

Appendix A Construction Programme

Activity ID	Activity Name	OD	RD	Start	Finish	TF	2019					
							Mar	Apr	May	Jun	Jul	Aug
3-Month Rolling Programme 2019-4-21 (Based on UMP06C)												
Key Dates (Contractual)												
KD-0400a	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A (Pref. EOT by Claim 56, 58)	0	0		20-May-19*	0						◆ KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A (Pref. EOT by Claim 56, 58)
KD-0500	KD4A: Section 3A - Landscape Softworks in NBZ1 (Potential EOT by Inclement Weather)	0	0		20-May-19*	-213						◆ 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*	-110						◆ KD6: Section 5 - Preservation and Protection of Trees (Potential EOT by Inclement Weather)
Key Dates (Forecast)												
KD-0405	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A	0	0		20-May-19	1						◆ KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A
KD-0505	KD4A: Section 3A - Landscape Softworks in NBZ1	0	0		20-May-19	-213						◆ KD4A: Section 3A - Landscape Softworks in NBZ1
KD-0805	KD6: Section 5 - Preservation and Protection of Trees	0	0		20-May-19	-110						◆ KD6: Section 5 - Preservation and Protection of Trees
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)												
Noise Barrier												
FHW-1110b	Noise Barrier NB6 and NB7 - Remaining Stem Wall (28m, maintain access for extension of NB 70, VO199)	30	0	16-Aug-18 A	30-Apr-19 A		Noise Barrier NB6 and NB7 - Remaining Stem Wall (28m, maintain access for extension of NB 70, VO199)					
FHW-1140c	Noise Barrier NB70 - Footing (extended 10m under VO199)	153	0	20-Feb-19 A	30-Apr-19 A		Noise Barrier NB70 - Footing (extended 10m under VO199)					
At-Grade Roadworks (195m)												
FHW-1350b	Road Pavement (FLH NB 1st lane and Hard Shoulder)	138	0	20-Mar-19 A	20-May-19 A		Road Pavement (FLH NB 1st lane and Hard Shoulder)					
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	0	23-Apr-19 A	10-May-19 A		Noise Barrier NB67-2 - Cap ID4-1A_1 and Cap ID4-1A_2 head beam (affected by Tau Pass, VO 191)					
FHW-2370c	Access Ramp at Tau Pass - Additional Mini-Piling (3 nos.) (under VO191)	34	0	20-Feb-19 A	28-Apr-19 A		Access Ramp at Tau Pass - Additional Mini-Piling (3 nos.) (under VO191)					
FHW-2370d	Access Ramp at Tau Pass - Pile caps and other structures (under VO191)	48	0	07-Mar-19 A	03-May-19 A		Access Ramp at Tau Pass - Pile caps and other structures (under VO191)					
At-Grade Roadworks (160m)												
FHW-2240	Permanent Street Light Installation (due to Claim No. 63)	21	0	20-Jun-18 A	13-Mar-19 A		Permanent Street Light Installation (due to Claim No. 63)					
FHW-2250	Road Pavement on FLH SB 4th lane after Removal of Temp. Street Light (due to Claim No. 63)	11	0	20-Mar-19 A	10-Apr-19 A		Road Pavement on FLH SB 4th lane after Removal of Temp. Street Light (due to Claim No. 63)					
FHW-2350a	Road Drainage and Pavement (near NB67-2, MN7.9 to MN7.11)	58	0	29-Mar-18 A	18-May-19 A		Road Drainage and Pavement (near NB67-2, MN7.9 to MN7.11)					
FHW-2350b	Installation of Drain pipe and Manholes (MN7.12 & MN7.12A) (affected by Tau Pass under VO191)	29	0	26-Nov-18 A	23-Apr-19 A		Installation of Drain pipe and Manholes (MN7.12 & MN7.12A) (affected by Tau Pass under VO191)					
FHW-2350c	Road Drainage and Pavement (near NB67-2, MN7.12 & MN7.12A) (affected by Tau Pass, VO not yet issued)	46	0	20-Jan-19 A	13-May-19 A		Road Drainage and Pavement (near NB67-2, MN7.12 & MN7.12A) (affected by Tau Pass, VO not yet issued)					
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	0	16-Oct-17 A	30-Apr-19 A		Noise Barrier NB69 - Pile cap/ Footing and Stem Wall adjacent to NB lane (108m)					
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	30-May-19	296	Road Pavement on FLH SB 4th lane after Removal of Temp. Street Light (due to Claim No. 63), Road Drainage (FLH NB hard shoulder, next to NB69)					
FHW-3350a	Road Drainage (FLH NB hard shoulder, next to NB69)	61	0	26-Feb-18 A	18-May-19 A		Road Drainage (FLH NB hard shoulder, next to NB69)					

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3-Month Rolling Programme
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3-Month Rolling Programme			
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Activity ID	Activity Name	OD	RD	Start	Finish	TF	2019					
							Mar	Apr	May	Jun	Jul	Aug
FHW-3350b	Road Formation and Pavement (FLH NB 1st lane and HS next to NB69, due to Tau Pass under VO191)	25	0	19-Mar-19 A	16-May-19 A		[Gantt bar: Mar to May]					
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	0	10-Sep-18 A	27-Apr-19 A		[Gantt bar: Sep-18 to Apr-19]					
FHW-4150a	Road Drainage and Road Pavement (FLH H.S., Merging Lane)(due to Claim No. 63)	48	0	10-Sep-18 A	16-Apr-19 A		[Gantt bar: Sep-18 to Apr-19]					
FHW-4330c	Construction of FL/RW2 (mass concrete wall, VO not yet received)	38	0	27-Aug-18 A	04-Apr-19 A		[Gantt bar: Aug-18 to Apr-19]					
FHW-4330d	Remaining Gullies and Road Pavement after Construction of FL/RW2 (VO not yet received)	25	0	11-Feb-19 A	18-May-19 A		[Gantt bar: Feb-19 to May-19]					
FHW-4330e	Road Drainage MN9.1 - MN9.3	24	0	23-Aug-18 A	20-May-19 A		[Gantt bar: Aug-18 to May-19]					
Fanling Highway Zone 5 between CH7470 and CH7600 (Provision of Kiu Tau Footbridge)												
Kiu Tau Footbridge Re-provision (East)												
FHW-5070	Installation of Lighting Facilities (affect by design change which is under VO)	21	46	20-Jun-18 A	13-Jul-19	260	[Gantt bar: Jun-18 to Jul-19]					
FHW-5090	Erection of Pillar Box (affect by design change which is under VO)	30	0	28-Feb-19 A	29-Mar-19 A		[Gantt bar: Feb-19 to Mar-19]					
FHW-5100	Power Cable Laying Works (affect by design change which is under VO)	36	36	20-May-19*	02-Jul-19	233	[Gantt bar: May-19 to Jul-19]					
FHW-5110	Permanent Power Supply Connection (affect by design change which is under VO)	10	10	03-Jul-19	13-Jul-19	260	[Gantt bar: Jul-19 to Jul-19]					
FHW-5110a	Installation of Drainage Pipe	32	22	10-Sep-18 A	14-Jun-19	284	[Gantt bar: Sep-18 to Jun-19]					
FHW-5110b	Laying of Floor Tiles (affect by design change which is under VO)	72	12	28-Jun-18 A	01-Jun-19	294	[Gantt bar: Jun-18 to Jun-19]					
FHW-5110c	Installation of Suspended Ceiling (affect by design change which is under VO)	104	12	21-May-18 A	01-Jun-19	294	[Gantt bar: May-18 to Jun-19]					
Provision of BFA Facilities (Lift)												
FHW-L-104f	Permanent Power Supply (affect by design change which is under VO)	10	10	03-Jul-19*	13-Jul-19	233	[Gantt bar: Jul-19 to Jul-19]					
FHW-L-106f	Testing & Commissioning (affect by design change which is under VO)	27	27	15-Jul-19*	14-Aug-19	233	[Gantt bar: Jul-19 to Aug-19]					
Works at existing TWSRE												
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	299	[Gantt bar: May-19 to May-19]					
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	11-Jul-19	262	[Gantt bar: Apr-18 to Jul-19]					
At-Grade Road Works (130m)												
FHW-5130	Road Pavement (FLH SB 1st lane) by re-surfacing (due to claim 63)	15	18	10-Sep-18 A	10-Jun-19	288	[Gantt bar: Sep-18 to Jun-19]					
FHW-5330a	Road Drainage (MN10.1-10.3A, gullies affected by Slope F18)	60	15	16-Dec-17 A	05-Jun-19	291	[Gantt bar: Dec-17 to Jun-19]					
FHW-5330c	Fill Replacement Works 3SW-DF18 next to FLH NB (further modified by VO not yet received)	73	24	01-Aug-18 A	17-Jun-19	282	[Gantt bar: Aug-18 to Jun-19]					
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		[Gantt bar: Jan-19 to Mar-19]					
FHW-5330e	Road Pavement (log on effect by Slope F18 under VO)	14	14	20-May-19*	04-Jun-19	292	[Gantt bar: May-19 to Jun-19]					
Fanling Highway Zone 6 between CH7600 and CH7660 (Existing Vehicular Bridge)												
At-Grade Roadworks (60m)												
FHW-6330a	Road Drainage and Road Formation (FLH NB hard shoulder)	60	18	16-Dec-17 A	10-Jun-19	288	[Gantt bar: Dec-17 to Jun-19]					
Fanling Highway Zone 7 between CH7660 and CH7925 at NBZ (Section 1B)												

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							Mar	Apr	May	Jun	Jul	Aug
At-Grade Roadworks (265m)												
FHW-7330	Road Pavement (FLH NB 3rd lane at NBZ joint with CSHK) by re-surfacing	24	35	20-Aug-18 A	29-Jun-19	271	Road Pavement (FLH NB 3rd lane at NBZ joint with CSHK)					
FHW-7340	Road Pavement, Central Barrier (FLH NB 4th lane) by re-surfacing	24	24	20-Aug-18 A	17-Jun-19	282	Road Pavement, Central Barrier (FLH NB 4th lane) by re-surfacing, Road Pa					
Remaining Works for Noise Barrier along widened Fanling Highway												
FHW-NB-150	Installation of Steelworks & Panel for NB72 & NB73 (248m), adjacent to FLH SB lanes at Zones 4, 5 & 6	16	16	20-May-19	06-Jun-19	290	Installation of Steelworks & Panel for NB72 & NB73 (248m), adjacent to FLH SB lanes at Z					
FHW-NB-320	Installation of Steelworks & Panel for NB67-2 (85m), adjacent to FLH NB lanes at Zones 2 & 3	14	14	20-May-19*	04-Jun-19	274	Installation of Steelworks & Panel for NB67-2 (85m), adjacent to FLH NB lanes at Zones 2 & 3					
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	274	Installation of Steelworks & Panel for NB69 (109m), adjacent t					
Section II - Remainder of the Works (KD-3)												
At Grade Link Road at Fanling Highway Interchange												
Link Road 1 (near Abutment AB1)												
FHI-LR1-1020	Backfilling works of abutment, Gully and Profile Barrier at Abutment AB1	20	0	28-May-18 A	03-Apr-19 A		Backfilling works of abutment, Gully and Profile Barrier at Abutment AB1					
Noise Barrier												
FHI-LR1-1091	Noise Barrier NB67-1 - Remaining ground beam of Bay 3 (allow access from TWSRW)	7	0	21-Jan-19 A	27-Apr-19 A		Noise Barrier NB67-1 - Remaining ground beam of Bay 3 (allow access from TWSRW)					
Link Road 2 (near Abutment AA1)												
FHI-LR2-2040	3SW-D/FR32 Bay 3213 (including temporary works)	35	0	11-Mar-19 A	20-Mar-19 A		3SW-D/FR32 Bay 3213 (including temporary works)					
FHI-LR2-2050	Road Pavement and Drainage next to Abutment (after completion of NB73 Bay 12&13 Stem Wall)	20	0	23-Mar-19 A	12-Apr-19 A		Road Pavement and Drainage next to Abutment (after completion of NB73 Bay 12&13 Stem Wall)					
FHI-LR2-2050	Road Formation, Road Drainage and Pavement (SMH1302 - 1303 & MY2.4 - 2.5) at grade	72	0	01-Mar-18 A	13-May-19 A		Road Formation, Road Drainage and Pavement (SMH1302 - 1303 & MY2.4 - 2.5) at grade					
FHW-SG-103f	Fabrication and Delivery of Sign Gantry DS11	99	0	28-Dec-17 A	18-May-19 A		Fabrication and Delivery of Sign Gantry DS11					
FHW-SG-104f	Erection of Sign Gantry FADS11 and DS64 (include On-site Fabrication)	15	0	20-Apr-19 A	20-May-19 A		Erection of Sign Gantry FADS11 and DS64 (include On-site Fabrication)					
Link Road 3 (near Abutment AD1)												
FHI-LR3-3020	Permanent Fill Slope, Construction of Gullies and Profile Barriers	48	0	25-Apr-18 A	18-May-19 A		Permanent Fill Slope, Construction of Gullies and Profile Barriers					
FHI-LR3-3030	Road Pavement	1	0	02-Mar-19 A	04-Mar-19 A		Road Pavement					
FHI-LR3-3040	Other Civil Works for TCSS duct laying - along Link Road 3	25	0	02-Apr-19 A	30-Apr-19 A		Other Civil Works					
Link Road 4 (near Abutment AC1)												
FHI-LR4-4030	Road Formation, Road Drainage, TCSS ducting and Pavement	55	0	27-Nov-17 A	29-Apr-19 A		Road Formation, Road Drainage, TCSS ducting and Pavement					
FHI-LR4-4040	Remaining Section of Carriageway connect to FLH	44	0	20-Mar-19 A	30-Apr-19 A		Remaining Section of Carriageway connect					
Viaduct - Pavement, Street Furnitures, Lighting inside Internal Voids and Others												
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		Other Street Furniture including Sign Gantry, NB, Handrail, traffic signs, etc, for Bridge A, B, C and D					
RS-1110	Final Pavement and Road Marking	12	0	01-Mar-19 A	19-Apr-19 A		Final Pavement and Road Marking					
WSD Works												
DN450 Fire Mains (CHA)												
WA-1010c	Pipe Laying - CHA 38 - 113 (DN450) near Ext. TWSRW, 20m	11	102	16-Apr-18 A	18-Sep-19	106	Pipe Laying - CHA 38 - 113 (DN450) near Ext. TWSRW, 20m					
WA-1020	Pipe Laying - CHA 113 - 135 (DN450) near Ext. TWSRW, 20m	102	102	20-May-19*	18-Sep-19	191	Pipe Laying - CHA 113 - 135 (DN450) near Ext. TWSRW, 20m					
WA-1030	Pipe Laying - CHA 135 - 160 (DN450) near Ext. TWSRW, 25m	19	102	18-Apr-18 A	18-Sep-19*	204	Pipe Laying - CHA 135 - 160 (DN450) near Ext. TWSRW, 25m					

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							Mar	Apr	May	Jun	Jul
UU-1010A	Utilities Duct Laying in Area 1, Phase2, CLP - 132kV(150mVA), approx.30m at interface section	16	12	10-Jan-18 A	01-Jun-19	171	Utilities Duct Laying in Area 1, Phase2, CLP - 132kV(150mVA), approx.30m at interface section, U				
UU-1010B	Utilities Duct Laying in Area 1, Phase2, Towngas - DN600, approx.20m at interface section	58	58	22-Jul-19	27-Sep-19	171					
UU-1030	Utilities Duct Laying in Area 3, Phase1 (along existing TWSRW, Approx. 150m) (by utilities undertakers)	7	7	20-May-19*	26-May-19	246	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	17-Jul-19	161	Utilities Duct Laying in Area 3, Ph				
UU-1040A	Utilities Duct Laying in Area 4, Phase2, Towngas - DN600 & DN400, approx. 50m (by their own TTA)	121	50	15-Sep-16 A	18-Jul-19	127	Utilities Duct Laying in Area 4, P				
UU-1040B	Utilities Duct Laying in Area 4, Phase2, CLP - 132kV(150mVA), approx. 50m (by their own TTA)	33	33	19-Jul-19	26-Aug-19	127					
Switch-Over of Existing Utilities											
UU-SO-2520	Switch-over Works (CLP 11kV)	16	16	20-May-19*	04-Jun-19	349	Switch-over Works (CLP 11kV)				
UU-SO-3500	Switch-over Works (Towngas, DN400)	30	30	19-Jul-19*	17-Aug-19	275					
Remaining Works for Noise Barrier along realigned TWSRW											
TWSRW-NB-14	Noise Barrier Steelworks & Panel for NB2 at Zone 5	15	15	21-Jun-19*	09-Jul-19	264	Noise Barrier Steelworks & Panel for NB2 at				
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-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 Zone 2 between CH270 and CH380											
At-Grade Roadworks											
TWSRE-2120	Road Pavement on Permanent Cycle Track	33	0	22-Mar-19 A	12-Apr-19 A		R				
TWSRE Zone 3 between CH380 and CH56											
At-Grade Roadworks											
TWSRE-3060	Road Pavement on Permanent Cycle Track	40	0	21-Mar-19 A	19-Apr-19 A		Road Pavement on Permanent Cycle Track				
Remaining Works for Noise Barrier along realigned TWSR East											
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);				
Landscaping & Establishment Works (KD-4, 4A, 5, 5A, 6)											
Section 3A - Landscaping Softworks in NBZ1											
S3A-1000	Transplant and Landscaping Softworks in NBZ1	50	0	14-Feb-19 A	29-Mar-19 A		Transplant and Landscaping Softworks in NBZ1				
Section 3 - Remainder of Landscaping Softworks Not Included in Section 3A											
S3-1000	Transplant and Landscaping Softworks on At grade Road	131	0	26-Mar-18 A	14-May-19 A		Transplant and Landscaping Softworks on At grade Road				
Section 4A: Establishment Works for Landscape Softworks under Section 3A											
S4A-1000	Establishment Works at NBZ1	365	365	23-Mar-19 A	18-May-20	-260					
Section 4: Establishment Works for Landscape Softworks under Section 3											
S4-1000	Establishment Works for Remaining Part of Site	365	365	13-Mar-19 A	18-May-20	-258					
Section 5: Preservation and Protection of Trees											
SS-1000	Preservation and Protection of Trees	0	0		20-May-19	-82	◆ Preservation and Protection of Trees				

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