

# **Appendix A**

## **Construction Programme**

Activity ID	Activity Name	OD	RD	Start	Finish	TF	2019						
							Feb	Mar	Apr	May	Jun	Jul	
3-Month Rolling Programme 2019-3-21 (Based on UMP06C)													
Key Dates (Contractual)													
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				◆ KD4: Section 3 - Remainder of Landscape Softworks not included in Se			
KD-0500	KD4A: Section 3A - Landscape Softworks in NBZ1 (Potential EOT by Inclement Weather)	0	0		20-Apr-19*	-183			◆ KD4A: Section 3A - Landscape Softworks in NBZ1 (Potential EOT by Inclement Weather)				
KD-0800	KD6: Section 5 - Preservation and Protection of Trees (Potential EOT by Inclement Weather)	0	0		20-May-19*	-111				◆ KD6: Section 5 - Preservation and Protection of Trees (Potential EOT by			
Key Dates (Forecast)													
KD-0405	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A	0	0		20-May-19	0				◆ KD4: Section 3 - Remainder of Landscape Softworks not included in Se			
KD-0505	KD4A: Section 3A - Landscape Softworks in NBZ1	0	0		20-May-19	-214				◆ KD4A: Section 3A - Landscape Softworks in NBZ1			
KD-0805	KD6: Section 5 - Preservation and Protection of Trees	0	0		20-May-19	-111				◆ KD6: Section 5 - Preservation and Protection of Trees			
Section 1A & 1B - Fanling Highway Widening (KD-1 & KD-2)													
Fanling Highway South Portion between CH6935 and CH7470													
Fanling Highway Zone 1 between CH6935 and CH7130 (within SB22)													
Noise Barrier													
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							
At-Grade Roadworks (195m)													
FHW-1350b	Road Pavement (FLH NB 1st lane and Hard Shoulder)	138	138	23-Apr-19*	08-Oct-19	164							
Fanling Highway Zone 2 between CH7130 and CH7290													
Noise Barrier													
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							
At-Grade Roadworks (160m)													
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							
Fanling Highway Zone 3 between CH7290 and CH7380													
Noise Barrier													
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							
At-Grade Roadworks (130m)													
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							
Fanling Highway North Portion between CH7470 and CH7925													
Fanling Highway Zone 4 between CH7380 and CH7470													
At-Grade Roadworks (90m)													
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							

Actual Work

Remaining Work

Summary Bar

Critical Remaining Work

◆ ◆ Milestone

Project Baseline Bar

CEDD Contract No. CV/2012/09

Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3

3-Month Rolling Programme

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3-Month Rolling Programme updated to 2019-4-20

Date	Revision	Checked	Approved
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Activity ID	Activity Name	OD	RD	Start	Finish	TF	2019					
							Feb	Mar	Apr	May	Jun	Jul
FHW-4330e	Road Drainage MN9.1 - MN9.3	24	0	23-Aug-18 A	23-Apr-19	302						
<b>Fanling Highway Zone 5 between CH7470 and CH7600 (Provision of Kiu Tau Footbridge)</b>												
<b>Kiu Tau Footbridge Re-provision (East)</b>												
FHW-5070	Installation of Lighting Facilities (affect by design change which is under VO)	21	46	20-Jun-18 A	18-Jun-19	256						
FHW-5090	Erection of Pillar Box (affect by design change which is under VO)	30	0	28-Feb-19 A	29-Mar-19 A							
FHW-5100	Power Cable Laying Works (affect by design change which is under VO)	36	36	23-Apr-19*	05-Jun-19	229						
FHW-5110	Permanent Power Supply Connection (affect by design change which is under VO)	10	10	06-Jun-19	18-Jun-19	256						
FHW-5110a	Installation of Drainage Pipe	32	22	10-Sep-18 A	20-May-19	280						
FHW-5110b	Laying of Floor Tiles (affect by design change which is under VO)	72	12	28-Jun-18 A	07-May-19	290						
FHW-5110c	Installation of Suspended Ceiling (affect by design change which is under VO)	104	12	21-May-18 A	07-May-19	290						
<b>Provision of BFA Facilities (Lift)</b>												
FHW-L-104I	Permanent Power Supply (affect by design change which is under VO)	10	10	06-Jun-19*	18-Jun-19	229						
FHW-L-106I	Testing & Commissioning (affect by design change which is under VO)	27	27	19-Jun-19*	20-Jul-19	229						
<b>Works at existing TWSRE</b>												
FHW-5490	Road Drainage, Pavement and TCSS duct laying (Merging lane next to NB72)(due to claim)	2	2	25-May-19*	27-May-19	274						
FHW-5500	Road Drainage (MS10.1-10.3A), Road Pavement and TCSS duct laying (Merging lane next to NB73)	31	44	21-Apr-18 A	15-Jun-19	258						
<b>At-Grade Road Works (130m)</b>												
FHW-5130	Road Pavement (FLH SB 1st lane) by re-surfacing (due to claim 63)	15	18	10-Sep-18 A	15-May-19	284						
FHW-5330a	Road Drainage (MN10.1-10.3A, gullies affected by Slope F18)	60	15	16-Dec-17 A	10-May-19	287						
FHW-5330c	Fill Replacement Works 3SW-D/F18 next to FLH NB (further modified by VO not yet received)	73	24	01-Aug-18 A	22-May-19	278						
FHW-5330d	Remaining Gullies, road formation and TCSS duct laying (log on effect by Slope F18 under VO)	25	0	23-Jan-19 A	26-Mar-19 A							
FHW-5330e	Road Pavement (log on effect by Slope F18 under VO)	14	14	23-Apr-19*	09-May-19	288						
<b>Fanling Highway Zone 6 between CH7600 and CH7660 (Existing Vehicular Bridge)</b>												
<b>At-Grade Roadworks (60m)</b>												
FHW-6330a	Road Drainage and Road Formation (FLH NB hard shoulder)	60	18	16-Dec-17 A	15-May-19	284						
<b>Fanling Highway Zone 7 between CH7660 and CH7925 at NBZ (Section 1B)</b>												
<b>At-Grade Roadworks (265m)</b>												
FHW-7330	Road Pavement (FLH NB 3rd lane at NBZ joint with CSHK) by re-surfacing	24	35	20-Aug-18 A	04-Jun-19	267						
FHW-7340	Road Pavement, Central Barrier (FLH NB 4th lane) by re-surfacing	24	24	20-Aug-18 A	22-May-19	278						
<b>Remaining Works for Noise Barrier along widened Fanling Highway</b>												
FHW-NB-150	Installation of Steelworks & Panel for NB72 & NB73 (248m), adjacent to FLH SB lanes at Zones 4, 5 & 6	16	16	23-Apr-19	11-May-19	286						
FHW-NB-320	Installation of Steelworks & Panel for NB67-2 (85m), adjacent to FLH NB lanes at Zones 2 & 3	14	14	23-Apr-19*	09-May-19	270						
FHW-NB-330	Installation of Steelworks & Panel for NB69 (109m), adjacent to FLH NB lanes near LR1 at Zone 3	18	18	05-Jun-19*	26-Jun-19	249						
<b>Section II - Remainder of the Works (KD-3)</b>												
<b>At Grade Link Road at Fanling Highway Interchange</b>												
<b>Link Road 1 (near Abutment AB1)</b>												
FHI-LR1-1020	Backfilling works of abutment, Gully and Profile Barrier at Abutment AB1	20	0	28-May-18 A	03-Apr-19 A							
<b>Noise Barrier</b>												
FHI-LR1-109I	Noise Barrier NB67-1 - Remaining ground beam of Bay 3 (allow access from TWSRW)	7	7	23-Apr-19*	30-Apr-19	295						
<b>Link Road 2 (near Abutment AA1)</b>												
FHI-LR2-2040	3SW-D/FR32 Bay 3213 (including temporary works)	35	0	11-Mar-19 A	20-Mar-19 A							

- Actual Work
- Remaining Work
- Summary Bar
- Critical Remaining Work
- Milestone
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**3-Month Rolling Programme**  
**3MPR069** \_\_\_\_\_ **Page 2 of 5** \_\_\_\_\_ **20-Apr-19**

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Activity ID	Activity Name	OD	RD	Start	Finish	TF	2019					
							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-1031	Fabrication and Delivery of Sign Gantry DS11	99	26	28-Dec-17 A	24-May-19	276						
FHW-SG-1041	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 CH620</b>												
<b>Construction of Retaining Structures</b>												
TWSRW 5121	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 5151	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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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 a					
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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