Remaining Retaining Wall RW7 - Bay 7001 (6.7m) (covered by VO No.100)	30	30	27-Oct-16	30-Nov-16	61							
TWSRW-5120A	Filling Works between Retaining Wall RW7 and RW8	192	82	07-Jun-16 A	27-Jan-17	94							
TWSRW-5110D	Remaining Retaining Wall RW9 - Bay 9001 & Coping Block (covered by VO No.116)	55	55	03-Dec-16	15-Feb-17	288							

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							Oct	Nov	Dec	Jan	Feb	
TWSRW-5160	Construction of Extended Podium near RW7 incl. demolition of existing staircase and filling works (covered by VO No.100)	85	85	01-Dec-16	20-Mar-17	61						
TWSRW Zone 7 between CH530 and CH640												
At-Grade Roadworks												
TWSRW-7190	Implementation of TTA - Scheme W3C (shift TWSRW SB traffic westward, i.e. permanent alignment)	0	0	17-Dec-16		206	◆ Implementation of TTA - Scheme W3C (shift TWSRW SB traffic					
TWSRW Zone 8 between CH640 and CH695												
Kiu Tau Footbridge Reprovision (West)												
TWSRW-8020A	KT-P1 & P5 - Pier Construction	28	28	21-Oct-16	22-Nov-16	10	KT-P1 & P5 - Pier Construction					
TWSRW-8020A	KT-P1 & P5 - RC Deck & Bearing Installation	18	18	28-Nov-16	17-Dec-16	10	KT-P1 & P5 - RC Deck & Bearing Installation					
TWSRW-8030	KT-AB4 - Pile Cap, Abutment and Bearing Installation	36	53	02-Dec-15 A	21-Dec-16	5	KT-AB4 - Pile Cap, Abutment and Bearing Installation, KT-					
TWSRW-8040	Steel Truss Installation at TWSR West	12	12	31-Dec-16	14-Jan-17	5	Steel Truss Installation at TWS					
At-Grade Roadworks												
TWSRW-8100	Fill Replacement Works	95	95	16-Jan-17	19-May-17	89						
Remainder of the Works												
Utilities Laying Works												
UU-1030	Utilities Duct Laying in Area 3, Phase 1 (along existing TWSRW, Approx. 150m) (by utilities undertakers)	105	7	04-May-16 A	27-Oct-16	4	Utilities Duct Laying in Area 3, Phase 1 (along existing TWSRW, Approx. 150m) (by utilities undertakers), Utilities Duct Lay					
UU-1030B	Utilities Duct Laying in Area 3, Temp Works, Towngas - DN400, approx. 30m	4	4	15-Dec-16*	19-Dec-16	0	Utilities Duct Laying in Area 3, Temp Works, Towngas - DN40					
UU-1040A	Utilities Duct Laying in Area 4, Phase 2, Towngas - DN600 & DN400, approx. 50m (by their own TTA)	121	114	15-Sep-16 A	13-Mar-17	595						
Switch-Over of Existing Utilitiess												
UU-SO-1000	Completion of Utilities Duct Laying (Telecom) by Interface Contractor, HY/2012/06	0	0		31-Oct-16*	0	◆ Completion of Utilities Duct Laying (Telecom) by Interface Contractor, HY/2012/06					
UU-SO-2000	Cabling Works for CLP 132kV (300mVA)	21	21	01-Nov-16*	24-Nov-16	62	Cabling Works for CLP 132kV (300mVA)					
UU-SO-2020	Cabling Works for CLP 11kV	21	21	01-Nov-16*	24-Nov-16	62	Cabling Works for CLP 11kV					
UU-SO-3520	Temporary Diversion of DN400 Gas Mains	9	9	20-Dec-16*	31-Dec-16	33	Temporary Diversion of DN400 Gas Mains					
UU-SO-2500	Switch-over Works (CLP 132kV, 300mVA)	90	90	01-Jan-17*	31-Mar-17	46						
UU-SO-2520	Switch-over Works (CLP 11kV)	90	90	01-Jan-17*	31-Mar-17	46						
UU-SO-1010	Cabling Works for telecom utilities	270	270	01-Nov-16	28-Jul-17	0						
Stage N4A & N4B - Realignment of Tai Wo Service Road East (KD-13 & KD-14)												
TWSRE Zone 1 between CH100 and CH270												
At-Grade Roadworks												
TWSRE-1140A*	Pipe laying - DN1400 Watermains (CHKA) along Realigned TWSR East	90	35	17-Sep-16 A	30-Nov-16	101	Pipe laying - DN1400 Watermains (CHKA) along Realigned TWSR East					
TWSRE-1170	Remaining Noise Barrier NB3 Stem Wall (a total of 24m long)	55	55	06-Dec-16	17-Feb-17	42						
TWSRE-1140B*	Pipe laying - DN600 & DN1200 Watermains (CHB & CHC) along Realigned TWSR East	132	132	26-Oct-16	08-Apr-17	0						
TWSRE Zone 2 between CH270 and CH380												
At-Grade Roadworks												
TWSRE-2030A*	Pipe laying - DN600 & DN1200 Watermains (CHB & CHC) along Realigned TWSR East	25	0	17-Jul-15 A	22-Sep-16 A							
TWSRE-2050	Erection of Scaffolding for Demolition Works of Kiu Tau Vehicular Bridge	60	0	20-Aug-16 A	05-Oct-16 A		Erection of Scaffolding for Demolition Works of Kiu Tau Vehicular Bridge					

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