

# Appendix A

# Construction Programme





























Activity ID	Activity Name	OD	RD	Start	Finish	TF	Gantt Chart (2014-2019)																																																																						
							2014													2015													2016													2017													2018													2019					
TWSRW-4090	Permanent Prestressing & Abutment Wall	28	28	23-Oct-15	24-Nov-15	-1	[Gantt bar: Permanent Prestressing & Abutment Wall]																																																																						
TWSRW-4100	Remove Scaffold System and Temporary Work together with Slope Reinstatement	110	110	02-Nov-15*	18-Mar-16*	8	[Gantt bar: Remove Scaffold System and Temporary Work together with Slope Reinstatement]																																																																						
<b>At-Grade Roadworks</b>							45	45	25-Nov-15	19-Jan-16	-1	[Summary bar: At-Grade Roadworks]																																																																	
TWSRW-4200	Cast Parapet, Lay Surfacing and Road Furniture for Footpath and Carriageway	45	45	25-Nov-15	19-Jan-16	-1	[Gantt bar: Cast Parapet, Lay Surfacing and Road Furniture for Footpath and Carriageway]																																																																						
<b>TWSRW Zone 5 between CH376 and CH520</b>							779	259	15-Oct-13 A	20-Jun-16	478	[Summary bar: TWSRW Zone 5 between CH376 and CH520]																																																																	
<b>Construction of Retaining Structures</b>							608	60	15-Oct-13 A	12-Oct-15	45	[Summary bar: Construction of Retaining Structures]																																																																	
TWSRW-5000	Implementation of TTA - Scheme W2	0	0	15-Oct-13 A			◆ Implementation of TTA - Scheme W2																																																																						
TWSRW-5030	CLP Overhead 11KV Cable Diversion at Area B (Phase 1)	140	0	04-Nov-13 A	21-May-14 A		[Gantt bar: CLP Overhead 11KV Cable Diversion at Area B (Phase 1)]																																																																						
TWSRW-5040	Forming of Earth Platform	40	0	03-Dec-13 A	28-Jan-14 A		[Gantt bar: Forming of Earth Platform]																																																																						
TWSRW-5050A	Construction of Bored Pile Wall (4 no. Piles) (with existing access road)	48	0	24-Dec-13 A	11-Mar-14 A		[Gantt bar: Construction of Bored Pile Wall (4 no. Piles) (with existing access road)]																																																																						
TWSRW-5050B	Construction of Bored Pile Wall (10 no. Piles) (with earth platform provided)	80	0	12-Mar-14 A	13-Jun-14 A		[Gantt bar: Construction of Bored Pile Wall (10 no. Piles) (with earth platform provided)]																																																																						
TWSRW-5050C	Construction of Bored Pile Wall (8 no. Piles) (conflict with overhead cable)	94	0	22-May-14 A	13-Aug-14 A		[Gantt bar: Construction of Bored Pile Wall (8 no. Piles) (conflict with overhead cable)]																																																																						
TWSRW-5050D	Construction of Remaining Portion of Bored Pile Wall at formation level	85	0	02-Sep-14 A	05-Nov-14 A		[Gantt bar: Construction of Remaining Portion of Bored Pile Wall at formation level]																																																																						
TWSRW-5060	Removal of grave at Portion FH8 (incl. Archaeological Survey)	25	0	30-Nov-13 A	16-Jan-14 A		[Gantt bar: Removal of grave at Portion FH8 (incl. Archaeological Survey)]																																																																						
TWSRW-5070	Construction of Mass Concrete Wall (FL/RW4)	70	39	15-Jun-15 A	15-Sep-15	66	[Gantt bar: Construction of Mass Concrete Wall (FL/RW4), Construction of Mass Concrete Wall (FL/RW4)]																																																																						
TWSRW-5070a	Temporary Slope Works for Construction of Mass Concrete Wall (FL/RW4)	14	0	01-Jun-15 A	13-Jun-15 A		[Gantt bar: Temporary Slope Works for Construction of Mass Concrete Wall (FL/RW4)]																																																																						
TWSRW-5080	Retaining Structure along Slope no. 3SW-C/C898 (to be covered by VO. 78)	50	60	29-Jun-15 A	12-Oct-15	45	[Gantt bar: Retaining Structure along Slope no. 3SW-C/C898 (to be covered by VO. 78), Retaining Structure along Slope no. 3SW-C/C898 (to be covered by VO. 78)]																																																																						
TWSRW-5090	Lagging Wall Construction and Capping Beam	160	0	06-Nov-14 A	03-Jun-15 A		[Gantt bar: Lagging Wall Construction and Capping Beam]																																																																						
<b>At-Grade Roadworks</b>							259	259	27-Apr-15 A	20-Jun-16	478	[Summary bar: At-Grade Roadworks]																																																																	
TWSRW-5100	Retaining Wall RW7 & RW8 - adjacent to Realigned TWSR West (66m)	70	70	17-Oct-15	11-Jan-16	0	[Gantt bar: Retaining Wall RW7 & RW8 - adjacent to Realigned TWSR West (66m)]																																																																						
TWSRW-5110A	Road Formation, DN150 watermain, Kerb, Planter and Pavement	35	35	05-Dec-15	18-Jan-16	0	[Gantt bar: Road Formation, DN150 watermain, Kerb, Planter and Pavement]																																																																						
TWSRW-5110B	Road Drainage SMH800-SMH801 (Covered by VO No.81)	36	36	03-Sep-15	16-Oct-15	14	[Gantt bar: Road Drainage SMH800-SMH801 (Covered by VO No.81)]																																																																						
TWSRW-5110C	Road Drainage SMH801-803 (Covered by VO No.81)	80	105	27-Apr-15 A	04-Dec-15	0	[Gantt bar: Road Drainage SMH801-803 (Covered by VO No.81), Road Drainage SMH801-803 (Covered by VO No.81)]																																																																						
TWSRW-5120	Permanent Vehicular Access to Lot 81	125	125	12-Jan-16	20-Jun-16	478	[Gantt bar: Permanent Vehicular Access to Lot 81]																																																																						
<b>TWSRW Zone 6 between CH520 and CH530</b>							1136	737	07-Jan-14 A	30-Jan-18	0	[Summary bar: TWSRW Zone 6 between CH520 and CH530]																																																																	
<b>Box Culvert Extension - BC01</b>							1136	31	07-Jan-14 A	30-Jan-18	0	[Summary bar: Box Culvert Extension - BC01]																																																																	
TWSRW-6000	Flow Diversion of Existing Stream	4	0	07-Jan-14 A	07-Jan-14 A		Flow Diversion of Existing Stream																																																																						
TWSRW-6010A	Excavation and Sub-base for construction of Bay 1	5	0	07-Jan-14 A	25-Jan-14 A		[Gantt bar: Excavation and Sub-base for construction of Bay 1]																																																																						
TWSRW-6010B	Excavation and Sub-base for construction of Bay 2	18	0	04-Mar-14 A	12-Mar-14 A		[Gantt bar: Excavation and Sub-base for construction of Bay 2]																																																																						
TWSRW-6020	Bay 1 - Base Slab	14	0	11-Feb-14 A	28-Feb-14 A		[Gantt bar: Bay 1 - Base Slab]																																																																						
TWSRW-6030	Bay 2 - Base Slab	14	0	13-Mar-14 A	18-Mar-14 A		[Gantt bar: Bay 2 - Base Slab]																																																																						
TWSRW-6030B	Bay 2 - Remaining Base Slab (To be carried out in next dry season)	31	31	22-Dec-17*	30-Jan-18*	0	[Gantt bar: Bay 2 - Remaining Base Slab (To be carried out in next dry season)]																																																																						
TWSRW-6040	Bay 1 - Wall and Top Slab	18	0	01-Mar-14 A	10-Mar-14 A		[Gantt bar: Bay 1 - Wall and Top Slab]																																																																						
TWSRW-6050	Bay 2 - Wall and Top Slab	11	0	19-Mar-14 A	25-Mar-14 A		[Gantt bar: Bay 2 - Wall and Top Slab]																																																																						
TWSRW-6060	Backfilling to existing road level	55	0	25-Mar-14 A	09-Jun-14 A		[Gantt bar: Backfilling to existing road level]																																																																						
TWSRW-6070	Inlet structure of the box culvert BC01 (Covered by VO. 41)	70	0	17-Dec-14 A	19-Mar-15 A		[Gantt bar: Inlet structure of the box culvert BC01 (Covered by VO. 41)]																																																																						
TWSRW-6080	Backfilling to existing road level after completion of inlet structure	72	0	20-Mar-15 A	21-May-15 A		[Gantt bar: Backfilling to existing road level after completion of inlet structure]																																																																						
<b>At-Grade Roadworks</b>							137	103	22-May-15 A	02-Dec-15	8	[Summary bar: At-Grade Roadworks]																																																																	
TWSRW-6100	Preparation Works for Implementation of TTA (shifting TWSRW traffic towards the edge of extended box culvert)	21	21	09-Nov-15	02-Dec-15	0	[Gantt bar: Preparation Works for Implementation of TTA (shifting TWSRW traffic towards the edge of extended box culvert)]																																																																						



**俊和建築工程有限公司**  
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

- Actual Work
- Remaining Work
- Summary Bar
- Critical Remaining Work
- ◆ Milestone

**CEDD Contract No. CV/2012/09**  
**Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure Works, Contract 3**

**Updated Master Works Programme (Revision 3B)**  
**Programme ID: UMP03B (Data Date: 01-Aug-15) Print Date: 23-Oct-15**

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Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
24-Apr-15	UMP02	Sam	Victor
01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor





















Activity ID	Activity Name	OD	RD	Start	Finish	TF	2014				2015				2016				2017				2018				2019																				
							A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D
PA-1070	Pier Table Construction at Pier AA7 (3 nos.)	50	50	04-Aug-16	03-Oct-16	32																																									
PA-1080	Pier Table Construction at Pier AA8 (3 nos.)	50	50	14-Jun-16	11-Aug-16	7																																									
PA-1090	Pier Table Construction at Pier AA9 (4 nos.)	50	50	23-Apr-16	23-Jun-16	28																																									
PA-1100	Pier Table Construction at Pier AA10 (3 nos.)	50	50	04-Jun-16	03-Aug-16	6																																									
PA-1110	Pier Table Construction at Pier AA11 (3 nos.)	50	50	23-Mar-16	26-May-16	45																																									
PA-1120	Pier Table Construction at Pier AA12 (3 nos.)	50	50	29-Feb-16	30-Apr-16	33																																									
PA-1130	Pier Table Construction at Pier AA13 (4 nos.)	50	88	25-Jul-15 A	14-Nov-15	0																																									
PA-1140	Pier Table Construction at Pier AA14 (3 nos.)	30	0	19-May-15 A	14-Jul-15 A																																										
PA-1150	Pier Table Construction at Pier AA15 (3 nos.)	50	50	15-Aug-15	14-Oct-15	2																																									
PA-1160	Pier Table Construction at Pier AA16 (3 nos.)	50	50	05-Oct-15*	02-Dec-15	0																																									
PA-1170	Pier Table Construction at Pier AA17 (3 nos.)	50	50	15-Oct-15	12-Dec-15	15																																									
PA-1180	Pier Table Construction at Pier AA18 (4 nos.)	50	50	22-Dec-15	27-Feb-16	33																																									
<b>Bridge B</b>		<b>344</b>	<b>344</b>	<b>23-Sep-15</b>	<b>23-Nov-16</b>	<b>73</b>																																									
PB-1020	Pier Table Construction at Pier AB2 (3 nos.)	50	50	24-Sep-16	23-Nov-16	73																																									
PB-1030	Pier Table Construction at Pier AB3 (3 nos.)	50	50	27-Jul-16	23-Sep-16	55																																									
PB-1040	Pier Table Construction at Pier AB4 (3 nos.)	50	50	23-Aug-16	22-Oct-16	54																																									
PB-1050	Pier Table Construction at Pier AB5 (3 nos.)	50	50	20-Feb-16	22-Apr-16	28																																									
PB-1060	Pier Table Construction at Portal AB6 (2 nos.)	18	18	21-Apr-16	12-May-16	0																																									
PB-1070	Pier Table Construction at Portal AB7/AD9 (4 nos.)	28	28	02-Dec-15	06-Jan-16	0																																									
PB-1080	Pier Table Construction at Portal AB8 (4 nos.)	37	37	25-Sep-15	10-Nov-15	0																																									
PB-1090	Pier Table Construction at Pier AB9 (4 nos.) incl. in-situ cross head	40	40	01-Mar-16	20-Apr-16	0																																									
PB-1100	Pier Table Construction at Pier AB10 (4 nos.) incl. in-situ cross head	50	50	23-Sep-15	23-Nov-15	6																																									
PB-1110	Pier Table Construction at Pier AB11 (4 nos.) incl. in-situ cross head	40	40	07-Jan-16	29-Feb-16	0																																									
<b>Bridge C</b>		<b>479</b>	<b>353</b>	<b>26-Jan-15 A</b>	<b>12-Oct-16</b>	<b>7</b>																																									
PC-1020	Pier Table Construction at Pier AC2 (3 nos.)	50	50	24-Jun-16	22-Aug-16	28																																									
PC-1030	Pier Table Construction at Pier AC3 (3 nos.)	50	50	12-Aug-16	12-Oct-16	7																																									
PC-1040	Pier Table Construction at Pier AC4 (3 nos.)	50	50	27-May-16	26-Jul-16	55																																									
PC-1050	Pier Table Construction at Pier AC5 (4 nos.)	50	50	17-Nov-15	16-Jan-16	3																																									
PC-1060	Pier Table Construction at Pier AC6 (3 nos.)	30	9	26-May-15 A	11-Aug-15	2																																									
PC-1070	Pier Table Construction at Pier AC7 (3 nos.)	30	0	10-Mar-15 A	23-Apr-15 A																																										
PC-1080	Pier Table Construction at Pier AC8 (3 nos.)	30	0	26-Jan-15 A	01-Apr-15 A																																										
PC-1090	Pier Table Construction at Pier AC9 (3 nos.)	50	50	07-Nov-15	07-Jan-16	137																																									
PC-1100	Pier Table Construction at Pier AC10 (3 nos.)	50	50	19-Oct-15	16-Dec-15	37																																									
<b>Bridge D</b>		<b>349</b>	<b>351</b>	<b>28-Jul-15 A</b>	<b>08-Oct-16</b>	<b>33</b>																																									
PD-1030	Pier Table Construction at Portal AD3 (2 nos.)	28	28	05-Sep-16	08-Oct-16	33																																									
PD-1040	Pier Table Construction at Pier AD4 (3 nos.)	50	50	03-Dec-15	02-Feb-16	7																																									
PD-1050	Pier Table Construction at Pier AD5 (4 nos.)	50	65	28-Jul-15 A	17-Oct-15	10																																									
PD-1060	Pier Table Construction at Pier AD6 (3 nos.)	50	50	07-Sep-15*	06-Nov-15	35																																									
PD-1070	Pier Table Construction at Pier AD7 (3 nos.)	50	50	14-Dec-15	19-Feb-16	19																																									



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

**Updated Master Works Programme (Revision 3B)**  
**Programme ID: UMP03B (Data Date: 01-Aug-15) \_\_\_\_\_ Print Date: 23-Oct-15**

Date	Revision	Checked	Approved
29-Jan-14	IWP04	Sam	Victor
08-Jan-15	UMP01	Sam	Victor
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01-Aug-15	UMP03	Sam	Victor
02-Oct-15	UMP03A	Sam	Victor
23-Oct-15	UMP03B	Sam	Victor







