

# Appendix A

## Construction Programme

Activity ID	Activity Name	OD	RD	Start	Finish	IF	2019					
							Feb	Mar	Apr	May	Jun	Jul
<b>3-Month Rolling Programme 2019-3-21 (Based on UMP06C)</b>												
<b>Key Dates (Contractual)</b>												
KD-0400a	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A (Prel. EOT by Claim 56, 58)	0	0		20-May-19*	0						
KD-0500	KD4A: Section 3A - Landscape Softworks in NBZ1 (Potential EOT by Incident Weather)	0	0		20-Apr-19*	-183						
KD-0800	KD6: Section 5 - Preservation and Protection of Trees (Potential EOT by Incident Weather)	0	0		20-May-19*	-111						
<b>Key Dates (Forecast)</b>												
KD-0405	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A	0	0		20-May-19	0						
KD-0505	KD4A: Section 3A - Landscape Softworks in NBZ1	0	0		20-May-19	-214						
KD-0805	KD6: Section 5 - Preservation and Protection of Trees	0	0		20-May-19	-111						
<b>Section IA &amp; IB - Fanling Highway Widening (KD-1 &amp; KD-2)</b>												
<b>Fanling Highway South Portion between CH6935 and CH7470</b>												
<b>Fanling Highway Zone 1 between CH6935 and CH7130 (within SBZ2)</b>												
<b>Noise Barrier</b>												
FHW-1110b	Noise Barrier NB6 and NB7 - Remaining Stem Wall (28m, maintain access for extension of NB 70, VO199)	30	177	16-Aug-18 A	22-Nov-19	125						
FHW-1140c	Noise Barrier NB70 - Footing (extended 10m under VO199)	153	153	23-Apr-19*	25-Oct-19	143						
<b>At-Grade Roadworks (195m)</b>												
FHW-1350b	Road Pavement (FLH NB 1st lane and Hard Shoulder)	138	138	23-Apr-19*	08-Oct-19	164						
<b>Fanling Highway Zone 2 between CH7130 and CH7290</b>												
<b>Noise Barrier</b>												
FHW-2340b	Noise Barrier NB67-2 - Cap ID4-1A_1 and Cap ID4-1A_2 head beam (affected by Tau Pass, VO 191)	15	15	23-Apr-19*	10-May-19	241						
FHW-2370c	Access Ramp at Tau Pass - Additional Mini-Piling (3 nos.) (under VO191)	34	34	23-Apr-19*	03-Jun-19	268						
FHW-2370d	Access Ramp at Tau Pass - Pile caps and other structures (under VO191)	48	37	07-Mar-19 A	06-Jun-19	265						
<b>At-Grade Roadworks (160m)</b>												
FHW-2240	Permanent Street Light Installation (due to Claim No. 63)	21	21	20-Jun-18 A	18-May-19	270						
FHW-2250	Road Pavement on FLH SB 4th lane after Removal of Temp. Street Light (due to Claim No. 63)	11	11	20-May-19*	31-May-19	270						
FHW-2350a	Road Drainage and Pavement (near NB67-2, MN7.9 to MN7.11)	58	33	29-Mar-18 A	01-Jun-19	269						
FHW-2350b	Installation of Drain pipe and Manholes (MN7.12 & MN7.12A) (affected by Tau Pass under VO191)	29	157	26-Nov-18 A	30-Oct-19	145						
FHW-2350c	Road Drainage and Pavement (near NB67-2, MN7.12 & MN7.12A) (affected by Tau Pass, VO not yet issued)	46	46	11-May-19*	06-Jul-19	241						
<b>Fanling Highway Zone 3 between CH7290 and CH7380</b>												
<b>Noise Barrier</b>												
FHW-3340	Noise Barrier NB69 - Pile cap/ Footing and Stem Wall adjacent to NB lane (108m)	77	35	16-Oct-17 A	04-Jun-19	249						
<b>At-Grade Roadworks (130m)</b>												
FHW-3240	Road Pavement on FLH SB 4th lane after Removal of Temp. Street Light (due to Claim No. 63)	10	10	31-Aug-18 A	04-May-19	292						
FHW-3350a	Road Drainage (FLH NB hard shoulder, next to NB69)	61	50	26-Feb-18 A	22-Jun-19	227						
FHW-3350b	Road Formation and Pavement (FLH NB 1st lane and HS next to NB69, due to Tau Pass under VO191)	25	25	24-Jun-19*	23-Jul-19	227						
<b>Fanling Highway North Portion between CH7470 and CH7925</b>												
<b>Fanling Highway Zone 4 between CH7380 and CH7470</b>												
<b>At-Grade Roadworks (90m)</b>												
FHW-4150	Road Pavement (FLH SB 1st lane) by re-surfacing (due to Claim No. 63)	15	33	10-Sep-18 A	01-Jun-19	269						
FHW-4150a	Road Drainage and Road Pavement (FLH H.S., Merging Lane)(due to Claim No. 63)	48	48	10-Sep-18 A	20-Jun-19	254						
FHW-4330c	Construction of FL/RW2 (mass concrete wall, VO not yet received)	38	38	27-Aug-18 A	08-Jun-19	259						
FHW-4330d	Remaining Gullies and Road Pavement after Construction of FL/RW2 (VO not yet received)	25	25	16-May-19*	14-Jun-19	259						

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**Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3**  
**3-Month Rolling Programme**  
**3MPR069** Page 1 of 5 **20-Apr-19**

3-Month Rolling Programme updated to 2019-4-20			
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							Feb	Mar	Apr	May	Jun	Jul										
FHI-LR2-2050	Road Pavement and Drainage next to Abutment (after completion of NB73 Bay 12&13 Stem Wall)	20	20	23-Mar-19 A	17-May-19	282																
FHI-LR2-2050	Road Formation, Road Drainage and Pavement (SMH1302 - 1303 & MY2.4 - 2.5) at grade	72	72	01-Mar-18 A	19-Jul-19	230																
FHW-SG-103I	Fabrication and Delivery of Sign Gantry DS11	99	26	28-Dec-17 A	24-May-19	276																
FHW-SG-104I	Erection of Sign Gantry FADS11 and DS64 (include On-site Fabrication)	15	15	23-Apr-19	10-May-19	287																
<b>Link Road 3 (near Abutment AD1)</b>																						
FHI-LR3-3020	Permanent Fill Slope, Construction of Gullies and Profile Barriers	48	35	25-Apr-18 A	04-Jun-19	242																
FHI-LR3-3030	Road Pavement	1	1	05-Jun-19*	05-Jun-19	242																
FHI-LR3-3040	Other Civil Works for TCSS duct laying - along Link Road 3	25	25	05-Jun-19	05-Jul-19	242																
<b>Link Road 4 (near Abutment AC1)</b>																						
FHI-LR4-4030	Road Formation, Road Drainage, TCSS ducting and Pavement	55	35	27-Nov-17 A	04-Jun-19	223																
FHI-LR4-4040	Remaining Section of Carriageway connect to FLH	44	44	05-Jun-19*	27-Jul-19	223																
<b>Viaduct - Pavement, Street Furnitures, Lighting inside Internal Voids and Others</b>																						
RS-1020b	Other Street Furniture including Sign Gantry, NB, Handrail, traffic signs, etc, for Bridge A, B, C and D	112	0	26-Feb-18 A	20-Apr-19 A																	
RS-1110	Final Pavement and Road Marking	12	0	01-Mar-19 A	19-Apr-19 A																	
<b>WSD Works</b>																						
<b>DN450 Fire Mains (CHA)</b>																						
WA-1010c	Pipe Laying - CHA 38 - 113 (DN450) near Ext. TWSRW, 20m	11	102	16-Apr-18 A	23-Aug-19	102																
WA-1020	Pipe Laying - CHA 113 - 135 (DN450) near Ext. TWSRW, 20m	102	102	23-Apr-19*	23-Aug-19	187																
WA-1030	Pipe Laying - CHA 135 - 160 (DN450) near Ext. TWSRW, 25m	19	102	18-Apr-18 A	23-Aug-19*	200																
WA-1110a	Pipe Laying - CHA 185 - 228 (DN450) near Ext. TWSRW, 43m	24	24	23-Apr-19*	22-May-19	278																
WA-1130b	Pipe Laying - CHA 373 - 380 (DN450) near Ext. TWSRW, 7m	18	18	23-Apr-19*	15-May-19	271																
WA-1130c	Pipe Laying - CHA 380 - 388 (DN450) near Ext. TWSRW, 8m	12	12	23-Apr-19*	07-May-19	277																
WA-3040	Pipe Laying - CHA 810 - 835 (DN450) along Ext. TWSRW SB, 25m (NBZ)	74	74	23-Apr-19*	22-Jul-19	215																
WA-3050	Pipe Laying - CHA 835 - 880 (DN450) along Ext. TWSRW SB, 45m (NBZ)	74	74	23-Apr-19*	22-Jul-19	215																
WA-3060	Pipe Laying - CHA 880 - 925 (DN450) along Ext. TWSRW SB, 45m (NBZ)	68	68	23-Apr-19*	15-Jul-19	119																
WA-3080	Pipe Laying - CHA 925 - 972 (DN450) along Ext. TWSRW SB (Stage2), 47m (NBZ)	102	102	16-Jul-19*	14-Nov-19	119																
WA-4200	Pressure Test for CHA (CHA 380 - 810)	13	13	08-May-19*	23-May-19	277																
<b>DN1200 Water Mains (CHC)</b>																						
WC-1030	Construction of IT inspection tee chamber(s) near the Jacking Pits	47	47	10-May-18 A	19-Jun-19	255																
<b>DN2200 Water Mains (CHF)</b>																						
WF-4000	Modification of Existing DN2200 DAV Chamber at FLH NB near Kiu Tau Footbridge (covered by VO no.50)	35	35	23-Apr-19*	04-Jun-19	267																
<b>Existing Nam Wa Po Trunk Sewage Pumping Station (PST3)</b>																						
PS-1010	Construction of New Boundary Wall for Pumping Station (PST3)	80	74	25-Nov-16 A	22-Jul-19	228																
<b>Stage 1A - Realignment of Tai Wo Service Road West (KD-7)</b>																						
<b>TWSRW Zone 5 between CH376 and CH520</b>																						
<b>Construction of Retaining Structures</b>																						
TWSRW-512I	Remaining works incl. railing, u-channel on top of Bored Pile Wall (wait for VO)	22	22	25-Jun-18 A	20-May-19	280																
TWSRW-515I	Slope Works and Retaining Wall of FL-C2 (covered by VO183)	60	25	01-Dec-17 A	23-May-19	277																
<b>At-Grade Roadworks</b>																						

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							Feb	Mar	Apr	May	Jun	Jul	
TWSRW-511	Retaining Wall RW9 - Bay 9002 & 9003 (covered by VO No.116)	45	26	05-Feb-16 A	24-May-19	276						Retaining Wall RW9 - Bay 9002 & 9003 (covered by VO No.116)	
TWSRW-512	Filling Works between Retaining Wall RW7 and RW8	192	39	07-Jun-16 A	10-Jun-19	263						Filling Works between Retaining Wall RW7 and RW8	
TWSRW-512	Road Pavement and remaining works of Vehicular Access to Lot 81	27	27	12-Jul-18 A	25-May-19	260						Road Pavement and remaining works of Vehicular Access to Lot 81	
TWSRW-516	Construction of Extended Podium near RW7 incl. filling works & slope protection (covered by VO No.100)	85	48	27-Oct-16 A	20-Jun-19	254						Construction of Extended Podium near RW7 incl. filling works & slope protection (covered by VO No.100)	
TWSRW-517	Construction of Pavilion (covered by VO No.137)	49	49	10-Aug-18 A	21-Jun-19	253						Construction of Pavilion	
<b>TWSRW Zone 7 between CH530 and CH640</b>													
<b>At-Grade Roadworks</b>													
TWSRW-719	Remaining Road Drainage, Road Formation, Road Pavement and Footpath (incl. Zone 6 & Zone 7)	44	44	23-Apr-19*	15-Jun-19	242						Remaining Road Drainage, Road Formation, Road Pavement and Footpath (incl. Zone 6 & Zone 7)	
<b>TWSRW Zone 8 between CH640 and CH695</b>													
<b>At-Grade Roadworks</b>													
TWSRW-812	Remaining Road Drainage, Road Formation, Road Pavement and Footpath	60	60	23-Apr-19*	05-Jul-19	242						Remaining Road Drainage, Road Formation, Road Pavement and Footpath	
<b>Remainder of the Works</b>													
TWSRW-9020	Filling Works to the abandoned section of TWSRW and modify existing sewerage manhole	75	75	23-Apr-19*	23-Jul-19	227						Filling Works to the abandoned section of TWSRW and modify existing sewerage manhole	
<b>Utilities Laying Works</b>													
UU-1010A	Utilities Duct Laying in Area 1, Phase2, CLP - 132kV(150mVA), approx.30m at interface section	16	12	10-Jan-18 A	07-May-19	166						Utilities Duct Laying in Area 1, Phase2, CLP - 132kV(150mVA), approx.30m at interface section	
UU-1010B	Utilities Duct Laying in Area 1, Phase2, Towngas - DN600, approx.20m at interface section	58	58	26-Jun-19	02-Sep-19	166						Utilities Duct Laying in Area 1, Phase2, Towngas - DN600, approx.20m at interface section	
UU-1030	Utilities Duct Laying in Area 3, Phase1 (along existing TWSRW, Approx. 150m) (by utilities undertakers)	7	7	20-Apr-19*	26-Apr-19	245						Utilities Duct Laying in Area 3, Phase1 (along existing TWSRW, Approx. 150m) (by utilities undertakers)	
UU-1030A	Utilities Duct Laying in Area 3, Phase2, CLP - 132kV(150mVA), approx. 30m	27	49	10-Jan-18 A	21-Jun-19	156						Utilities Duct Laying in Area 3, Phase2, CLP - 132kV(150mVA), approx. 30m	
UU-1040A	Utilities Duct Laying in Area 4, Phase2, Towngas - DN600 & DN400, approx. 50m (by their own TTA)	121	50	15-Sep-16 A	22-Jun-19	122						Utilities Duct Laying in Area 4, Phase2, Towngas - DN600 & DN400, approx. 50m (by their own TTA)	
UU-1040B	Utilities Duct Laying in Area 4, Phase2, CLP - 132kV(150mVA), approx. 50m (by their own TTA)	33	33	24-Jun-19	01-Aug-19	122						Utilities Duct Laying in Area 4, Phase2, CLP - 132kV(150mVA), approx. 50m (by their own TTA)	
<b>Switch-Over of Existing Utilities</b>													
UU-SO-2520	Switch-over Works (CLP 11kV)	16	16	20-Apr-19*	05-May-19	349						Switch-over Works (CLP 11kV)	
UU-SO-3500	Switch-over Works (Towngas, DN400)	30	30	23-Jun-19*	22-Jul-19	271						Switch-over Works (Towngas, DN400)	
<b>Remaining Works for Noise Barrier along realigned TWSRW</b>													
TWSRW-NB-14	Noise Barrier Steelworks & Panel for NB2 at Zone 5	15	15	27-May-19*	13-Jun-19	260						Noise Barrier Steelworks & Panel for NB2 at Zone 5	
<b>Stage N4A &amp; N4B - Realignment of Tai Wo Service Road East (KD-13 &amp; KD-14)</b>													
<b>TWSRE Zone 1 between CH100 and CH270</b>													
<b>At-Grade Roadworks</b>													
TWSRE-1180	Road Formation, Kerb and Pavement (Incl. FL/F8A, FL/F9)	24	0	11-Oct-17 A	13-Mar-19 A							Road Formation, Kerb and Pavement (Incl. FL/F8A, FL/F9)	
TWSRE-1190	Drainage Works on Permanent Cycle Track (under VO159)	80	0	15-Jan-18 A	20-Mar-19 A							Drainage Works on Permanent Cycle Track (under VO159)	
TWSRE-1200	Road Pavement on Permanent Cycle Track	32	0	09-Apr-19 A	17-May-19 A							Road Pavement on Permanent Cycle Track	
<b>TWSRE Zone 2 between CH270 and CH380</b>													
<b>At-Grade Roadworks</b>													
TWSRE-2100	Road Formation, Kerb and Pavement	20	0	23-Oct-17 A	08-Mar-19 A							Road Formation, Kerb and Pavement	
TWSRE-2110	Drainage Works on Permanent Cycle Track (under VO159)	80	0	26-Mar-18 A	28-Jun-19 A							Drainage Works on Permanent Cycle Track (under VO159)	
TWSRE-2120	Road Pavement on Permanent Cycle Track	33	0	22-Mar-19 A	12-Apr-19 A							Road Pavement on Permanent Cycle Track	
<b>TWSRE Zone 3 between CH380 and CH456</b>													
<b>At-Grade Roadworks</b>													
TWSRE-3050	Drainage Works on Permanent Cycle Track (under VO159)	45	0	03-Apr-18 A	15-Mar-19 A							Drainage Works on Permanent Cycle Track (under VO159)	
TWSRE-3060	Road Pavement on Permanent Cycle Track	40	0	21-Mar-19 A	19-Apr-19 A							Road Pavement on Permanent Cycle Track	
<b>Remaining Works for Noise Barrier along realigned TWSR East</b>													

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TWSRE-NB-12	Installation of Steelwork & Transparent Panel - Noise Barrier NB3 (254m)	35	0	09-Jun-17 A	10-Apr-19 A		Installation of Steelwork & Transparent Panel - Noise Barrier NB3 (254m)					
<b>Landscaping &amp; Establishment Works (KD-4, 4A, 5, 5A, 6)</b>												
<b>Section 3A - Landscaping Softworks in NBZ1</b>												
S3A-1000	Transplant and Landscaping Softworks in NBZ1	50	0	14-Feb-19 A	29-Mar-19 A		Transplant and Landscaping Softworks in NBZ1					
<b>Section 3 - Remainder of Landscaping Softworks Not Included in Section 3A</b>												
S3-1000	Transplant and Landscaping Softworks on At grade Road	131	22	26-Mar-18 A	20-May-19	-168	Transplant and Landscaping Softworks on At grade Road, Transplant and Landscaping Softworks on Viaduct or other remaining area					
S3-1010	Transplant and Landscaping Softworks on Viaduct or other remaining area	48	0	28-Nov-18 A	20-Feb-19 A		Transplant and Landscaping Softworks on Viaduct or other remaining area					
<b>Section 4A: Establishment Works for Landscape Softworks under Section 3A</b>												
S4A-1000	Establishment Works at NBZ1	365	365	23-Mar-19 A	18-Apr-20	-230	Establishment Works at NBZ1					
<b>Section 4: Establishment Works for Landscape Softworks under Section 3</b>												
S4-1000	Establishment Works for Remaining Part of Site	365	365	13-Mar-19 A	18-Apr-20	-228	Establishment Works for Remaining Part of Site					
<b>Section 5: Preservation and Protection of Trees</b>												
S5-1000	Preservation and Protection of Trees	0	0		20-May-19	-83	◆ Preservation and Protection of Trees					

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