

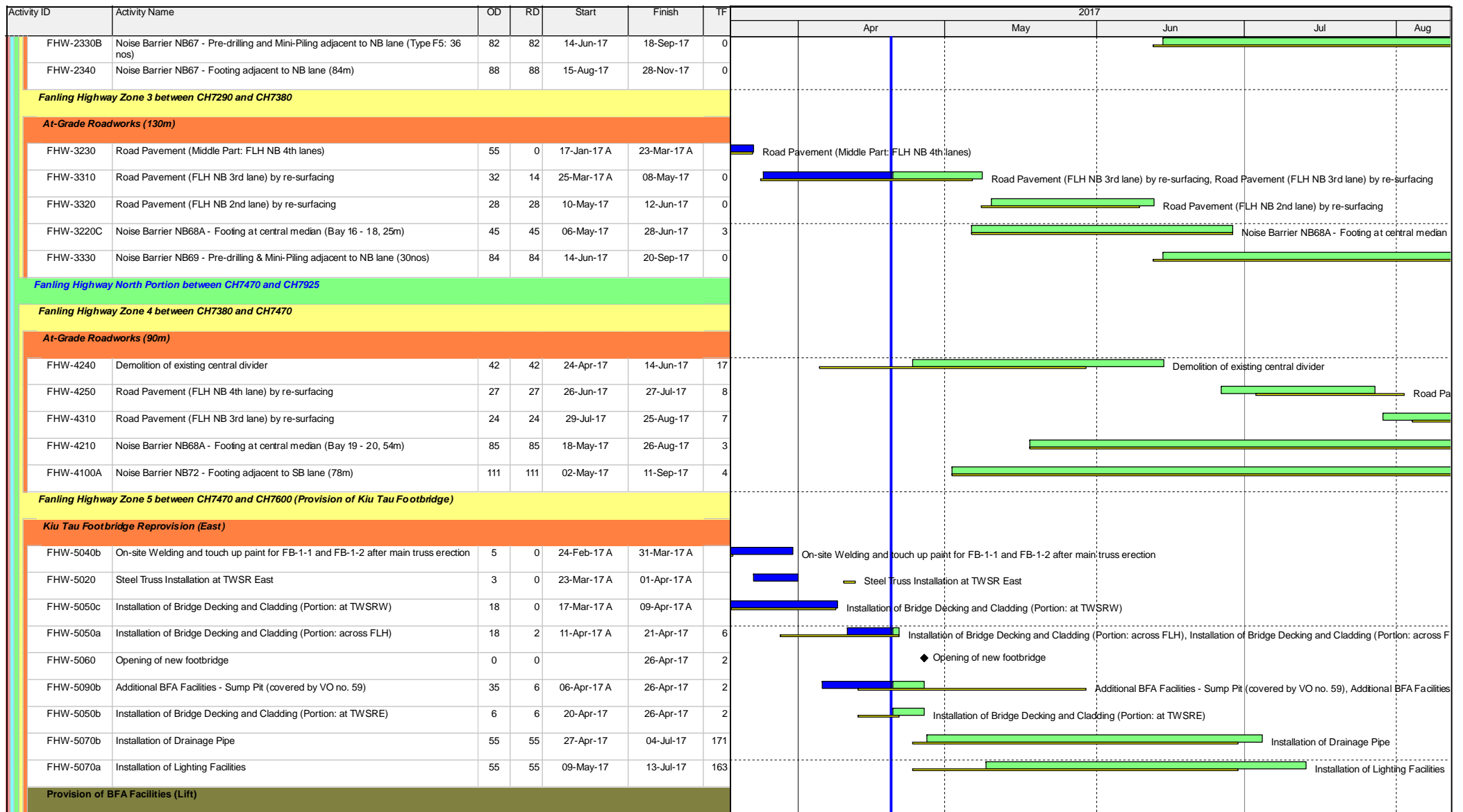
Appendix A

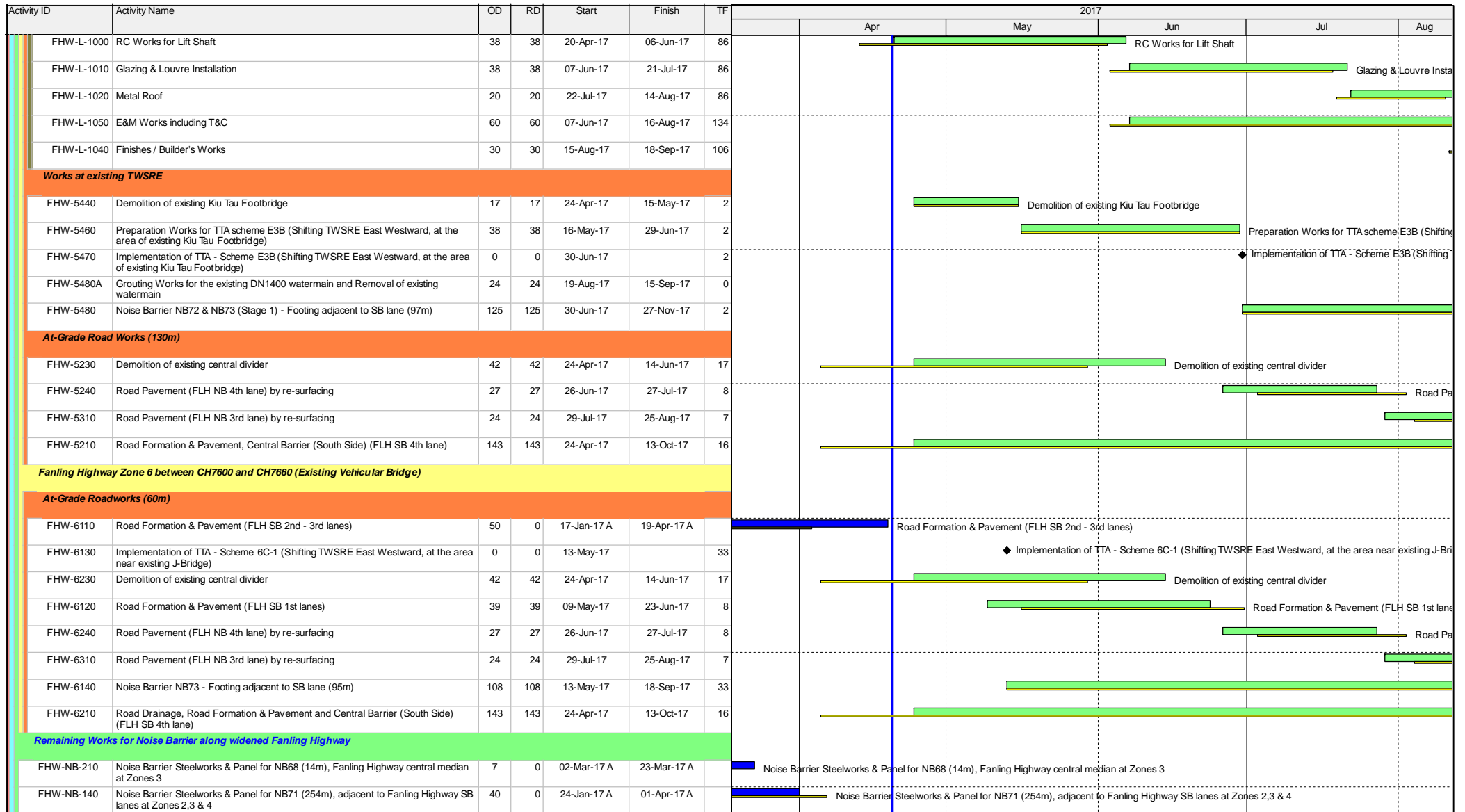
Construction Programme

Activity ID	Activity Name	OD	RD	Start	Finish	TF	2017					
							Apr	May	Jun	Jul	Aug	
3-Month Rolling Programme 2017-03-21 (Based on UMP05)												
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		20-Apr-17*	-139						
KD-0900	KD6A: Section 6 - All works in Portion FH9 of the Site but excluding works on the deck surfaces	0	0		21-Jul-17*	0						
KD-1200	KD9: Stage 1C - Completion of viaduct structures and associated civil provisions for TCSS and allow access for other	0	0		11-Aug-17*	0						
Key Dates (Forecast)												
KD-1405	KD11: Stage N4 - Completion of road widening of Fanling Highway within NBZ1 and allow access for HY/2012/06	0	0		12-Aug-17*	0						
Dependent Milestones from Other Contracts												
Related to South Buffer Zone												
MS-SBZ120	Shift existing FLHS SB Fast Lane to future FLH 4th Lane by FHW3 Contractor	0	0	25-Jul-17*		0						
MS-SBZ220	Shift existing TWSRW SB to permanent alignment by FHW3 Contractor	0	0	31-Jul-17*		0						
MS-SBZ150	Shift existing FLHS NB 3 lanes westward by FHW3 Contractor	0	0	03-Aug-17*		0						
Major Milestones and Events												
MS-0310	Demolition of the whole Kiu Tau Vehicular Bridge	0	0		22-Mar-17 A							
MS-1080a	T8a: TTA to shift FLH NB Fast Lane to the Permanent Alignment (4th lane) (South Portion)	1	0	24-Mar-17 A	24-Mar-17 A							
MS-1060a	T6a: TTA to shift FLH SB eastward (shift 2 Lanes) (North Portion)	1	1	23-Apr-17*	23-Apr-17	21						
MS-1080b	T8b: TTA to shift FLH NB Middle Lane to the Permanent Alignment (3rd lane) (South Portion)	1	1	09-May-17	09-May-17	0						
MS-1080c	T8c: TTA to shift FLH NB Slow Lane to the Permanent Alignment (2nd lane) (South Portion)	1	1	13-Jun-17	13-Jun-17	0						
MS-1060b	T6b: TTA to shift FLH SB eastward (shift 3 Lanes) (North Portion)	1	1	24-Jun-17	24-Jun-17	11						
MS-1180d	T8d: TTA to shift FLH NB Fast Lane to the Permanent Alignment (4th lane) (North Portion)	1	1	28-Jul-17	28-Jul-17	9						
MS-1090a	T9a: TTA to shift FLHS NB westward (shift 3 lanes), within SBZ	1	1	03-Aug-17	03-Aug-17	3						
MS-1070b	T7b: TTA to shift FLH SB Fast Lane to the Permanent Alignment (4th lane), within SBZ	1	1	08-Aug-17	08-Aug-17	23						
Major Procurement & Delivery												
Footbridge Steel Truss												
MM-3040	On-Site Welding for Steel Truss (TWSRE)	20	0	11-Mar-17 A	22-Mar-17 A							
Lift for New Kiu Tau Footbridge												
MM-4000	Procurement, Fabrication and delivery of Lift	120	120	06-May-17	02-Sep-17	85						
Design and Submissions												
Statutory Approval												

Activity ID	Activity Name	OD	RD	Start	Finish	TF	2017				
							Apr	May	Jun	Jul	Aug
PRE-1280	Consent for pre-drilling and mini-piling works within WSD Tau Pass Restrictd Zone -WSD	60	0	03-Oct-16 A	27-Mar-17 A		Consent for pre-drilling and mini-piling works within WSD Tau Pass Restrictd Zone -WSD				
PRE-1410	Approval of Lift for BFA for new Kiu Tau Footbridge - HyD	60	12	27-Jul-16 A	05-May-17	71	Approval of Lift for BFA for new Kiu Tau Footbridge - HyD, Approval of Lift for BFA for new Kiu Tau Footbridge -				
PRE-1060	Submission & approval of CDIA report for temporary works on nullah for construction of new retaining wall 3SW-D/FR32	90	90	02-May-17*	17-Aug-17	62					
Design Confirmation											
PRE-1590	Confirmation of Noise Barrier Footing Design (NB70) and associated watermain diversion works	0	0		20-Apr-17*	9	Confirmation of Noise Barrier Footing Design (NB70) and associated watermain diversion works				
PRE-1600	Confirmation of construction details of FL/C2 to cater for existing wall	0	0		31-May-17*	71	Confirmation of construction details of FL/C2 to cater for existing wall				
Method Statement and Design (Major) Approved by AECOM											
PRE-2030	Submission of E&M design for lighting of Kiu Tau Footbridge	60	14	05-Sep-16 A	08-May-17	163	Submission of E&M design for lighting of Kiu Tau Footbridge, Submission of E&M design for lighting of Kiu Tau				
PRE-2040	Submission of E&M design for lighting inside viaduct structures of Bridge A, B, C & D	60	14	01-Apr-16 A	08-May-17	35	Submission of E&M design for lighting inside viaduct structures of Bridge A, B, C & D, Submission of E&M de				
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-1230	Road Formation (Middle Part: FLH NB Fast lanes), except CH.6935 - CH.7035	50	0	17-Jan-17 A	23-Mar-17 A		Road Formation (Middle Part: FLH NB Fast lanes), except CH.6935 - CH.7035				
FHW-1150	Road Formation and Temporary Road Pavement (FLH SB 1st lane)	48	0	19-Jan-17 A	01-Apr-17 A		Road Formation and Temporary Road Pavement (FLH SB 1st lane)				
FHW-1220b	Noise Barrier NB68 - Footing at central median (Bay 1 - 3, 63m)	68	19	05-Dec-16 A	13-May-17	4	Noise Barrier NB68 - Footing at central median (Bay 1 - 3, 63m), Noise Barrier NB68 - Footing at cent				
FHW-1140a	Watermain diversion for construction of NB70	55	55	20-Apr-17	26-Jun-17	9	Watermain diversion for construction of NB70				
FHW-1310	Remaining Road Drainage, Road Formation & Temporary Road Pavement (FLH NB 1st lane)	35	35	22-Jun-17	02-Aug-17	3	Remaining Road Drainage, Road Formation & Temporary Road Pavement (FLH NB 1st lane)				
FHW-1160	Road Drainage, Road Formation & Pavement (FLH SB 4th lane)	90	90	20-Apr-17	07-Aug-17	20	Road Drainage, Road Formation & Pavement (FLH SB 4th lane)				
FHW-1140b	Noise Barrier NB70 - Footing adjacent to SB lane (30m)	70	70	27-Jun-17	16-Sep-17	9	Noise Barrier NB70 - Footing adjacent to SB lane (30m)				
FHW-1170	Road Pavement (FLH SB 3rd lane) by re-surfacing	45	45	09-Aug-17	29-Sep-17	20	Road Pavement (FLH SB 3rd lane) by re-surfacing				
FHW-1320	Road Formation & Pavement, Central Barrier (FLH NB 4th lane)	50	50	04-Aug-17	30-Sep-17	2	Road Formation & Pavement, Central Barrier (FLH NB 4th lane)				
Fanling Highway Zone 2 between CH7130 and CH7290											
At-Grade Roadworks (160m)											
FHW-2230	Road Pavement (Middle Part: FLH NB 4th lanes)	50	0	17-Jan-17 A	23-Mar-17 A		Road Pavement (Middle Part: FLH NB 4th lanes)				
FHW-2360	Temporary Platform for Mini-Pile Installation Works within WSD Restriction Zone	12	0	28-Mar-17 A	11-Apr-17 A		Temporary Platform for Mini-Pile Installation Works within WSD Restriction Zone				
FHW-2310	Road Pavement (FLH NB 3rd lane) by re-surfacing	32	14	25-Mar-17 A	08-May-17	0	Road Pavement (FLH NB 3rd lane) by re-surfacing, Road Pavement (FLH NB 3rd lane) by re-surfacing				
FHW-2320	Road Pavement (FLH NB 2nd lane) by re-surfacing	28	28	10-May-17	12-Jun-17	0	Road Pavement (FLH NB 2nd lane) by re-surfacing				
FHW-2330A	Noise Barrier NB67 - Pre-drilling and Mini-Piling adjacent to NB lane within WSD Restriction Zone (Type ID4-1A: 22 nos)	70	67	13-Apr-17 A	11-Jul-17	29	Noise Barrier NB67 - Pre-drilling and Mini-Piling adjacent to NB lane within WSD Restriction Zone (Type ID4-1A: 22 nos)				

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							Apr	May	Jun	Jul	Aug
FHW-NB-220	Noise Barrier Steelworks & Panel for NB68 (63m), Fanling Highway central median at Zones 1	13	13	15-May-17	29-May-17	78					
FHW-NB-230	Noise Barrier Steelworks & Panel for NB68A (225m), Fanling Highway central median at Zones 2 & 3	12	46	02-Mar-17 A	15-Jun-17	193					
Section II - Remainder of the Works (KD-3)											
At Grade Link Road at Fanling Highway Interchange											
Link Road 1 (near Abutment AB1)											
FHI-LR1-1200	Completion of Segment Erection Works at TWSRW	0	0		16-May-17	676					
FHI-LR1-1030	Noise Barrier NB66 - Footing adjacent NB lane (50m long, Bay 1 - Bay 4)	90	51	02-Mar-17 A	21-Jun-17	3					
FHI-LR1-1070	Noise Barrier NB67 - Pre-drilling & Mini-Piling (Cap 10-20 for raking piles, 26no.)	106	59	20-Feb-17 A	30-Jun-17	45					
FHI-LR1-1000	Completion of Realigned TWSR West and divert traffic onto the new carriageway (Stage S13)	0	0		31-Jul-17	19					
FHI-LR1-1040	Noise Barrier NB66 - Footing adjacent NB lane (24m long, Bay 5 - Bay 6)	54	54	22-Jun-17	24-Aug-17	49					
FHI-LR1-1320	Construction of Footing of sign gantry DS1	56	56	03-Jul-17	05-Sep-17	117					
FHI-LR1-1080	Noise Barrier NB67 - Footing (96m) (Bay 4 - Bay 11)	95	95	20-May-17	09-Sep-17	45					
FHI-LR1-1050	Noise Barrier NB67 - Pre-drilling & Mini-Piling (Cap 1-9 for raking piles, 18no.)	53	53	01-Aug-17	30-Sep-17	19					
FHI-LR1-1020	Construction of Retaining Wall beside Abutment AB1 and filling work	156	156	17-May-17	20-Nov-17	1					
Link Road 2 (near Abutment AA1)											
FHI-LR2-2000	Completion of Demolition of Existing Vehicular Bridge	0	0		22-Mar-17 A						
FHI-LR2-2040a	Footing of Sign Gantry FADS11	14	0	23-Mar-17 A	06-Apr-17 A						
FHI-LR2-2040c	Footing of Sign Gantry DS11	14	14	20-Apr-17	08-May-17	8					
FHI-LR2-2040b	Road Formation, Road Drainage, Kerb (SMH1302 - 1303 & MY2.4 - 2.5)	45	45	20-Apr-17	14-Jun-17	16					
FHI-LR2-2020	Construction of Retaining Wall beside Abutment AA1	120	120	27-Apr-17	18-Sep-17	33					
Link Road 3 (near Abutment AD1)											
FHI-LR3-3020	Construction of Retaining Wall beside Abutment AD1	120	120	19-Jun-17*	09-Nov-17	1					
Link Road 4 (near Abutment AC1)											
FHI-LR4-4020	Construction of Retaining Wall beside Abutment AC1	120	120	27-Apr-17*	18-Sep-17	8					
WSD Works											
DN450 Fire Mains (CHA)											
WA-3010b	Pipe Laying - CHA 705 - 720 (DN450) (saw-cut) along Ext. TWSR West SB, 15m (Disrupted by Ching Ming Festival)	37	37	20-Apr-17*	05-Jun-17	22					
WA-2010	Pipe Laying - CHA 460 - 508 (DN450) along Ext. TWSR West NB, 48m	188	58	01-Sep-16 A	29-Jun-17	113					
WA-1010	Pipe Laying - CHA 0 - 55 (DN450) near Ext. TWSR West, 55m	48	48	08-May-17	04-Jul-17	22					

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							Apr	May	Jun	Jul	Aug
WA-1130	Pipe Laying - CHA 315 - 385 (DN450) near Ext. TWSR West, 70m	47	47	17-May-17*	12-Jul-17	18					
WA-2080	Pipe Laying - CHA 625 - 675 (DN450) along Ext. TWSR West SB, 50m	40	40	06-Jun-17	22-Jul-17	22					
WA-2060	Pipe Laying - CHA 590 - 625 (DN450) along Ext. TWSR West SB, 35m	32	32	24-Jul-17	29-Aug-17	22					
WA-1120	Pipe Laying - CHA 270 - 315 (DN450) near Ext. TWSR West, 45m	47	47	01-Aug-17	23-Sep-17	2					
DN600 Water Mains (CHB)											
WB-1030C	Pipe Laying - CHB 410 - 430 (DN600), 20m, from IT inspection tee chamber to Pier AB7	24	24	28-Apr-17	27-May-17	10					
WB-1050	Pipe Laying - CHB 455 - 510 (DN600), 55m, from combined valve chamber to Realigned TWSR East	28	28	11-May-17	13-Jun-17	148					
WB-1040	Pipe Laying - CHB 430 - 455 (DN600), 25m, from Pier AB7 to combined valve chamber	28	28	14-Jun-17	17-Jul-17	148					
DN1200 Water Mains (CHC)											
WC-1090C	Pipe Laying - CHC 660 - 705 (DN1200), 45m, from IT inspection tee chamber to combined valve chamber	24	24	28-Apr-17	27-May-17	10					
WC-1000B	Pipe Laying - CHC 0 - 70 (DN1200) near Realigned TWSR West (TW SRW: CH100-155), 70m long & 3m depth	45	45	10-May-17	03-Jul-17	5					
WC-1090B	Pipe Laying - CHC 610 - 660 (DN1200), 50m, from TWSRE to IT inspection tee chamber	50	50	23-Jun-17	21-Aug-17	68					
Twin DN1400 Water Mains (CHE & CHG)											
WE-1060a	Pipe Laying - CHG 280 - 325 (Twin DN1400) from Portal AB7/AD9/AC12 to combined valve chamber	33	7	09-Mar-17 A	27-Apr-17	10					
WE-1060b	Pipe Laying - CHE 280 - 325 (Twin DN1400) from Portal AB7/AD9/AC12 to combined valve chamber	38	25	06-Apr-17 A	20-May-17	58					
WE-1050	Pipe Laying - CHE & CHG 260 - 280 (Twin DN1400) near Pier AD8	28	28	28-Apr-17	02-Jun-17	12					
WE-1040	Pipe Laying - CHE & CHG 220 - 260 (Twin DN1400) near Pier AA4	43	43	25-Apr-17*	16-Jun-17	0					
WE-3010A	Pipe Cleaning for CHE (Stage 2 Diversion)	8	8	17-Jun-17	26-Jun-17	36					
WE-1080	Construction of combined valve chamber with MBV installation	109	59	25-Jan-17 A	30-Jun-17	5					
WE-3020A	Pressure Test for CHE (Stage 2 Diversion)	7	7	27-Jun-17	05-Jul-17	36					
WE-3010B	Pipe Cleaning for CHG (Stage 2 Diversion)	17	17	17-Jun-17	07-Jul-17	0					
WE-3020B	Pressure Test for CHG (Stage 2 Diversion)	7	7	08-Jul-17	15-Jul-17	0					
WE-3040B	CCTV Inspection and Sterilization for CHG (Stage 2 Diversion)	11	11	17-Jul-17	28-Jul-17	0					
WE-3050B	Connection to Existing Mains (CHG) (Stage 2 Diversion)	4	4	29-Jul-17	02-Aug-17	0					
WE-3030A	Installation of Connecting Pipe at ID5 (CHE)	4	4	03-Aug-17	07-Aug-17	8					
WE-3040A	CCTV Inspection and Sterilization for CHE (Stage 2 Diversion)	12	12	08-Aug-17	21-Aug-17	8					
DN2200 Water Mains (CHF)											
WF-1000B	Construction of Launching Pit (Pit 2) for DN2200 (CHF), Section 1 (near Pier AB3)	33	0	17-Mar-17 A	11-Apr-17 A						
WF-1000A	Construction of Receiving Pit (Pit 1) for DN2200 (CHF), Section 1 (near Pier AA8)	21	9	27-Mar-17 A	29-Apr-17	33					

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							Apr	May	Jun	Jul	Aug
WF-1050 A	Construction of Launching Pit (Pit 3) for DN2200 (CHF), Section 3 (near Pier AA7)	33	22	03-Apr-17 A	17-May-17	56	Construction of Launching Pit (Pit 3) for DN2200 (CHF), Section 3 (near Pier AA7), Construction				
WF-1050 B	Construction of Receiving Pit (Pit 4) for DN2200 (CHF), Section 3 (near FLH NB)	30	25	25-Mar-17 A	20-May-17	58	Construction of Receiving Pit (Pit 4) for DN2200 (CHF)				
WF-1080	Trench Excavation from Pit 4 to Connection Point near FLH NB, Section 4	36	36	14-Jun-17	26-Jul-17	49					
WF-1100	Expose existing DN2200 bend block	18	18	11-Jul-17	31-Jul-17	49					
WF-1060	Excavation - CHF 73 - 91 (DN2200) across Box Culvert BC01 by Trenchless Method, 18m long	60	60	24-May-17	03-Aug-17	56					
WF-1010	Excavation - CHF 9 - 54 (DN2200) across ext. TWSRW by Trenchless Method, 45m long	115	115	20-Apr-17	05-Sep-17	28					
WF-1070	Pipe Laying - CHF 73 - 91 (DN2200) across Box Culvert BC01 & associated Grouting Works, 18m long	38	38	04-Aug-17	16-Sep-17	56					
WF-1110	Trimming existing bend block	60	60	01-Aug-17	11-Oct-17	49					
DN1400 Water Mains (CHK & CHKA)											
WK-2010	Pressure Test for CHK/CHKA	7	7	17-Jun-17	24-Jun-17	172					
WK-2020	Cleaning & CCTV Inspection for CHK/CHKA	8	8	26-Jun-17	05-Jul-17	172					
Existing Nam Wa Po Trunk Sewage Pumping Station (PST3)											
PS-1010	Construction of New Boundary Wall for Pumping Station (PST3)	80	137	25-Nov-16 A	30-Sep-17	102					
Stage 1A - Realignment of Tai Wo Service Road West (KD-7)											
TWSRW Zone 4 between CH315 and CH376											
Construction of Bridge E											
TWSRW-4100C	Construction of Gabion Wall and Remaining Slope Reinstatement Works	68	9	03-Jan-17 A	29-Apr-17	230	Construction of Gabion Wall and Remaining Slope Reinstatement Works, Construction of Gabion Wall and Remaining S				
TWSRW Zone 5 between CH376 and CH520											
Construction of Retaining Structures											
TWSRW-5150	Slope Works for FL-C2 near Retaining Wall FL/RW4	60	60	01-Jun-17	10-Aug-17	71					
TWSRW-5120	Remaining works incl. railing, u-channel on top of Bored Pile Wall	50	50	24-Jul-17	19-Sep-17	112					
At-Grade Roadworks											
TWSRW-5120A	Filling Works between Retaining Wall RW7 and RW8	192	19	07-Jun-16 A	13-May-17	37	Filling Works between Retaining Wall RW7 and RW8, Filling Works between Retaining Wall RW7 and				
TWSRW-5120B	Permanent Vehicular Access to Lot 81 (incl. filling works behind retaining wall RW8)	58	58	15-May-17	22-Jul-17	37	Permanent Vehicular				
TWSRW-5170b	Construction of Pavilion (covered by VO No.137)	75	75	11-Aug-17	09-Nov-17	71					
TWSRW-5160	Construction of Extended Podium near RW7 incl. filling works & slope protection (covered by VO No.100)	85	186	27-Oct-16 A	30-Nov-17	53					
Remainder of the Works											
Utilities Laying Works											
UU-1030A	Utilities Duct Laying in Area 3, Phase 2, CLP - 132kV(150mVA), approx. 30m	27	27	17-May-17	17-Jun-17	552	Utilities Duct Laying in Area 3, Phase 2, CLP - 132kV(150mVA)				

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							Apr	May	Jun	Jul	Aug
KS-A-1100	Erection AA10K11 and stitching works	12	0	17-Mar-17 A	29-Mar-17 A						
KS-B-1020	Erection AB2K3 and stitching works	12	0	21-Mar-17 A	05-Apr-17 A						
KS-A-1090	Erection AA9K10 and stitching works	12	0	05-Jan-17 A	12-Apr-17 A						
KS-A-1080	Erection AA8K9 and stitching works	12	5	25-Mar-17 A	25-Apr-17	5					
KS-A-1070	Erection AA7K8 and stitching works	12	12	08-Apr-17 A	05-May-17	36					
KS-B-1030	Erection AB3K4 and stitching works	12	12	24-Apr-17	09-May-17	6					
KS-A-1020	Erection AA2K3 and stitching works	12	12	26-Apr-17	11-May-17	5					
KS-A-1010	Stitching Works between AA1 End Span and AA2	6	6	12-May-17	18-May-17	5					
KS-B-1010	Stitching Works between AB1 End Span and AB2	6	6	17-May-17	23-May-17	0					
KS-B-1040	Erection AB4K5 and stitching works	12	12	19-May-17	02-Jun-17	5					
KS-A-1050	Erection AA5K6 and stitching works	12	12	10-Jun-17	23-Jun-17	7					
KS-A-1060	Erection AA6K7 and stitching works	12	12	10-Jun-17	23-Jun-17	7					
Key Segment Erection and Stitch Casting (Narrow-box Section)											
KS-B-1100A	Stitching Works between AB10W and AB11W	12	9	10-Apr-17 A	29-Apr-17	-94					
KS-B-1100B	Stitching Works between AB10E and AB11E	12	12	06-May-17	19-May-17	-94					
KS-D-1120A	Stitching Works between AD12W and AD13W	12	12	20-Jun-17	04-Jul-17	-80					
KS-D-1120B	Stitching Works between AD12E and AD13E	12	12	20-Jun-17	04-Jul-17	-80					
KS-B-1110A	Stitching Works between AB11W and AB12W End Span	12	12	22-Jun-17	06-Jul-17	-121					
KS-B-1110B	Stitching Works between AB11E and AB12E End Span	12	12	11-Jul-17	24-Jul-17	-121					
KS-D-1100A	Erection AD10WK11 and stitching works	12	12	01-Aug-17	14-Aug-17	-115					
KS-D-1100B	Erection AD10EK11 and stitching works	12	12	01-Aug-17	14-Aug-17	-115					
KS-D-1110A	Stitching Works between AD11W and AD12W	12	12	01-Aug-17	14-Aug-17	-115					
KS-D-1110B	Stitching Works between AD11E and AD12E	12	12	01-Aug-17	14-Aug-17	-115					
KS-D-1130A	Stitching Works between AD13W and AD14W End Span	12	12	08-Aug-17	21-Aug-17	-121					
KS-D-1130B	Stitching Works between AD13E and AD14E End Span	12	12	08-Aug-17	21-Aug-17	-121					
Major Works on Deck Surfaces											
Permanent External Tendon Stressing Works											
PP-D-1020	Permanent Prestressing for Bridge D (AD5-AD8W)	21	0	13-Feb-17 A	06-Apr-17 A						
PP-C-1030	Permanent Prestressing for Bridge C (AC8-AC11)	17	0	17-Mar-17 A	07-Apr-17 A						

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