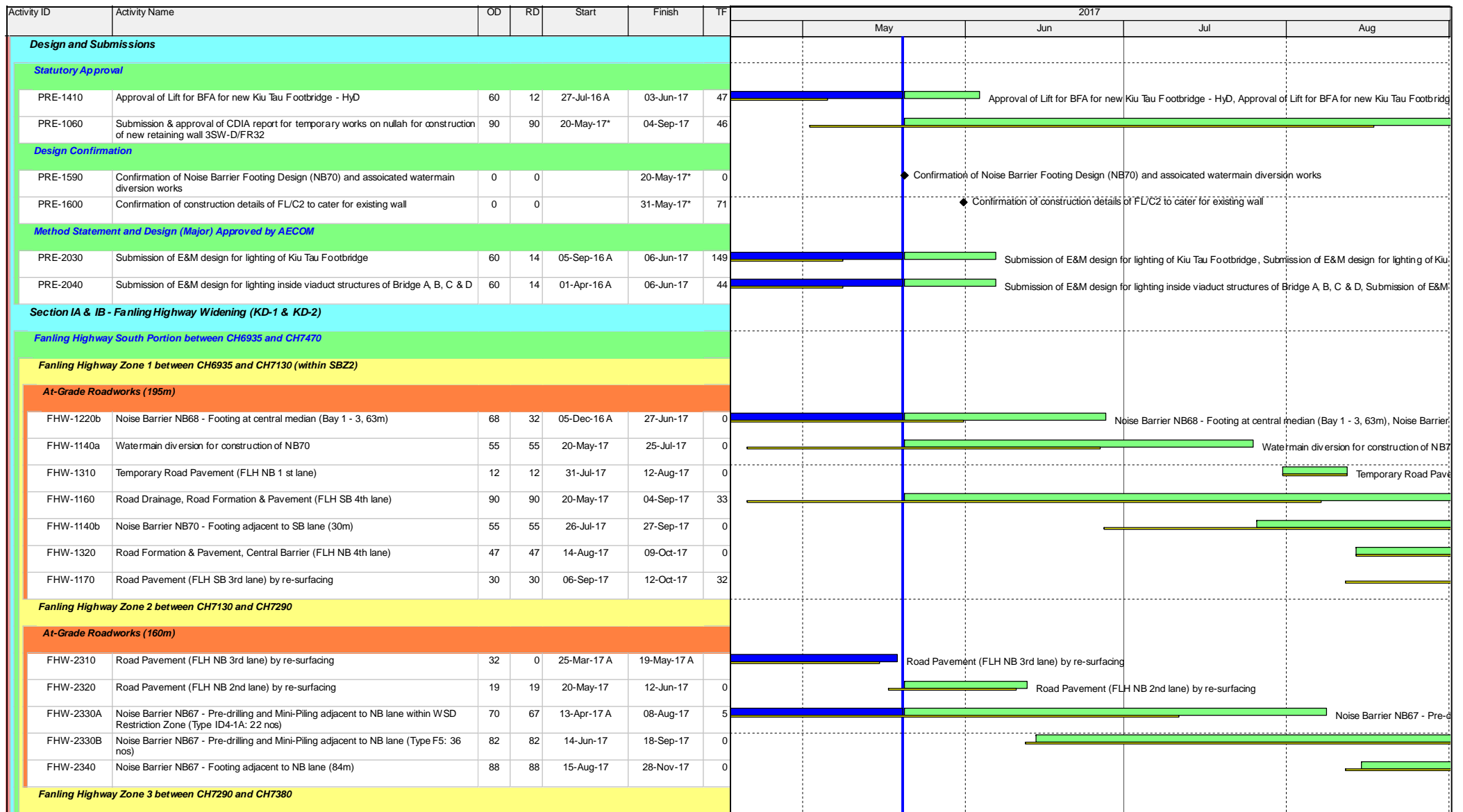


# **Appendix A**

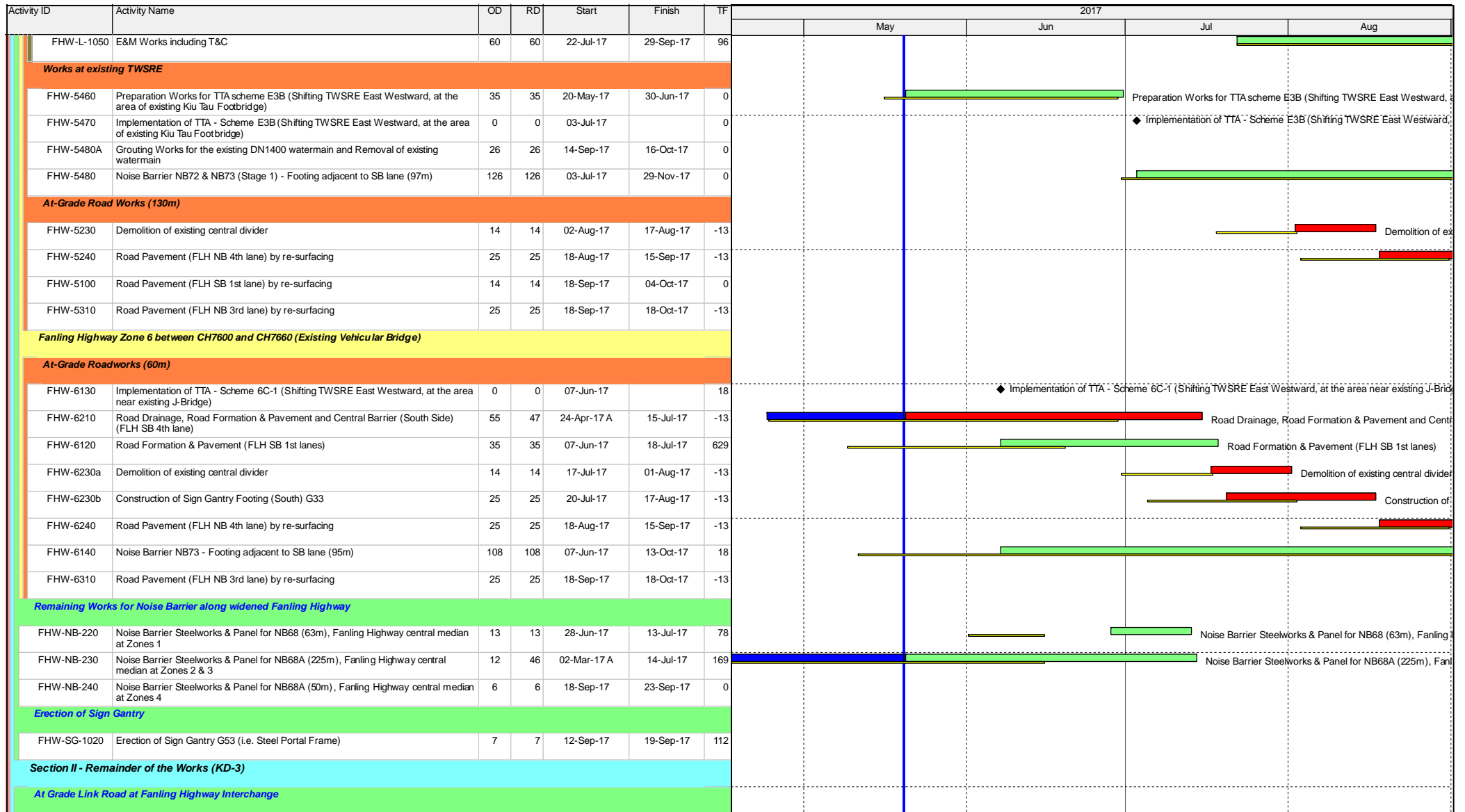
## **Construction Programme**

Activity ID	Activity Name	OD	RD	Start	Finish	TF	2017			
							May	Jun	Jul	Aug
<b>3-Month Rolling Programme 2017-05-21 (Based on UMP05C)</b>										
<b>Key Dates (Contractual)</b>										
KD-1300	KD10: Stage S4 - Completion of road widening of Fanling Highway within SBZ2 and allow access for HY/2012/06	0	0		20-May-17*	-169	◆ KD10: Stage S4 - Completion of road widening of Fanling Highway within SBZ2 and allow access for HY/2012/06			
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			◆ KD6A: Section 6 - All works in Portion FH9 of the	
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				◆ KD9: Stage 1C - Comp
KD-1400	KD11: Stage N4 - Completion of road widening of Fanling Highway within NBZ1 and allow access for HY/2012/06	0	0		12-Sep-17*	0				
<b>Key Dates (Forecast)</b>										
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				◆ KD11: Stage N4 - Con
KD-0905	KD6A: Section 6 - All works in Portion FH9 of the Site but excluding works on the deck surfaces	0	0		15-Sep-17	-56				
<b>Dependent Milestones from Other Contracts</b>										
<b>Related to South Buffer Zone</b>										
MS-SBZ110	Shift existing FLHS SB 3 lanes eastward by FHW3 Contractor	0	0	20-Apr-17 A			◆ Shift existing FLHS SB 3 lanes eastward by FHW3 Contractor			
MS-SBZ220	Shift existing TWSRW SB to permanent alignment by FHW3 Contractor	0	0	31-Jul-17*		0			◆ Shift existing TWSRW SB to perman	
MS-SBZ120	Shift existing FLHS SB Fast Lane to future FLH 4th Lane by FHW3 Contractor	0	0	11-Aug-17*		0			◆ Shift existing FLHS SB F	
MS-SBZ150	Shift existing FLHS NB 3 lanes westward by FHW3 Contractor	0	0	13-Aug-17*		0			◆ Shift existing FLHS N	
MS-SBZ130	Shift existing FLHS SB Middle Lane to future FLH 3rd Lane by FHW3 Contractor	0	0	16-Sep-17*		0				
<b>Major Milestones and Events</b>										
MS-1070a	T7a: TTA to shift FLHS SB eastward (shift 3 lanes), within SBZ	1	0	20-Apr-17 A	20-Apr-17 A		T7a: TTA to shift FLHS SB eastward (shift 3 lanes), within SBZ			
MS-1060a	T6a: TTA to shift FLH SB eastward (shift 2 lanes) (North Portion)	1	0	23-Apr-17 A	23-Apr-17 A		T6a: TTA to shift FLH SB eastward (shift 2 lanes) (North Portion)			
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			■ T8c: TTA to shift FLH NB Slow Lane to the Permanent Alignment (2nd lane) (South Portion)	
MS-1060c	T6c: TTA to shift FLH SB Fast Lane eastward (North Portion)	1	1	17-Jul-17	17-Jul-17	14			■ T6c: TTA to shift FLH SB Fast Lane eastward (North P	
MS-1090a	T9a: TTA to shift FLHS NB westward (shift 3 lanes), within SBZ	1	1	13-Aug-17	13-Aug-17	0			■ T9a: TTA to shift FLH	
MS-0220	Commissioning of the diverted twin DN1400 Dong Jiang Watermains (Stage 2)	0	0		05-Sep-17*	0				
MS-1070b	T7b: TTA to shift FLH SB Fast Lane to the Permanent Alignment (4th lane), within SBZ	1	1	05-Sep-17	05-Sep-17	40				
MS-1180d	T8d: TTA to shift FLH NB Fast Lane to the Permanent Alignment (4th lane) (North Portion)	1	1	16-Sep-17	16-Sep-17	-15				
MS-0320	Commissioning of re-aligned TWSRE	0	0	18-Sep-17		0				
<b>Major Procurement &amp; Delivery</b>										
<b>Lift for New Kiu Tau Footbridge</b>										
MM-4000	Procurement, Fabrication and delivery of Lift	120	120	04-Jun-17	01-Oct-17	56				



Activity ID	Activity Name	OD	RD	Start	Finish	TF	2017			
							May	Jun	Jul	Aug
<b>At-Grade Roadworks (130m)</b>										
FHW-3310	Road Pavement (FLH NB 3rd lane) by re-surfacing	32	0	25-Mar-17 A	19-May-17 A					
FHW-3320	Road Pavement (FLH NB 2nd lane) by re-surfacing	19	19	20-May-17	12-Jun-17	0				
FHW-3220C	Noise Barrier NB68A - Footing at central median (Bay 16 - 18, 25m)	55	41	04-May-17 A	08-Jul-17	9				
FHW-3330b	Noise Barrier NB69 - Pre-drilling & Mini-Piling adjacent to NB lane (25nos)	84	84	14-Jun-17	20-Sep-17	0				
FHW-3340	Noise Barrier NB69 - Footing adjacent to NB lane (108m)	77	77	28-Aug-17	28-Nov-17	0				
<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-4240	Demolition of existing central divider	14	14	02-Aug-17	17-Aug-17	-13				
FHW-4250	Road Pavement (FLH NB 4th lane) by re-surfacing	25	25	18-Aug-17	15-Sep-17	-13				
FHW-4210	Noise Barrier NB68A - Footing at central median (Bay 19 - 20, 54m)	86	86	08-Jun-17	16-Sep-17	0				
FHW-4100A	Noise Barrier NB72 - Footing adjacent to SB lane (78m)	88	88	16-Jun-17*	27-Sep-17	0				
FHW-4310	Road Pavement (FLH NB 3rd lane) by re-surfacing	25	25	18-Sep-17	18-Oct-17	-13				
FHW-4100B	Noise Barrier NB72 - Footing adjacent to SB lane (12m), access of TWSRE	50	50	18-Sep-17	17-Nov-17	29				
<b>Fanling Highway Zone 5 between CH7470 and CH7600 (Provision of Kiu Tau Footbridge)</b>										
<b>Kiu Tau Footbridge Reprovision (East)</b>										
FHW-5090b	Additional BFA Facilities - Sump Pit (covered by VO no. 59)	35	0	06-Apr-17 A	29-Apr-17 A					
FHW-5050a2	Installation of Roofing (Portion: across FLH)	18	0	10-Apr-17 A	07-May-17 A					
FHW-5050b2	Installation of Roofing (Portion: at TWSRE)	18	0	03-May-17 A	07-May-17 A					
FHW-5060	Opening of new footbridge	0	0		12-May-17 A					
FHW-5070b	Installation of Drainage Pipe	30	30	20-May-17	24-Jun-17	88				
FHW-5070c	Laying of Floor Tiles	45	45	26-Jun-17	17-Aug-17	88				
FHW-5070a	Installation of Lighting Facilities	45	45	18-Aug-17	11-Oct-17	88				
FHW-5070d	Installation of Suspended Ceiling	45	45	18-Aug-17	11-Oct-17	88				
<b>Provision of BFA Facilities (Lift)</b>										
FHW-L-1000	RC Works for Lift Shaft	38	38	07-Jun-17	21-Jul-17	48				
FHW-L-1010	Glazing & Louvre Installation	38	38	22-Jul-17	04-Sep-17	48				
FHW-L-1020	Metal Roof	20	20	05-Sep-17	27-Sep-17	48				

Date	Revision	Checked	Approved
21-May-17	Rev.1	SL	



Activity ID	Activity Name	OD	RD	Start	Finish	TF	2017			
							May	Jun	Jul	Aug
<b>Link Road 1 (near Abutment AB1)</b>										
FHI-LR1-1010	Completion of Abutment AB1	0	0		20-May-17	13	◆	Completion of Abutment AB1		
FHI-LR1-1200	Completion of Segment Erection Works at TWSRW	0	0		20-May-17	678	◆	Completion of Segment Erection Works at TWSRW		
FHI-LR1-1030	Noise Barrier NB66 - Footing adjacent NB lane (38m long, Bay 1 - Bay 4)	90	47	02-Mar-17 A	15-Jul-17	0				Noise Barrier NB66 - Footing adjacent NB lane (38m long)
FHI-LR1-1210	Road Pavement Works for Future SB of TWSRW	14	14	14-Jul-17	29-Jul-17	0				Road Pavement Works for Future SB of TWSRW
FHI-LR1-1000	Completion of Realigned TWSR West and divert traffic onto the new carriageway (Stage S13)	0	0		31-Jul-17	14			◆	Completion of Realigned TWSR West
FHI-LR1-1040a	Noise Barrier NB66 - Pre-drilling & Mini-Piling (Cap 1-9 with 18 piles)	54	71	07-Apr-17 A	12-Aug-17	43				Noise Barrier NB66 - Pre-drilling & Mini-Piling
FHI-LR1-1070	Noise Barrier NB67 - Pre-drilling & Mini-Piling (Cap 10-20 for raking piles, 26no.)	106	74	20-Feb-17 A	16-Aug-17	16				Noise Barrier NB67 - Pre-drilling & Mini-Piling
FHI-LR1-1040a	Noise Barrier NB66 - Footing adjacent NB lane (24m long, Bay 5 - Bay 6)	66	66	10-Jul-17	23-Sep-17	43				Noise Barrier NB66 - Footing adjacent NB lane
FHI-LR1-1050	Noise Barrier NB67 - Pre-drilling & Mini-Piling (Cap 1-9 for raking piles, 18no.)	58	58	01-Aug-17	09-Oct-17	14				Noise Barrier NB67 - Pre-drilling & Mini-Piling
FHI-LR1-1320	Construction of Footing of sign gantry DS1	56	56	17-Aug-17	23-Oct-17	78				Construction of Footing of sign gantry DS1
FHI-LR1-1080	Noise Barrier NB67 - Footing (96m) (Bay 4 - Bay 11)	95	95	07-Jul-17	27-Oct-17	16				Noise Barrier NB67 - Footing (96m) (Bay 4 - Bay 11)
FHI-LR1-1020	Construction of Retaining Wall beside Abutment AB1 and filling work	137	137	26-May-17	07-Nov-17	8				Construction of Retaining Wall beside Abutment AB1 and filling work
<b>Link Road 2 (near Abutment AA1)</b>										
FHI-LR2-2000	Completion of Demolition of Existing Vehicular Bridge	0	0		20-May-17	101	◆	Completion of Demolition of Existing Vehicular Bridge		
FHI-LR2-2040c	Footing of Sign Gantry DS11	14	14	20-May-17	06-Jun-17	14				Footing of Sign Gantry DS11
FHI-LR2-2040b	Road Formation, Road Drainage, Kerb (SMH1302 - 1303 & MY2.4 - 2.5)	45	45	07-Jun-17	29-Jul-17	42				Road Formation, Road Drainage, Kerb
FHI-LR2-2020	Construction of Retaining Wall beside Abutment AA1	120	120	19-Jun-17*	09-Nov-17	26				Construction of Retaining Wall beside Abutment AA1
<b>Link Road 3 (near Abutment AD1)</b>										
FHI-LR3-3020	Construction of Retaining Wall beside Abutment AD1	75	75	19-Jun-17*	14-Sep-17	11				Construction of Retaining Wall beside Abutment AD1
<b>Link Road 4 (near Abutment AC1)</b>										
FHI-LR4-4020	Construction of Retaining Wall beside Abutment AC1	120	105	15-May-17 A	21-Sep-17	0				Construction of Retaining Wall beside Abutment AC1
<b>WSD Works</b>										
<b>DN450 Fire Mains (CHA)</b>										
WA-2040	Pipe Laying - CHA 540 - 625 (DN450) along Ext. planter of TWSR West, 85m	45	9	05-May-17 A	31-May-17	27				Pipe Laying - CHA 540 - 625 (DN450) along Ext. planter of TWSR West, 85m
WA-2010	Pipe Laying - CHA 460 - 508 (DN450) along Ext. TWSR West NB, 48m	188	36	01-Sep-16 A	03-Jul-17	0				Pipe Laying - CHA 460 - 508 (DN450) along Ext. TWSR West NB, 48m
WA-1010	Pipe Laying - CHA 0 - 55 (DN450) near Ext. TWSR West, 55m	28	28	10-Jun-17	13-Jul-17	0				Pipe Laying - CHA 0 - 55 (DN450) near Ext. TWSR West, 55m
WA-1130	Pipe Laying - CHA 315 - 385 (DN450) near Ext. TWSR West, 70m	32	32	14-Jul-17*	19-Aug-17	1				Pipe Laying - CHA 315 - 385 (DN450) near Ext. TWSR West, 70m
WA-1120	Pipe Laying - CHA 270 - 315 (DN450) near Ext. TWSR West, 45m	26	26	21-Aug-17	19-Sep-17	1				Pipe Laying - CHA 270 - 315 (DN450) near Ext. TWSR West, 45m

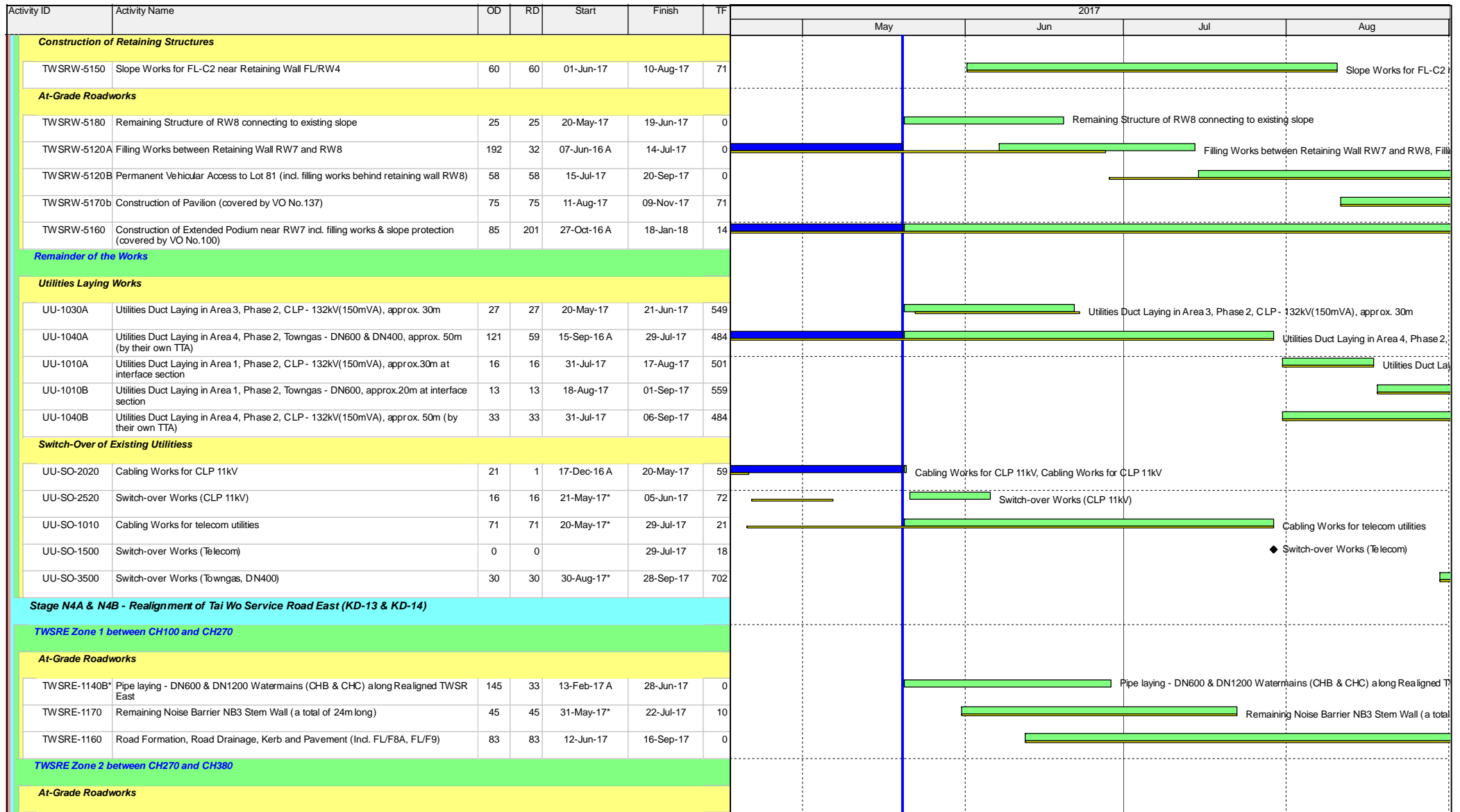
Date	Revision	Checked	Approved
21-May-17	Rev.1	SL	

Activity ID	Activity Name	OD	RD	Start	Finish	TF	2017			
							May	Jun	Jul	Aug
WA-2020	Pipe Laying - CHA 508 - 540 (DN450) along Ext. TWSR West SB, 32m	75	75	04-Jul-17	28-Sep-17	0				
<b>DN600 Water Mains (CHB)</b>										
WB-1030B	Pipe Laying - CHB 360 - 410 (DN600), 50m, from TWSRE to IT inspection tee chamber	21	21	05-Jun-17	28-Jun-17	0				
WB-1060B	Pipe Laying - CHB 577 - 585 (DN600) near J-Bridge, 8m	14	14	26-Jun-17	12-Jul-17	634				
WB-1050	Pipe Laying - CHB 455 - 510 (DN600), 55m, from combined valve chamber to Realigned TWSR East	20	20	28-Jun-17	21-Jul-17	0				
WB-1030C	Pipe Laying - CHB 410 - 430 (DN600), 20m, from IT inspection tee chamber to Pier AB7	25	25	29-Jun-17	28-Jul-17	0				
WB-1040	Pipe Laying - CHB 430 - 455 (DN600), 25m, from Pier AB7 to combined valve chamber	20	20	06-Jul-17	28-Jul-17	0				
WB-4000	Pressure Test for CHB (CHB 360 - 570)	14	14	29-Jul-17	14-Aug-17	122				
WB-4010	Cleaning & Sterilization (CHB 360 - 570)	14	14	15-Aug-17	30-Aug-17	122				
WB-4020	Water Sampling (CHB 360 - 570)	7	7	31-Aug-17	07-Sep-17	122				
WB-4030	Functioning of Newly Laid Pipeline (CHB 360 - 570)	0	0		07-Sep-17	122				
<b>DN1200 Water Mains (CHC)</b>										
WC-1120B	Pipe Laying - CHC 835 - 850 (DN1200), underneath J-Bridge, 15m	14	14	09-Jun-17	24-Jun-17	171				
WC-1090B	Pipe Laying - CHC 615 - 655 (DN1200), 40m, from TWSRE to IT inspection tee chamber	21	21	05-Jun-17	28-Jun-17	0				
WC-1000B	Pipe Laying - CHC 8 - 70 (DN1200) near Realigned TWSR West (TWSRW: CH100-155), 70m long & 3m depth	28	28	10-Jun-17	13-Jul-17	0				
WC-1090E	Pipe Laying - CHC 705 - 730 (DN1200), 25m, near DN1400 connection point	25	25	15-Jun-17	14-Jul-17	0				
WC-1090C	Pipe Laying - CHC 655 - 670 (DN1200), 15m, from IT inspection tee chamber to combined valve chamber	25	25	29-Jun-17	28-Jul-17	0				
WC-1010	Pipe Laying CHC 70 - 100 (DN1200) along existing TWSRW, 20m long & 3m depth	35	35	14-Jul-17	23-Aug-17	71				
WC-1030	Construction of IT inspection tee chamber(s) near the Jacking Pits	50	50	24-Aug-17	23-Oct-17	71				
<b>Twin DN1400 Water Mains (CHE &amp; CHG)</b>										
WE-1060a	Pipe Laying - CHG 280 - 325 (Twin DN1400) from Portal AB7/AD9/AC12 to combined valve chamber	33	0	09-Mar-17 A	10-May-17 A					
WE-1060b	Pipe Laying - CHE 280 - 325 (Twin DN1400) from Portal AB7/AD9/AC12 to combined valve chamber	38	0	06-Apr-17 A	20-May-17 A					
WE-4020	Exposure of watermain connection point near NB71	20	20	20-May-17	13-Jun-17	6				
WE-4010	Exposure of watermain connection point near NB3	32	21	08-May-17 A	14-Jun-17	0				
WE-1040	Pipe Laying - CHE & CHG 220 - 260 (Twin DN1400) near Pier AA4	24	24	23-May-17*	20-Jun-17	0				
WE-1050	Pipe Laying - CHE & CHG 260 - 280 (Twin DN1400) near Pier AD8	26	26	20-May-17	20-Jun-17	24				
WE-3010A	Pipe Cleaning for CHE (Stage 2 Diversion)	12	12	21-Jun-17	05-Jul-17	0				
WE-3020A	Pressure Test for CHE (Stage 2 Diversion)	7	7	06-Jul-17	13-Jul-17	0				
WE-3040A	CCTV Inspection and Sterilization for CHE (Stage 2 Diversion)	11	11	14-Jul-17	26-Jul-17	0				

Date	Revision	Checked	Approved
21-May-17	Rev.1	SL	

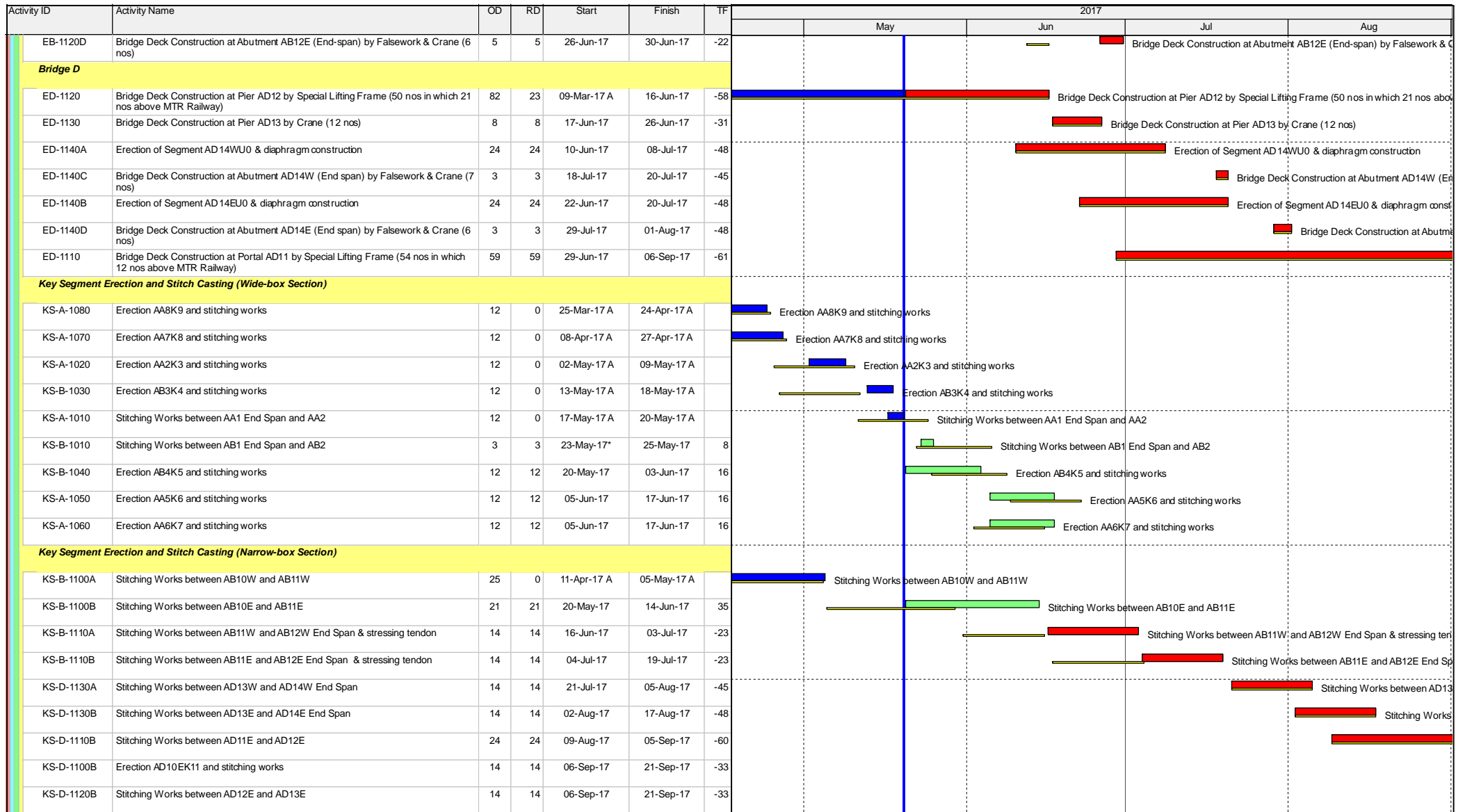


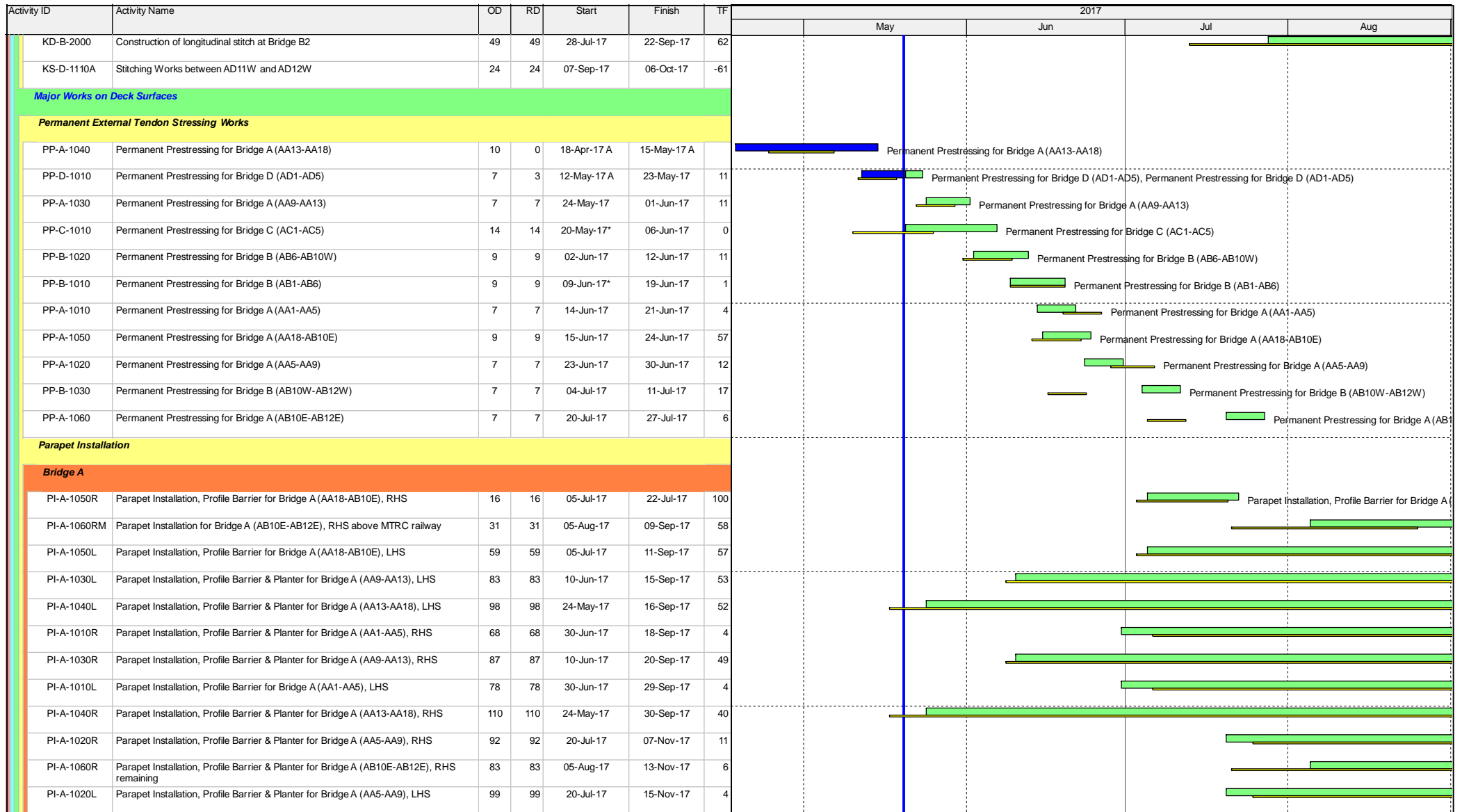


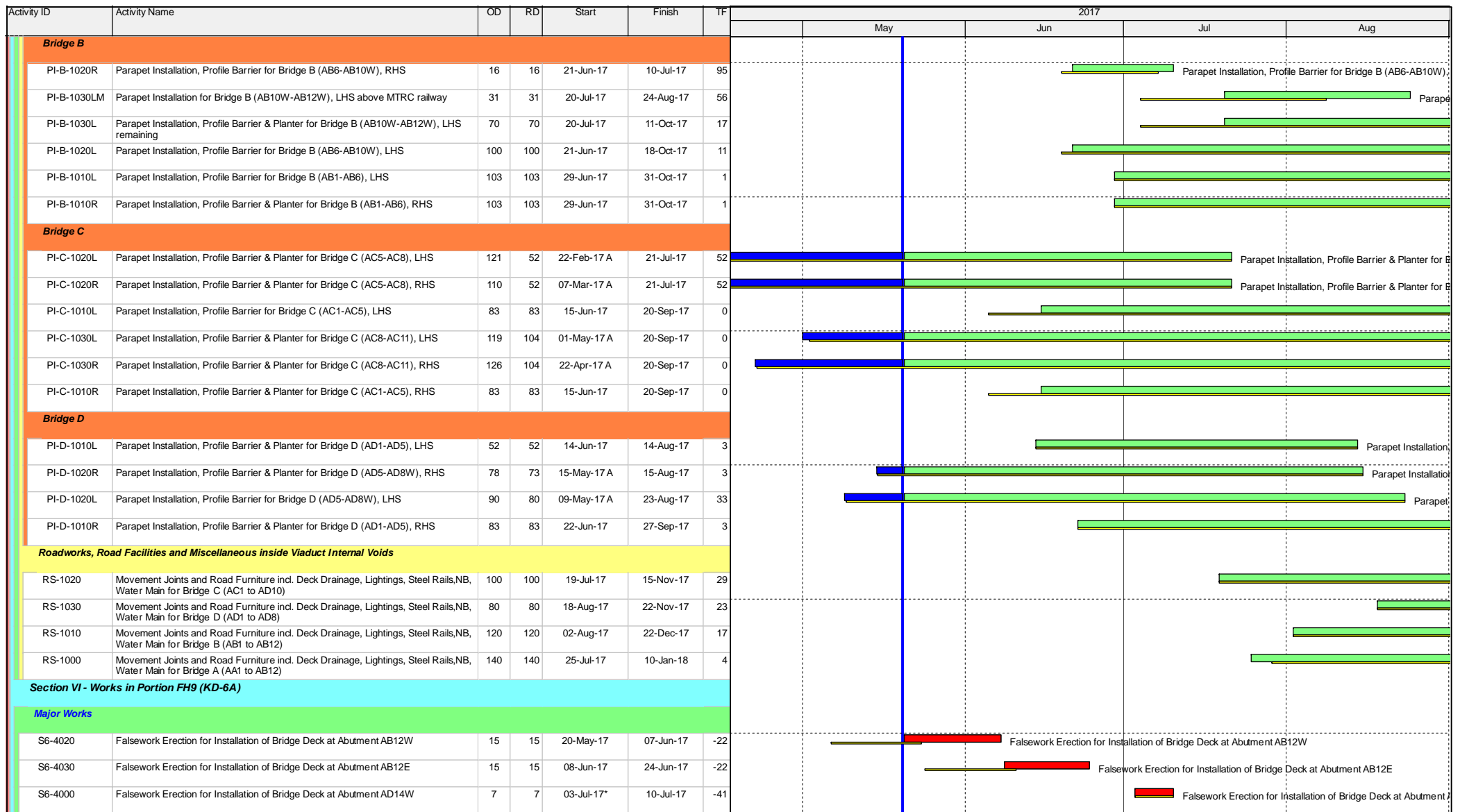








Activity ID	Activity Name	OD	RD	Start	Finish	TF	2017			
							May	Jun	Jul	Aug
TWSRE-2100	Road Drainage	5	30	12-Apr-17 A	24-Jun-17	21	Road Drainage, Road Drainage			
TWSRE-2080	Remaining Noise Barrier NB3 Stem Wall (total 2 bays)	35	35	31-May-17*	11-Jul-17	58	Remaining Noise Barrier NB3 Stem Wall (total 2 bays)			
TWSRE-2090	Road Formation, Kerb and Pavement	50	50	26-Jun-17	23-Aug-17	21	Road Formation, Kerb and Pavement			
TWSRE-2070	Commissioning of Realigned TWSR East	0	0	18-Sep-17		0				
<b>TWSRE Zone 3 between CH380 and CH456</b>										
<b>At-Grade Roadworks</b>										
TWSRE-3040	Road Formation, Kerb and Pavement (Incl. FL/F10)	50	50	26-Jun-17	23-Aug-17	21	Road Formation, Kerb and Pavement			
<b>Remaining Works for Noise Barrier along realigned TWSR East</b>										
TWSRE-NB-120	Installation of Steelwork & Transparent Panel - Noise Barrier NB3 (254m)	35	35	24-Aug-17*	04-Oct-17	100	Installation of Steelwork & Transparent Panel - Noise Barrier NB3 (254m)			
<b>Stage 1C - Viaduct Structure &amp; TCSS Civil Provisions (KD-9)</b>										
<b>Foundation &amp; Pier Construction</b>										
<b>Bridge D</b>										
BD-11-1050	Portal AD11 - Portal Beam Construction together with Kicker	65	0	23-Feb-17 A	09-May-17 A		Portal AD11 - Portal Beam Construction together with Kicker			
<b>Pier Table Construction</b>										
<b>Bridge D</b>										
PD-1130	Pier Table Construction at Pier AD13 (4 nos.)	15	9	01-Apr-17 A	31-May-17	-17	Pier Table Construction at Pier AD13 (4 nos.), Pier Table Construction at Pier AD13 (4 nos.)			
PD-1110	Pier Table Construction at Portal AD11 (4 nos.)	27	27	27-May-17*	28-Jun-17	-61	Pier Table Construction at Portal AD11 (4 nos.)			
<b>Viaduct Bridge Segment Erection</b>										
<b>Bridge A</b>										
EA-1020	Bridge Deck Construction at Portal AA2 by Crane (14 nos)	8	0	12-Apr-17 A	21-Apr-17 A		Bridge Deck Construction at Portal AA2 by Crane (14 nos)			
EA-1010B	Bridge Deck Construction at Abutment AA1 (End-span) by Falsework & Crane (6 nos)	6	0	19-Apr-17 A	24-Apr-17 A		Bridge Deck Construction at Abutment AA1 (End-span) by Falsework & Crane (6 nos)			
EA-1060	Bridge Deck Construction at Pier AA6 by Typical Lifting Frame (22 nos)	12	12	20-May-17	03-Jun-17	0	Bridge Deck Construction at Pier AA6 by Typical Lifting Frame (22 nos)			
<b>Bridge B</b>										
EB-1040	Bridge Deck Construction at Pier AB4 by Typical Lifting Frame (22 nos)	33	0	03-Mar-17 A	20-Apr-17 A		Bridge Deck Construction at Pier AB4 by Typical Lifting Frame (22 nos)			
EB-1010A	Erection of Segment AB1U0	25	0	18-Mar-17 A	08-May-17 A		Erection of Segment AB1U0			
EB-1010B	Bridge Deck Construction at Abutment AB1 (End-span) by Falsework & Crane (11 nos)	4	0	18-May-17 A	19-May-17 A		Bridge Deck Construction at Abutment AB1 (End-span) by Falsework & Crane (11 nos)			
EB-1120A	Erection of Segment AB12WU0 & diaphragm construction	15	17	09-May-17 A	09-Jun-17	-23	Erection of Segment AB12WU0 & diaphragm construction, Erection of Segment AB12WU0 & diaphragm construction			
EB-1120B	Erection of Segment AB12EU0 & diaphragm construction	14	17	09-May-17 A	09-Jun-17	-48	Erection of Segment AB12EU0 & diaphragm construction, Erection of Segment AB12EU0 & diaphragm construction			
EB-1120C	Bridge Deck Construction at Abutment AB12W (End-span) by Falsework & Crane (6 nos)	5	5	10-Jun-17	15-Jun-17	-23	Bridge Deck Construction at Abutment AB12W (End-span) by Falsework & Crane (6 nos)			

Date	Revision	Checked	Approved
21-May-17	Rev.1	SL	







Activity ID	Activity Name	OD	RD	Start	Finish	TF	2017						
								May	Jun	Jul	Aug		
S6-5020	Removal of Falsework near Abutment AB12W	7	7	04-Jul-17	11-Jul-17	-9					Removal of Falsework near Abutment AB12W		
S6-4010	Falsework Erection for Installation of Bridge Deck at Abutment AD14E	9	9	11-Jul-17	20-Jul-17	-41					Falsework Erection for Installation of Bridge Deck at Abutment AD14E		
S6-5030	Removal of Falsework near Abutment AB12E	7	7	20-Jul-17	27-Jul-17	-23					Removal of Falsework near Abutment AB12E		
S6-5000	Removal of Falsework near Abutment AD14W	7	7	07-Aug-17	14-Aug-17	-38						Removal of Falsework near Abutment AD14W	
S6-5010	Removal of Falsework near Abutment AD14E	7	7	18-Aug-17	25-Aug-17	-48						Removal of Falsework near Abutment AD14E	
S6-3000	Removal of Temp Road, Facilities and restatement the Portion FH9 to the condition as taking possession	18	18	26-Aug-17	15-Sep-17	-48						Removal of Temp Road, Facilities and restatement the Portion FH9 to the condition as taking possession	
Landscaping & Establishment Works (KD-4, 4A, 5, 5A, 6)													
Section III - Remainder of Landscaping Softworks Not Included in Section IIIA													
S3-1020	Remaining Drainage Works and Land Formation at FH3, FH4, FH5	50	50	07-Sep-17	07-Nov-17	18							
S3-1000	Transplanting along Realigned TWSR West	60	60	05-Sep-17	16-Nov-17	0							
S3-1010	Transplanting along Fanling Highway	70	70	18-Sep-17	11-Dec-17	9							

Date	Revision	Checked	Approved
21-May-17	Rev.1	SL	