

Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2

Quarterly EM&A Report

August 2019 to October 2019

Submitted to

Environmental Protection Department

Meinhardt Infrastructure and Environment Ltd

Meinhardt Infrastructure and Environment Limited

Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2

Quarterly EM&A Report

(August 2019 to October 2019)

Certified by:	Fredrick Leong
Position:	Environmental Team Leader
Date:	30 December 2019

M MOTT MACDONALD

Hyder-Arup-Black & Veatch Joint Venture c/o Arcadis 17/F, Two Harbour Square, 180 Wai Yip Street, Kwun Tong, Hong Kong Attn: Mr. James Penny

Your Reference

Our Reference AFK/EC/ST/cy/T329380/2 2.05/L-0297

3/F International Trade Tower 348 Kwun Tong Road Kowloon Hong Kong

T +852 2828 5757 F +852 2827 1823 mottmac.hk Environmental Monitoring and Audit (EM&A) for Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2 (between Tai Hang to Wo Hop Shek Interchange) – Entrusted Works Environmental Permit No. EP-324/2008/E Quarterly EM&A Summary Report for August 2019 to October 2019 for the

portion of Stage 2 works entrusted to CEDD under Contract No. CV/2012/09

19 December 2019 By Fax (2805 5028) & Hand

We refer to the revised Quarterly EM&A Summary Report for August 2019 to October 2019 (Rev.1) for the Project received on 17 December 2019 submitted by ET via email. We confirm we have no comment.

Yours faithfully for MOTT MACDONALD HONG KONG LIMITED

Steven Tang Independent Environmental Checker

c.c. HyD CEDD/BCP AECOM Meinhardt

Mr. Chung Lok Chin Mr. Lu Pei Yu Mr. Alan Lee Mr. Fredrick Leong By Fax (2116 0714) By Fax (3547 1659) By Fax (2171 3498) By Fax (2540 1580)



Date	Revision	Prepared By	Checked By	Approved By
30 Dec 2019	0	WK CHIU	Fredrick LEONG	Helen
50 Dec 2015	0	Bobo, HUI	I TEUTICK LEONG	COCHRANE
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EXECUTIVE SUMMARY

This report documents the findings of EM&A works conducted in the quarter between 1 August 2019 and 31 October 2019.

The impact stage EM&A programme for the Project includes air quality and noise monitoring.

The EM&A programme was carried out by the ET in accordance with the EM&A Manual requirements. It is concluded from the environmental monitoring and audit works that adequate environmental mitigation measures have been implemented by the civil works contractors where appropriate in the reporting quarter.

In the reporting quarter, no exceedance event was recorded. No necessary remedial actions have been taken.

No environmental non-compliance was recorded in the reporting quarter. No environmental complaint was received in the reporting quarter. No environmental related prosecution or notification of summons was received in the reporting quarter.

The box culvert works have been partially completed by the end of March 2014 except the last construction activity, installation of a base slab at Box Culvert ID4. The installation of the base slab at Box Culvert ID4 was commenced in December 2016 and has been completed in March 2017.

The 4-week post construction water quality monitoring has been commenced and completed in April 2017.

As informed by the contractor, all major construction activities of the Entrusted Portion Project of Section 1A and 1B were substantially completed on 28 September 2018 and 3 October 2018 respectively. In such regard, the EM&A Programme of the captioned project, including monthly EM&A reporting and the corresponding environmental monitoring and audit works, is no longer required and we have submitted the termination proposal to EPD on 4 April 2018. And EPD replied the Final EM&A Report need to be provided to facilitate the consideration of cessation of construction phase EM&A Programme and the EM&A monitoring and audit works will not be terminated without prior approval of EPD.



1 INTRODUCTION AND PROJECT INFORMATION

1.1 Background

- 1.1.1 The Project is a Designated Project under the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499). An Environmental Impact Assessment (EIA) Report together with an Environmental Monitoring and Audit (EM&A) Manual were approved on 14 July 2000 (Register Number: EIA-043/2000). The Project is governed by an Environmental Permit (EP) (EP-324/2008) which was granted on 23 December 2008. A variation of EP (VEP) was applied and the VEP (EP-324/2008/A) was subsequently granted on 31 January 2012. An additional VEP has been applied on 24 February 2014 and the VEP (EP-324/2008/B) was subsequently granted on 17 March 2014. Furthermore, an additional VEP has been applied on 9 March 2015 and the VEP (EP-324/2008/C) was subsequently granted on 27 March 2015. The previous VEP (EP-324/2008/D) was granted on 27 August 2015. The current VEP (EP-324/2008/E) was granted on 26 January 2017.
- 1.1.2 Chun Wo Construction & Engineering Co Ltd (Chun Wo) was commissioned by the Civil Engineering and Development Department (CEDD) as the Civil Contractor for the Entrusted Portion of Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2. Meinhardt Infrastructure & Environment Ltd (MIEL) has been appointed by Chun Wo as the Environmental Team (ET) to fulfill the corresponding EM&A requirements pursuant to Environmental Permit No. EP-324/2008/D in accordance with the Updated EM&A Manual (dated March 2015) for Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2. The EM&A programme commenced in 5 November 2013.
- 1.1.3 **Figure 1** shows the works areas for the Entrusted Portion of Widening of Tolo Highway/Fanling Highway between Island House Interchange and Fanling Stage 2.

1.2 Construction Programme and Activities

- 1.2.1 The construction programme is presented in **Appendix A**. The remaining construction activities undertaken in the reporting quarter are summarized below:
 - Road Pavement Works;
 - Water Main Laying Works;
 - Remaining Works of Kiu Tau Footbridge
 - Remaining Works of Noise Barrier NB6, NB 71 & NB70; and
 - Remaining Landscape Works.

2 **Project Organisation**

2.1.1 The project organization structure is shown in **Appendix B**. The key personnel contact names and numbers for the Project, together with the general enquiry hotline, are summarised in **Table 2.1**.



Party	Role	Position	Name	Telephone	Fax
	Engineer's	Senior Resident Engineer	Mr. Alan Lee	2171 3303	
AECOM	Engineer's Representative	Resident Engineer (Environmental)	Mr. Perry Yam	2171 3350	2171 3498
Mott MacDonald	Independent Environmental Checker (IEC)	IEC	Mr. Steven Tang	2828 5920	2827 1823
		Site Agent	Mr. Ken Lun	2638 6144	
Chun Wo	Contractor	Environmental Officer	Mr. Yip Yun Lam	3166 5111	2638 7077
Meinhardt	Environmental Team (ET)	ET Leader	Mr. Fredrick Leong	2859 1739	2540 1580
Enquiry Hotline	General Enquiry		Ms Helena Mak	6355 1731	

Table 2.1 Contact Information of Key Personnel

2.2 Purpose of the Report

2.2.1 This is the Quarterly EM&A Report which summaries the impact monitoring results and audit findings for the Project during the reporting period between 1 August 2019 to October 2019.

3 SUMMARY OF EM&A REQUIREMENTS

3.1 Monitoring Requirements

3.1.1 In accordance with the Updated EM&A Manual, environmental parameters including Air Quality and Noise have been monitored. The specific parameters, monitoring frequency and the respective Action and Limit Levels are given in **Table 3.1** and the location of the monitoring station is shown in the **Figure 2**.

Parameter	Unit	Action Level	Limit Level	Frequency
		Air Qual	ity	
1-hour TSP	μg/m³	292.7	500	Three times every 6 days
24-hour TSP	μg/m ³	170.3	260	Once every 6 days
		Construction	n Noise	· · ·
Leq 30min	dB(A)	When one documented valid complaint is received	75	Once every Week

Table 3.1Monitoring Parameter

Temporary Suspension of Box Culvert Works and Water Quality Monitoring

3.1.2 The box culvert works have been completed in the end of March 2017. The 4-week post construction water quality monitoring has been completed in the end of April 2017 in the same manner as the impact monitoring.



3.2 Environmental Mitigation Measures

3.2.1 Environmental mitigation measures have been recommended in the EM&A Manual and are given in **Appendix C**. The implementation status for the reporting quarter is also given in the Appendix.

4 SUMMARY OF EM&A MONITORING DATA

4.1 Monitoring Data

4.1.1 Monitoring has been conducted in accordance with the specification in the EM&A Manual in the reporting quarter. Meteorological data for the reporting quarter have been extracted from Hong Kong Observatory and are given in Appendix D. Monitoring data with graphical presentation for the reporting quarter have been given in Appendix E. A summary on the monitoring results has also been given in Table 4.1.

Table 4.1 Summary of Monitoring Data in the Reporting Quarter

Monitoring Location	Minimum	Maximum	Average
	Air Q	luality	
	1 hour Total Susp	pended Particulate	
SR77	66.1µg/m ³	199.4µg/m³	134.0µg/m ³
	24 hour Total Sus	pended Particulate	
SR77	53.3μg/m ³	164.2µg/m ³	110.8 μg/m ³
	Construc	tion Noise	
SR77	63.0dB(A)	65.5dB(A)	64.2dB(A)

4.2 Summary of Monitoring Exceedances

4.2.1 The number of exceedances event recorded in the reporting quarter is summarized in **Table 4.2**.

Table 4.2 Summary of Exceedance Events in the Reporting Quarter

Parameter	Criteria	Number of Exceedances Events	Number of Project Related Exceedance Events
	Air C	Quality	
1-hour Total Suspended	Action Level	0	0
Particulates	Limit Level	0	0
24-hour Total Suspended	Action Level	0	0
Particulates	Limit Level	0	0
	Construc	ction Noise	
	Action Level	0	0
Leq 30min	Limit Level	0	0
	Limit Level	0	0

- 4.2.2 No exceedance of Action Level and Limit level for 1-hour TSP and 24-hour TSP monitoring were recorded at SR77 in the reporting quarter.
- 4.2.3 No exceedance of noise monitoring was recorded at SR77 in the reporting quarter.



5 WASTE MANAGEMENT

- 5.1.1 The Contractor has registered as a chemical waste producer of the Project. The C&D materials and waste sorting were carried out on-site. Receptacles were provided for general refuse collection.
- 5.1.2 During the reporting quarter, a total of 6954m³ of excavated material has been generated. 6954m³ of inert C&D materials was disposed of at public fill to Tuen Mun Area 38, while 0m³ of inert C&D materials was reused on site. 510m³ of general refuse was disposed of at North East New Territories (NENT) Landfill. No plastics and no paper/cardboard packaging were collected by recycling contractor in the reporting quarter. No metals were collected by recycling contractor in the reporting quarter. No chemical waste was collected by licensed contractor in the reporting quarter. Details of the waste management data are presented in **Appendix F**.

6 ENVIRONMENTAL NON-CONFORMANCE

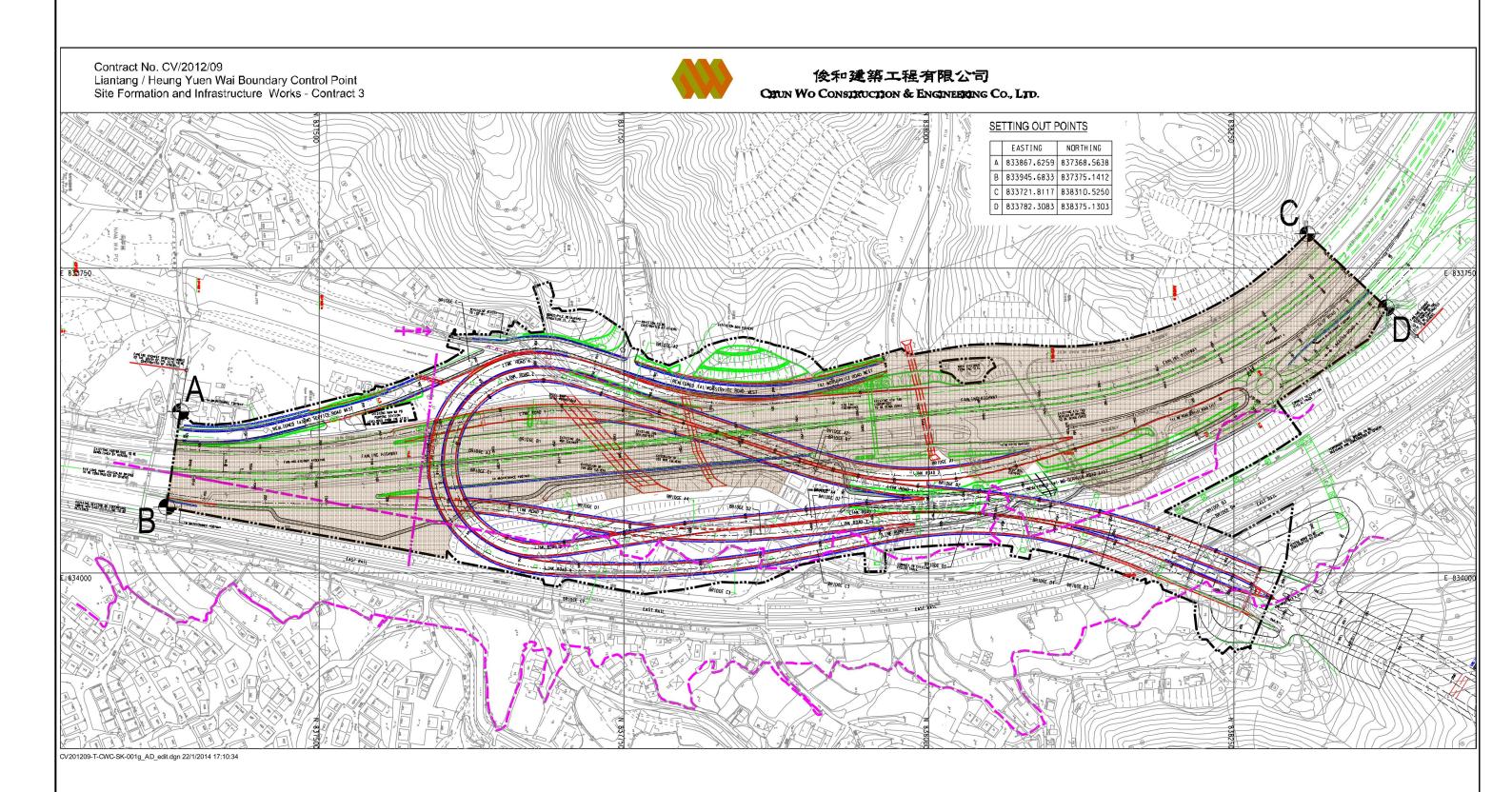
6.1.1 No environmental non-compliance was recorded in the reporting quarter. No environmental complaint was received. No environmental related prosecution or notification of summons was received in the reporting quarter. The summary for the non-compliance, complaints and prosecutions is provided in **Appendix G**.

7 CONCLUSION, COMMENTS AND RECOMMENDATIONS

- 7.1.1 The EM&A programme was carried out by the ET in accordance with the EM&A Manual requirements. It is concluded from the environmental monitoring and audit works that adequate environmental mitigation measures have been implemented by the civil works contractors where appropriate in the reporting quarter.
- 7.1.2 In the reporting quarter, no exceedance event was recorded.
- 7.1.3 No environmental non-compliance was recorded in the reporting quarter. No environmental complaints were received in the reporting quarter. No environmental related prosecution or notification of summons was received in the reporting quarter.
- 7.1.4 The box culvert works have been completed in the end of March 2017. The 4-week post construction water quality monitoring has been completed in the end of April 2017 in the same manner as the impact monitoring.



Figure



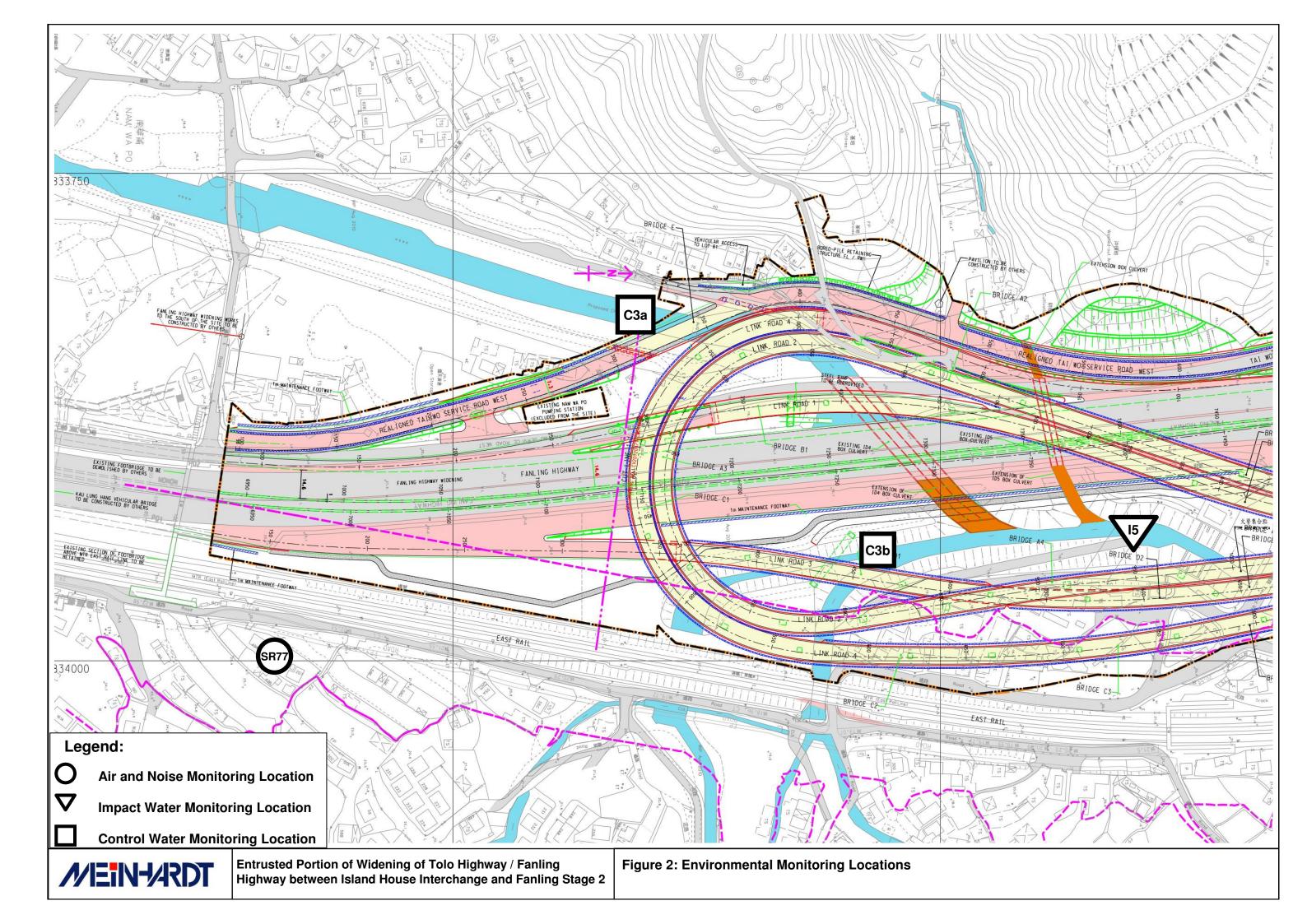
Legend:

Works Area for Entrusted Portion

MEIN-ARDT

Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2

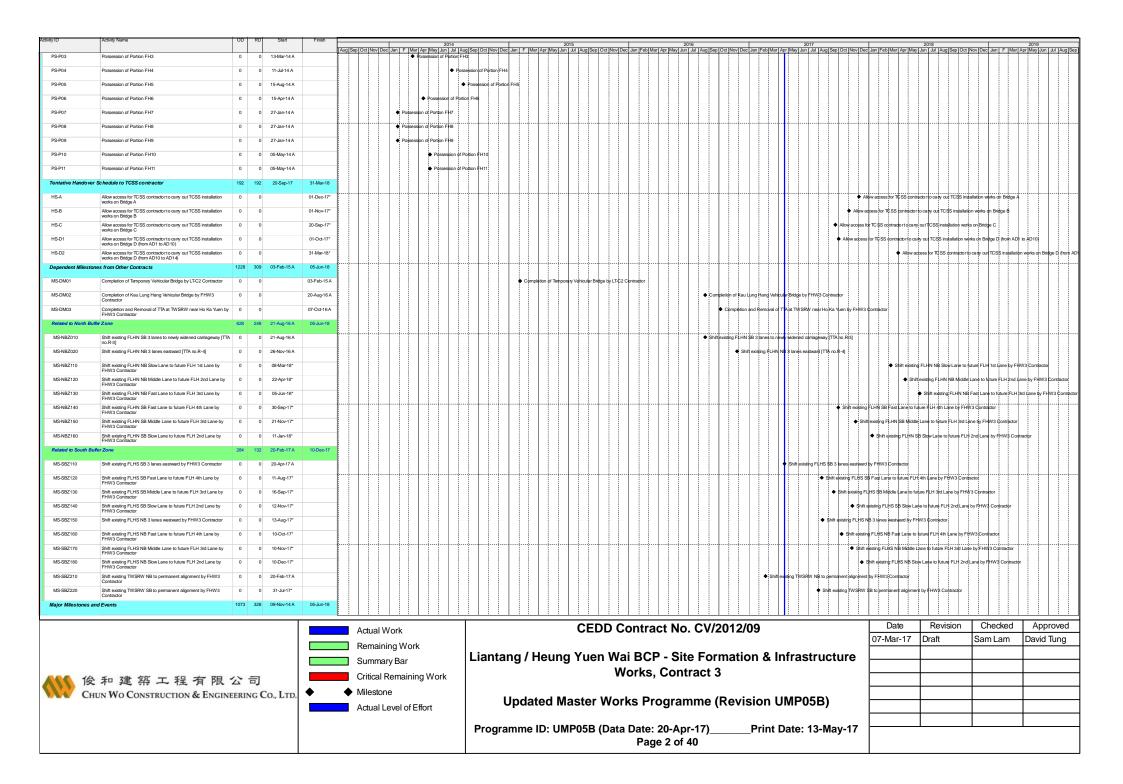
Figure 1: Demarcation of Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling – Stage 2



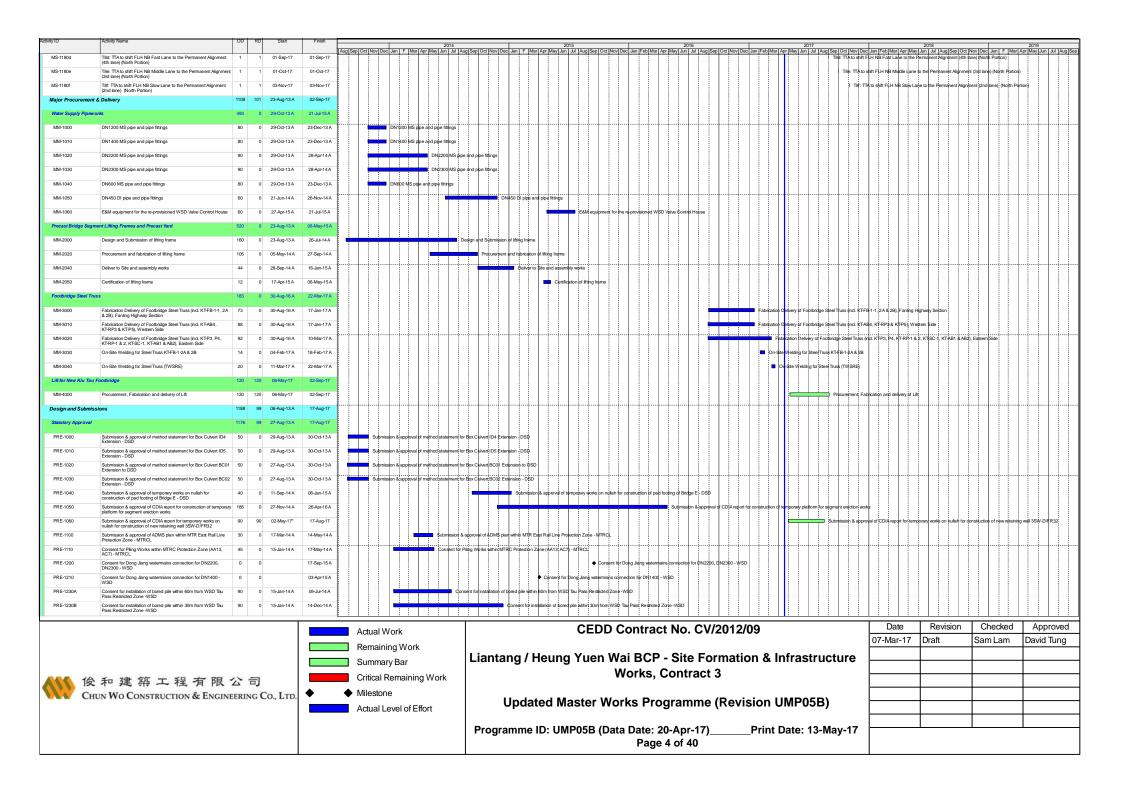


Appendix A Construction Programme

ctivity ID	Activity Name	OD	RD	Start	Finish	-					2014			1		2015	5					2016					201	7					2018					019	_
Updated Master Pro	gramme (UMP05B) Data Date: 20 Apr 2017	1786	697 :	31-Jul-13 A	31-Aug-19	Aug Se	Oct No	v Dec Ja	an F Ma	ar Apr May J	lun Jul Au	g Sep Oc	ct Nov De	c Jan F	Mar Apr	May Jun Ju	Jul Aug Se	p Oct Nov	Dec Jar	Feb Mar A	r May Ju	n Jul Au	ug Sep C	Oct Nov De	c Jan Feb I	Mar Apr I	May Jun	Jul Aug S	ep Oct 1	lov Dec Ja	n Feb Ma	ar Apr Ma	y Jun Jul	Aug Sep O	ct Nov De	c Jan F	Mar Apr I	ay Jun	Jul Aug
Key Dates (Contract		2223	864 3	31-Jul-13 A	31-Aug-19																																		
	Commencement of Works	0	0 :	31-Jul-13 A		Comm	encement	of Works																															
KD-0020	Completion of Contract CV/2012/09	0	0		31-Aug-19*	_																																	
KD-0100	KD1: Section 1A - all HyD's entrustment works in Zone3 and SBZ2 excluding Landscape Softworks and Establishment Works	0	0		03-Feb-18*																										KD1:	Section 1	A all HyD's	entru\$tment v	wotks in Zon	e3 and SB	2 excludite	Landsca	ape Softv
KD-0200			0		03-Sep-18*																													♦ KD2:	Section 1B	-all HyD's	entrustmen	works in t	NBZ1 exc
KD-0300	KD2: Section 1B - all HyD's entrustment works in NBZ1 excluding Landscape Softworks and Establishment Works KD3: Section 2 - the remainder of the Works	0	0		03-Feb-18*	_																									KD3 ¹	Section 2	- the remain	der of the Wo	nks				
KD-0400	KD4: Section 3 - Remainder of Landscape Softworks not included	0	0		29-Jan-18*	_																												of Landscape	Softworks	not included	in Section	A	
KD-0500	in Section 3A KD4A: Section 3A - Landscape Softworks in NBZ1	0	0		31-Aug-18*	_																													Section 3	A-Landsca	e Saftwork	in NR71	
KD-0600	KD5: Section 4 - Establishment Works for Landscape Softworks	0	0		29-Jan-19*																															K	5: Section	Potobile	abord at V
KD-0700	under Section 3 KD5A: Section 4A - Establishment Works for Landscape Softworks		0		31-Aug-19*																																		ļļ
KD-0800	under Section 3A	0	0																															L KOG	Section 5 -		and Prote		L
	KD6: Section 5 - Preservation and Protection of Trees				31-Aug-18*																													V NDO.	Security -	rieservauo	and Pible		ees
KD-0900	KD6A: Section 6 - All works in Portion FH9 of the Site but excluding works on the deck surfaces		0		21-Jul-17*																							♦ KD6A:	Section 6	- Al works	n Montion H	Heorthe	Sile Dut exc	uang works o	in the deck	sunaces			
KD-1000	KD6B: Section 7 - All specified geotechnical fieldworks and all associated lab tests	0	0		03-Jul-14 A						♦ KD6E	: Section 7	7 - All spieci	ied geotech	nical fieldw	orks and all a	associated I	lab testa																					
KD-1100	KD7: Stage 1A - Completion of the Realigned Tai Wo Service Road West for diversion of vehicular traffic	0	0		26-Feb-16 A															♦ KD7: 1	tage 1A-	Completio	on of the F	tealigned Ta	i Wo Service	Road We	st fot divers	ion of vehi	cular traffi										ļļ
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*																							♦ KD		IC Compl				pciated civil p		r 1CS9 and	allow acces	sforothe	í E
KD-1300	KD10: Stage S4 - Completion of road widening of Fanling Highway within SBZ2 and allow access for HY/2012/06		0		20-Apr-17*																						(D10: Stag	e S4 - Cor			ing of Fanl	ing Highw	ay within SB	22 and allow	access for H	11/2012/06			
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*																							1	KD1133	stage N4 - (Completion	of road w	dening of F	inling Highwa	iy within NB.	Z1 and allo	v access fo	HY/2012	:/06
KD-1500	KD13: Stage N4A - Connection of Access Road A and Slip Road Y at Entrustment Boundary CD	0	0		02-Jun-16 A																•	KD13: Sta	ige N4A-	Connection	of Access Ro	ad Aand S	Nip Road Y	at Entrust	ment Bou	ndaly CD									
KD-1600	KD14: Stage N4B - Commissioning of Roundabout A by connecting to Slip Rd Y, Access Rd A & the realigned TWSRE	0	0		02-Jun-16 A																•	KD14: Sta	ige N4B -	Commission	ing of Rouric	labout A b	connectin	g to Slip R	d Y, Acces	sRblA&th	e realigned	TWSRE							
Key Dates (Forecas	9	1473	600	03-Jul-14 A	29-Aug-19																																		
KD-0105	KD1: Section 1A - all HyD's entrustment works in Zone3 and SBZ2 excluding Landscape Softworks and Establishment Works	0	0		03-Feb-18																										KD1:	Section 1	A-all HyD's	entrustment v	works in Zon	ie3 and SB	2 excludin	Landsca	ape Softw
KD-0205	KD2: Section 1B - all HyD's entrustment works in NBZ1 excluding Landscape Softworks and Establishment Works	0	0		03-Sep-18																													KD2:	Section 1B	- all HyD's	entrustmen	works in t	NBZ1 exc
KD-0305	KD3: Section 2 - the remainder of the Works	0	0		28-May-18																												🔹 KD8: Se	ction 2 - the r	emainder of	f the Works			
KD-0405	KD4: Section 3 - Remainder of Landscape Softworks not included in Section 3A	0	0		29-Jan-18																										♦ KD4: \$	Section 3	Remainder	of Landscape	e Softworks	not included	in Section	BA	
KD-0505	KD4A: Section 3A - Landscape Softworks in NBZ1	0	0		29-Aug-18																+				+-+++								·	🔶 KD4A	Section 34	Landscar	e Softwork	in NBZ1	rt
KD-0605	KD5: Section 4 - Establishment Works for Landscape Softworks under Section 3	0	0		29-Jan-19																															е ко	5: Section	- Establis	ishment W
KD-0705	KD5A: Section 4A - Establishment Works for Landscape Softworks under Section 3A	0	0		29-Aug-19																																		Ŀ
KD-0805	KD6: Section 5 - Preservation and Protection of Trees	0	0		29-Aug-18																													• KD6:	Section 5 - I	Preservation	and Protein	ion of Tre	ees
KD-0905	KD6A: Section 6 - All works in Portion FH9 of the Site but excluding	0	0		20-Dec-17																									• к	06A: Sectio	in 6 - All w	orits in Portic	n FH9 of the	Site but ex	cluding work	s on the de	k surface	es
KD-1005	works on the deck surfaces KD6B: Section 7 - All specified geotechnical fieldworks and all	0	0		03-Jul-14 A						♦ KD6E	Section 7	7 All speci	ied geotech	nical fieldw	orks and all a	associated I	lab tests															·						r
KD-1105	associated lab tests KD7: Stage 1A - Completion of the Realigned Tai Wo Service	0	0		26-Feb-16 A															♦ KD7:	tage 1A-	Completio	on of the F	tealigned Ta	i Wo Service	Road We	at for divers	ion of vehi	cular traffi										
KD-1205	Road West for diversion of vehicular traffic KD9: Stage 1C - Completion of viaduct structures and associated	0	0		20-Sep-17	_																							♦ KD9	Stage 1C -	Completion	i of viaduc	structures	nd associate	d divil provis	ions for TCS	S and alle	accessio	orother
KD-1305	civil provisions for TCSS and allow access for other KD10: Stage S4 - Completion of road widening of Fanling Highway	/ 0	0		04-Nov-17*	_																								KD10: Sta	as S4 - Co	moletion	f load wide	ing of Fanlin	a Hiahway y	within SBZ2	and allow a	cess for l	HY/2012/
KD-1405	within SB22 and allow access for HY/2012/06 KD11: Stage N4 - Completion of road widening of Fanling Highway		0		12-Aug-17*	_																						♦ КС	111 Stade	N4 - Com	letion of ro	ad widenii	g of Fanling	Highway with	nin NB21 ar	nd allow acc	ess for HYZ	012/06	
KD-1505	within NBZ1 and allow access for HY/2012/06		0		02-Jun-16 A																	KD13- Sto	ide N4A	Connection	of Access Ra	ad A and	ip Road V												
KD-1605	KD13: Stage N4A - Connection of Access Road A and Slip Road Y at Entrustment Boundary CD KD14: Stage N4B - Commissioning of Roundabout A by	0	0		02-Jun-16A	_																			ing of Round					s Rd A & th	e realigned	TWSRE							
Possession of Site	connecting to Slip Rd Y, Access Rd A & the realigned TWSRE	386	0	31-Jul-13 A	15-Aug-14 A																							- T ('											
	Possession of Portion EH1 NBZ1 SBZ2 and ZONE3					Pober	sion of Pr	ntion EH1	NB74 P	BZ2 and ZON	IF3																												
						- 0688																																	
PS-P02	Possession of Portion FH2	U	0 2	27-Jan-14 A					 Posses 	ssion of Portio	n FH2																												
PS-P01 PS-P02	Possession of Ponton FH1, NB21, SB22 and ZONE3 Possession of Ponton FH2 和建築工程有限:	0	0 2	31 Jul-13 A 27 Jan-14 A			Actua Rema Sum	al Wo aining mary I	♦ Posses ork g Wor Bar	BZ2 and ZON sson of Portio	n FH2	Lia	anta	ng /	He	ung		en W	ai I	ntrac BCP 'ks, (- Sit	te F	orr	nati		Inf	rast	ruc	ture	- I-	Da D7-Ma	ate ar-17		evision	_	hecke m Larr		Ap	·
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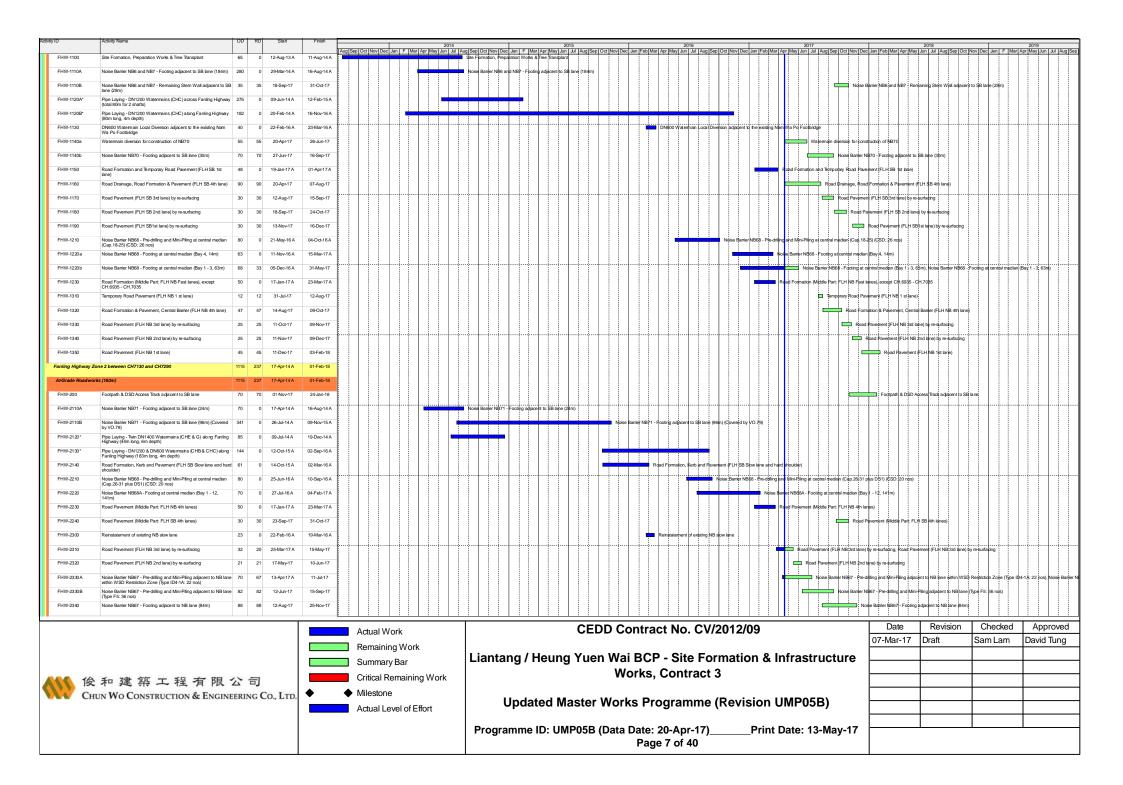


ity iD	Activity Name OD	RD Start	Finish	See Oct New 2		2014	Aug less 10 - 1	loud Doc loss	E Mort Area	2015	Aug Port Orth	aul Dool Inte 15	Mortheatte	2016	ISon IC + N	Dee loc 15-4 11	201	17 MI 140-10-1	Oct INc: 1D-	Inn IEchille	April April 1	018	Dat May 10+	bol E Marth	2019	bill Asse??
MS-0110	Completion of 4 nos. of piers crash with the existing FLH NB (by 2 0 sets)	0	20-Apr-16 A	Sep Uct Nov De	u Jan F Mar	Apr May Jun Jul	Aug sep Oct	vuv Dec Jan	r Mar Apr M	ay Jun Jul	Aug Sep Oct N	ov Dec Jan Feb	ontar Apr M ◆ Co	mpletion of 4 no	s of pers ctash	with the existing F	tar Apr May Jun LH NB (by 2 sets)	Jul Aug Sep	Oct NOV Dec	Jan ⊩eb Mai	Apr May Ju	Jui Aug Sep (Jot Nov Dec	Ja∩ r Mar Ap	or May Jun J	AUT AUG SI
MS-0120	Completion of 2 nos. of piers crash with existing FLH (by 1 set) 1073	0 09-Nov-14 A	18-Feb-17 A													c	ompletion of 2 nos.	of piers crash v	ith existing FLH	l (by 1 set)						
MS-0210	Commissioning of the diverted twin DN1400 Dong Jiang 0 Watermains (Stage 1)	0	27-May-15 A							 Commis 	ioning of the dive	ted twin DN1400	Dong Jiang V	/atermains (\$tag	e 1)											
MS-0220	Commissioning of the diverted twin DN1400 Dong Jiang 0 Watermains (Stage 2)	0	05-Sep-17*															♦ Co	mmissioning of	the diverted to	in DN1400 D	ng Jiang Watern	ains (Stage 2)			
MS-0230	Commissioning of the diverted DN2300 Dong Jiang Watermains 0	0	24-Dec-15 A									 Commis 	stoning of the	liverted DN2300	Dong Jiang Wa	termains										
MS-0310	Demolition of the whole Kiu Tau Vehicular Bridge 0	0	22-Mar-17 A										+				 Demolition of th 	e whole Kiu Ta	Vehicular Bridg	je						
MS-0320	Commissioning of re-aligned TWSRE 0	0 18-Sep-17																•	Commissioning	of re-aligned 1	WSRE					
MS-0410	TTA to divert TWSRW traffic to the completed re-aligned TWSRW 1 (exd. South Buffer Zone)	0 26-Apr-16 A	26-Apr-16 A										IΤ	TA to divert TWS	RW traffic to the	completed re-alig	ned TW6RW (excl.	South Buffer Z	one)							
MS-1010A	T1a: TTA to shift FLHS SB eastward to the widened pavement 1 (shift 1 lane)	0 09-Nov-14 A	09-Nov-14 A					I Tila: TA to sh	ift FLHS SB ea	astward to the	widened pavemer	it (shift 1 lane)														
MS-1010B	T1b: TTA to shift FLHS SB eastward to the widened pavement ((shift 2 lanes)	0 08-Mar-15 A	08-Mar-15 A						I TIb: TTA	to shift FLHS	SB eastward to th	e widened paver	nlent (shift 2 la	nes)												
MS-1010C	T1c: TTA to shift FLHS SB eastward to the widened pavement (shift 1 3 lanes)	0 22-Mar-15 A	22-Mar-15 A						I T1c:T	TA to shift FLF	IS SB eastward to	the widened pav	ement (shift 3	lanes)												
MS-1020	T2: TTA to shift FLHS NB eastward 1	0 27-Jun-15 A	27-Jun-15A							I T2:	TTA to shift FLHS	NB eastward														
MS-1030A	T3a: TTA to shift FLHS SB eastward to unoccupy the middle 1 (between CH7130 & CH7470) (TTA no.R-2)	0 07-Mar-16 A	07-Mar-16 A										I T3a: TFA1	o shift FLHS SB	eastward to uno	cupy the middle ((between CH7130 8	CH7470) [TT	no.R-2]							
MS-1030B	T3b: TTA to split FLHS NB & SB with 3 Lanes in the middle 1	0 20-Mar-16 A	20-Mar-16 A										1 ТЗЬ: ТТ	A to split FLHS N	B&SB with 3 La	ines in the middle	unoccupied (betwe	en CH7120 & 0	CH7470) (TTA n	o.R-2]						
MS-1040	unoccupied (between CH7130 & CH7470) [TTA.no.R.2] T4: TTA.to shift partial FLHN SB eastward to Temp. Pavement concertion FLMX'ss TTA Scheme TTTA no R-3	0 21-Aug-16 A	21-Aug-16 A												T4: TTA to shift	partial FLHN SB	eastward to Temp. F	Pavement con	ectintg FHW3's	TTA Scheme	TTA nb.R-3					
MS-1050	connecting FHW3's TTA Scheme [TTA no.R-3] T5: TTA to shift partial FLHN NB eastward to existing SB 1 T5: TTA to shift partial FLHN NB eastward to existing SB 1	0 26-Nov-16 A	26-Nov-16 A				+						+		1	T5: TTA to shift	patial FLHN NB ea	istward to exist	ng SB connecti	ng FHW3's TT	A Scheme (TT/	no.R-4]			·	
MS-1060a	connecting FHW3's TTA Scheme [TTA no.R-4] T6a: TTA to shift FLH SB eastward (shift 2 lanes) (North Portion) 1	1 23-Apr-17*	23-Apr-17														I T6a: TTAte	o shift FLH SB	eastward (shift 2	lanes) (North	Portion)					
MS-1060c	T6c: TTA to shift FLH SB Fast Lane eastward (North Portion) 1	1 30-Jun-17	30-Jun-17															T6¢: TTA to sh	it FLH S8 Fast	Lane eastwar	d (Noith Portio					
MS-1060c1	T6c1: TTA to shift FLH SB eastward (shift 3 lanes at Zone 5) 1	1 06-Oct-17	06-Oct-17																I T6c1: TTA to	shift FLH SB (astward (shift	anes at Zone 5)				
MS-1060d	T6d: TTA to shift FLH SB eastward (shift 3 Lanes) (South Portion) 1	1 22-Sep-17	22-Sep-17															1	T6d: TTA to shi	t FLIH SB eas	tward (shift 3 Li	nes) (South Porto	n)			
/IS-1060e	T6e: TTA to shift FLH SB Fast Lane to the Permanent Alignment 1	1 03-Nov-17	03-Nov-17				$\left \cdots \right $						+++-				-+-+		I TGe: TT	to shift PLH :	BFastLantet	the Permanent A	lignment;(4th l	ane) (South Portio	n);	
/IS-1060f	(4th lane) (South Portion) T6f: TTA to shift FLH SB Middle Lane to the Permanent Alignment 1	1 03-Dec-17	03-Dec-17) те	: TTA to shift F	LH SB Middle	Lane to the Perma	inent Alignmen	t (3rd lane) (South	Portion)	
MS-1060h	(3rd Iane) (South Portion) T6h: TTA to shift FLH SB Slow Lane to the Permanent Alignment 1	1 05-Jan-18	05-Jan-18																	T6h: TTA to	shift FLH \$B \$	low Lane to the P	ermanent Align	ment (2nd lane) (S	South Plortion)	,
MS-1070a	(2nd lane) (South Portion) 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), withir	SBZ					
MS-1070b	T7b: TTA to shift FLH SB Fast Lane to the Permanent Alignment 1	1 11-Aug-17	11-Aug-17															1 т76: т	TA to shift FLH	SB Fast Lane	to the Perman	nt Alignment (4th	anel), within St	z		
//S-1070c	(4th lane), within SBZ T7c: TTA to shift FLH SB Middle Lane to the Permanent Alignment 1	1 16-Sep-17	16-Sep-17				+												7c: TAte shift	FLH SB Midd	e Lanje to the I	ermanentAlionme	ent (3rd lane), v	within SB2		
//S-1070d	(3rd lane), within SBZ T7d: TTA to shift FLH SB Slow Lane to the Permanent Alignment 1	1 12-Nov-17	12-Nov-17																		ISB Slow Lane		Alignment (2n			
MS-1080a	(2nd lane), within SBZ T8a: TTA to shift FLH NB Fast Lane to the Permanent Alignment 1	0 24-Mar-17 A	24-Mar-17 A														Taa TTA to shift	FLH NB Fast	Lane to the Per			(South Portion)				
MS-1080b	(4th lane) (South Portion) T8b: TTA to shift FLH NB Middle Lane to the Permanent Alignment 1	1 16-May-17	16-May-17														1 785-7		NB Middle Lane		nent Alignmen	t (3rd lane) (South	Portion)			
MS-1080c	(3rd lane) (South Portion) T8c: TTA to shift FLH NB Slow Lane to the Permanent Alignment 1	1 11-Jun-17	11-Jun-17														Т	c: TTA to shift f	LH NB Slow La		nanent Alionm	ant (2nd lane) (Sh	uth Portion)			
MS-1090a	(2nd lane) (South Pontion) T9a: TTA to shift FLHS NB westward (shift 3 lanes), within SBZ 1	1 13-Aug-17	13-Aug-17																TA to; shift;FLHS		(shift:3 lanes)	within SBZ				
MS-1090b	T9b: TTA to shift FLHS NB Fast Lane to the Permanent Alignment 1	1 10-Oct-17	10-Oct-17																		Fast Lane to t	he Permanent Alin	nment (4th lan	e), within \$87		
MS-1090c	(4th lane), within SB2 T9c: TTA to shift FLHS NB Middle Lane to the Permanent 1	1 10-Nov-17	10-Nov-17																		\$ NB Middle L	are to the Perman		3rd lane), within S	87	
MS-10900	Alignment (3rd lane), within SB2 T9d: TTA to shift FLHS NB Slow Lane to the Permanent Alignment 1	1 10-Dec-17	10-Dec-17																1 100.1	d: TTA to shift		vLane to the Pern	nanient Alignme	nt (2nd lane), with		
MS-10900	Condition of the solution	1 08-Mar-18	08-Mar-18																			It FLHN NB Slow I	-			ithin NR7
MS-1110a	Alignment (stallan), within NBZ T11b: TTA to shift FLHN NB Middle Lane to the Permanent 1	1 22-Apr-18	22-Apr-18										ļļ									A to shift FLHN N				ed Idea)
MS-111 0b MS-111 0c	T11b: TTA to shift FLHN NB Middle Lane to the Permanent 1 Alignment (2nd lane), within NBZ T11c: TTA to shift FLHN NB Fast Lane to the Permanent Alignment 1																				(110) T			to the Permanent Lane to the Perma		
	(3rd lane), within NBZ	1 05-Jun-18	05-Jun-18																THEFT			e Permanent Aliq			nen Agner	ni (ara iaine
MS-1120a	T12a: TTA to shift FLHN SB Fast Lane to the Permanent 1 Alignment (4th Iane), witin NBZ T12b: TTA to shift FLHN SB Middle Lane to the Permanent 1	1 30-Sep-17	30-Sep-17																					nt (2nd lot =)	MP7	
MS-1120b	Alignment (3rd lane), witin NBZ	1 21-Nov-17	21-Nov-17																1 1126		LHN SB Middl			nt (3rd lane), witin		
MS-1120c	T12c: TTA to shift FLHN SB Slow Lane to the Permanent 1 Alignment (2nd lane), witin NBZ	1 11-Jan-18	11-Jan-18																	T12c: TTA	to shift FLHN S	B Slow Lane to th	e PermahentA	lignment (2nd lan	e); witin:NBZ	
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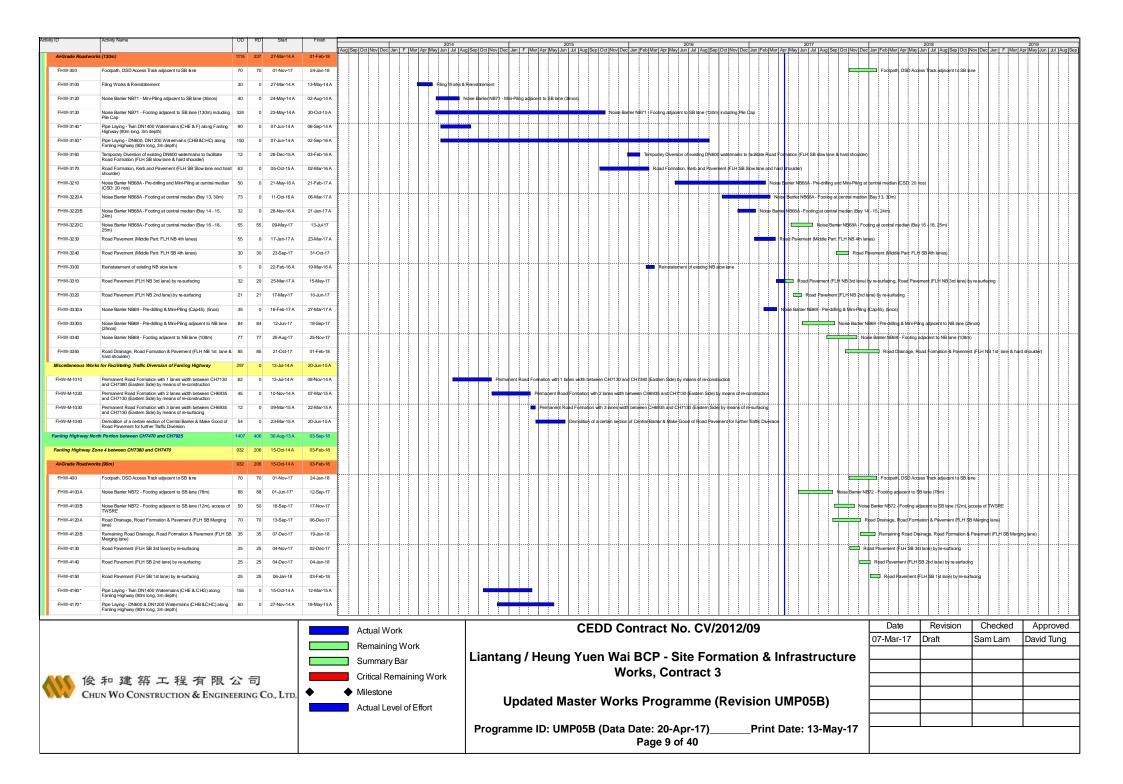


inity ID	Activity Name	OD	RD Start	Finish	2014 2015 2016 2017	2018		2019
PRE-1240	Approval of Water Mains Alignment beside Fanling Highway (CH6935-7380) (incl. Twin DN1400, DN1200, DN600, DN2300) -	45	0 19-Mar-14 A	31-Jul-14 A	Sep [Ott Nov/ Dec Jan F Marl Apr May Jun Ju Aug Sep [Ott Nov/ Dec Jan F Marl Apr May Jun Ju Aug Sep [Ott Nov/ Dec Jan Feb) Marl Apr May Jun Ju Aug Sep [Ott Nov/ Dec Jan Feb) Marl Apr May Jun Ju Aug Sep [Ott Nov/ Dec Jan Feb) Marl Apr May Jun Ju Aug Sep Ott Nov/ Dec Jan Feb) Marl Apr May Jun Ju Aug Sep Ott Nov/ Dec Jan Feb) Marl Apr May Jun Ju Aug Sep Ott Nov/ Dec Jan Feb) Marl Apr May Jun Ju Aug Sep Ott Nov/ Dec Jan Feb) Marl Apr May Jun Ju Aug Sep Ott Nov/ Dec Jan Feb) Marl Apr May Jun Ju Aug Sep Ott Nov/ Dec Jan Feb) Marl Apr May Jun Ju Aug Sep Ott Nov/ Dec Jan Feb) Marl Apr	May Jun Jul Aug Sep Oct N	lov Dec Jan F Mar Apr	pr May Jun Jul Aug Ser
PRE-1250		45	0 19-Mar-14 A	16-Jul-14 A	Accorded of Water Mains Alcomment beside existing TWSRE (rint, Twin DN1400, DN1200, DN2000, DN2000, TWSD			
PRE-1260	Approval of Water Mains Alignment beside existing TWSRE (incl. Twin DN1400, DN1200, DN600, DN2300) - WSD Approval of Water Mains Alignment beside Eanling Highway	45	0 19-Mar-14 A	11-Oct-14A	Cyclic and in agent metal or grant and an agent agent of the control of			
PRE-1200	Approval of Water Mains Alignment beside Fanling Highway (CH7380-7925) (incl. Twin DN1400, DN1200, DN600, DN2300) - WSD	90	0 15-Oct-15 A		Approva of Water Metrics Agametric deside raining regimery (C.P. 306) '92.5) ((ib): mitr D in 400, UNI 200, UNI 200			
	Approval of Water Mains Alignment at Portion FH6 (Incl. Twin DN1400, DN1200 and DN600) - WSD			14-Sep-16 A				
PRE-1280	Consent for pre-drilling and mini-piling works within WSD Tau Pass Restricted Zone -WSD		0 03-Oct-16 A	27-Mar-17 A	Corsent properting and minipiling works within WSD Tau Pase	esected 20ne-WSD		
PRE-1300	Liaison and approval for Utilities Diversion Plan - various utilities companies	150	0 19-Sep-13 A	25-Feb-14 A	Liskon and approved for Juttices Devension Pein - various/utilities companyies			
PRE-1400	Consent for Commencement of Works at the Potential Contaminative Land - EPD	60	0 15-Apr-14 A	31-Jul-14 A	Consent for Consent of Workslat This Projectial Conferminate Land: EPD			
PRE-1410	Approval of Lift for BFA for new Ku Tau Footbridge - HyD	60	12 27-Jul-16 A	05-May-17	Approvide of fail to deFA far new rds Table Foodbadge - HpD. /	proval of Lift for BFAfor new Ki	u Tau Footbridge - HyD	
Design Confirmation		903	33 16-Dec-13 A	31-May-17				
PRE-1500	Confirmation of Noise Barrier Footing Design (NB71) (CH7150 to CH7290) (under VO.39, 43, 74, 79, 99, 101 &111)	70	0 17-Apr-14 A	22-May-15 A	Confirmation of Notific Bailing Fouriery (Notific Bailing Fouriery Design NB77) (CEP115 to CP17240) (Journey NC39, 43, 74, 79, 93, 161, 161, 101)			
PRE-1510	Confirmation of Revised Retaining Structure along Slope no. 3SW-C/C898 (under VO. 78)	0	0	16-Apr-15 A				
PRE-1520	Confirmation of Noise Barrier Footing Design (NB1a) near WSD Tau Pass Restricted Zone (under VO.103)	0	0	20-Aug-15 A	Confirmation of Noise Barjer Footing Design (NB14) near WSD Tau Parts Restricted Zone (under VC) 503			
PRE-1530	Confirmation of Noise Barrier Footing Design (NB3) (under VO. 95, 98 & 109)	5, 0	0	22-Oct-15A	← Confirmation of Noise Barrier Footing Design NB3 (under VQ). 55; 98.8 (109)			
PRE-1540	Confirmation of details of Box Culvert (BC01) (under VO. 12)	0	0	16-Dec-13 A	◆ Confilmation of details of Box Quikek (BC01) (indef VO.12)			
PRE-1550	Confirmation of construction details of permanent boundary wall for pumping station PST2 (under VIO 16)	or O	0	07-Jan-14A	Confination of construction details of permanent boundary wall for pumping station PST3 (under VQ.15)			
PRE-1560	pumping station PST3 (under VO.15) Confirmation of Noise Barrier Footing Design (NB67)	0	0	23-Sep-16 A	Confirmation of Noise Barrier Fooding Design (NB6/)			
PRE-1570	Confirmation of Noise Barrier Footing Design (NB66)	0	0	29-Dec-16 A	♦ Cotimination pr Noble Bearr/Rodong Delagrir (NB66)			
PRE-1580	Confirmation of construction details of pile cap KT-2 of KT	34	0 14-Mar-16 A	04-May-16 A	Centimpatori of construction-steams of pile-capit K12 of VCF Footbackse			
PRE-1590	Footbridge Confirmation of Noise Barrier Footing Design (NB70) and	0	0	20-Apr-17*	♦ Confirmation of Noise Bahrer Footing Delign (NB76) and as	icated watermain diversion work	s	
PRE-1600	assolcated watermain diversion works Confirmation of construction details of FL/C2 to cater for existing	0	0	31-May-17*	♦ Confirmation bit construction betalls of RLC2 to capter			
	wall d Design (Major) Approved by AECOM	822		08-May-17				
PRE-2000	Submission of E&M design for the re-provisioned WSD Valve Control House	60	0 20-Jan-14 A	30-May-14 A	Submission of E&M design for the he-provisioned WSD Valve Control House			
PRE-2020	Submission of noise barrier design for absorptive panels, transparent panels and associated fixing details	60	0 11-Mar-14 A	22-Jul-15 A	Subvisación of rices banier deign fiv absorptive presis. Intrasponeir paeles and absorptive presis. Intrasponeir paeles and absorciated fiving details			
PRE-2030	Submission of E&M design for lighting of Kiu Tau Footbridge	60	14 05-Sep-16 A	08-May-17	Skonskon of ESM design for tighting of Kill Tal Foobridg			igé
PRE-2040	Submission of E&M design for lighting inside viaduct structures of Bridge A, B, C & D		14 01-Apr-16 A	08-May-17	Sibension b/ E&M design for lighting inside vaduar struct	es df Bridge A, B, C & D, Subtr	nission of E&M design for light	hting inside viaduct structur
PRE-2050	Submission of Shop Drawing for fabrication of Kiu Tau Footbridge Steelworks	60	0 02-Nov-15 A	25-Aug-16 A	Sudmission of Shop Drawing for television of Kiu Tau Footbyte Breekonie			
Contractor's Alternation	ive Design (AD) Submission & Approval	687	0 06-Aug-13 A	04-Mar-15 A				
PRE-4000	ACABAS submission & approval	50	0 03-Sep-13 A	17-Sep-13 A	ACARA sµumesionite approval			
PRE-4010	Contractor's Alternative Design AIP	56	0 06-Aug-13 A	09-Oct-13A	Contractor/Alternative Design AIP			
PRE-4110	Foundation Design Package A (AA1, AB1, AC1, AD1, AB12/AD14)	1) 36	0 03-Sep-13 A	11-Nov-13 A	Roundstion:Design Padage A (AA1, AB1, AC1, AD1, AB12AD14)			
PRE-4120	Foundation Design Package B (AC4, AA5)	36	0 19-Sep-13 A	11-Nov-13 A				
PRE-4130	Foundation Design Package C (AA12, AB5, AC2, AC3)	36	0 19-Sep-13 A	04-Dec-13 A	Foundation Design Papkage C (A412)ABS AC2 AC3)			
PRE-4140	Foundation Design Package D (AD2, AD3, AD4, AD5)	36	0 21-Nov-13 A	14-Jan-14 A	Foundation Design Redicage D/AD2, AD3, AD4, AD5,			
PRE-4150	Foundation Design Package E (AA5, AA8, AA10, AA11, AA12, AA14, AA17, AB2, AB5, AC2-AC4, AC6-AC10, AD2, AD4-AD6)	48	0 26-Sep-13 A	30-Jan-14 A	Fundation Desigh Parkages E (A)AS, A)AI, A)A11, AA12, AA14, A)A17, AB2, AB3, AC2, AC4, AO5-AC10, AD2, AD4-AD5)			
PRE-4160	Foundation Design Package F (AA2-AA4, AA6, AA7, AA15, AA16,	48	0 25-Dec-13 A	10-Mar-14 A	Fpundation/Design Pajotage F (AA2-AAA, AA6, AA7, AA15, AA16, A83-A84, A88-A811, AD7, AD10(AD15)			
PRE-4170	AB3-AB4, AB8-AB11, AD7, AD10-AD13) Foundation Design Package G (AA9, AA13, AA18, AB6-AB7, AC5, AC11-AC12, AD6-AD9)	i, 48	0 28-Jan-14 A	16-Apr-14 A	Condición Design Paciage G(A48, A415, A56-A57, AC5, AC1+AC12, A08-A(3)			
PRE-4170A	AC11-AC12, AD8-AD9) Foundation Re-design Package for Bridge B2/D3	0	0	03-Sep-14 A	♦ Fojundajion Re-dagiajn Padagae flar Bridga (2003)			
PRE-4180		48	0 02-Dec-13 A	30-Jan-14 A	Pié Cap Deson Pistaite A (AA2 AA4 (AA2 AA4 (AA2 AA4 (AA2 AA3 (AA14), AA14, AA17, AB2 AB5, KC2/AC4 (AC6)A C16, AD2 AD11, AD7)			
PRE-4180	Pile Cap Design Package A (AA2-AA4, AA6-AA8, AA10-AA12, AA14-AA17, AB2-AB5, AC2-AC4, AC6-AC10, AD2-AD4, AD7) Pile Cap Design Package B (AA5, AB8-AB11, AD12-AD13)	40		10-Mar-14 A	Pie can Deigni Frazilien (Moz-trivi, Moz-trivi, Mo			
PRE-4190B	Pile Cap Design Package C (AA9, AA13, AA18, AB6-AB7, AC5, AC11, AC12, AD5-AD6, AD8-AD11)	48	0 28-Jan-14 A	16-Apr-14 A	Pie Cap Design Padage C (A&B, AA13, AA18, AB8, AB1, AC3, AC11, AC12, AD5, AD6, AD8, AD11)			
					Actual Work CEDD Contract No. CV/2012/09 Date	Revision	Checked	Approved
					07-Mar-1			David Tung
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					Worke Contract 2			
後	和建築工程有限	公言	5		Critical Remaining Work Works, Contract 3			
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PRE-4340A Superstructure Design Plackage 4 for Bidge D1 (AD1-ADD) 10 0 0*74wg+14A 30-Seg-14A PRE-4340A Superstructure Design Plackage 6 for Bidge D1 (AD1-ADD) 10 0 0*30-44A 0*30-56-14A 0*30-56-14B				
PRE-4300 Superstructure Design Package 8 for Bridge D2 (AD6 AD8) 6 0 0-U-H44 12-U-H54				
PRE-430C Superstructure Design Package 5 for Birdge D3 (AD9AD-H4) 16 0 074my-14A 12.im-15A Image: Condition Survey for Birdge D3 (AD9AD-H4) Image: Condition Survey for Birdge D3				
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Condition Survey 18 0 25-Aug-13A 22Oc11A PRE-500 Condition Survey for EBS 18 0 26-Aug-13A 22Oc11A Temporary Traffic Arrangement (TA) Submission and Approval 60 12-Aug-13A 15Od15A Femming of TML-T 60 12-Aug-13A 15Od15A PRE-6000 Traffic consultant nomination & approval 25 0 20-Aug-13A 29-Aug-13A PRE-6000 Traffic consultant nomination & approval 25 0 20-Aug-13A 29-Aug-13A Traffic consultant nomination & approval 16 Traffic consultant nomination & approval 16 13-Beptive				
PRE-500 Condition Survey for EBS 18 0 26-Aug-13A 22-Out1A Temporery Traffic Arrangement (TA) Submission and Approval 94 0 12-Aug-13A 15-Out16A Forming of TMLG 60 0 12-Aug-13A 13-Sep 13A PRE-5000 Traffic consultant nomination & approval 25 0 20-Aug-13A 29-Aug-13A Traffic consultant nomination & approval 16 17 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16				
Temporary Taills Arrangement (TA) Submission and Approval 947 0 12-Aug13A 15-Oc16A Forming of TMLC 50 0 12-Aug13A 15-Oc16A PRE-6000 Trafic consultant nomination & approval 25 0 20-Aug13A 13-Bep13A				
Forming of TMLC 50 0 12-Aug-13A 13-Sep-13A PRE-6000 Trafic consultant nomination & approval 25 0 20-Aug-13A 18 Trafic consultant nomination & approval				
PRE-6000 Trafic consultant nomination & approval 25 0 20-Aug-13A 29-Aug-13A Trafic consultant nomination & approval				
The fail Wo Service Road West 302 0 13-Sep-13.4 06-Jun-14.4				
PRE-6110 TTA submission & approval - Scheme W2 (for Pling Works & 40 0 13-Sep-13A 15-Oct-13A methods) - Scheme W2 (for Pling Works & Retaining Structure)				
PRE-6140 TDA submission & approval - Scheme W3 (for bying UU dutding) 40 0 284/by-14A 06-Jun-14A 1 1 TA submission & apprival Scheme W3 (for bying UU dutding)				
Revised TTA Scheme for Failing Highway Widening Worke 5 0 15-Sep-14A 23-F8b-16A				
PRE-6300 Developed a feasible "combined TTA scheme" with Interface 0 0 0 15-Sep-14A 13-Feb-15A Contractor at SB2 and NB2				
PRE-6310 Developed "Revised TIA schemes" for Fanling Highway widening works to the in with the Interface Contractor's TTA schemes for Fanling Highway widening works to the in with the Interface Contractor's TTA schemes				
PRE-6320 Issuance of VO No.115 to proceed the "Revised TTA Schemes" 0 0 0 23-Feb-16A				
TTA for Demolition of Klu Tau Vehicular Bridge 0 0 15-Oct-16A 15-Oct-16A				
PRE-6400 Approval and Implementation of TTA for Demoltino of Vehicular 0 0 0 15-Oct-16A				
Bridge Section IA & IB - Fanling Highway Widening (KD-1 & KD-2) 1421 406 12-Aug-13A 03-Sep-18				
Fanling Highway South Portion between CH6935 and CH7470 1254 239 12-Aug-13A 03-Feb-18				
AFGrade Roadworks (195m) 1254 239 12-Aug-13A 03-Feb-18				
Actual Work CEDD Contract No. CV/2012/09	Date Revi	vision	Checked	Approve
07-Mz			am Lam	David Tun
Remaining Work				1
Summary Bar Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure				1
後和建築工程有限公司 Critical Remaining Work Works, Contract 3				+
				<u>+</u>
				+
Actual Level of Effort				+
Programme ID: UMP05B (Data Date: 20-Apr-17)Print Date: 13-May-17				L
Page 6 of 40				



Activity ID		Activity Name	OD	RD	Start	Finish	-			1			2014							2015						2016						2017		_		_	_	201	18	_			2019	
FHW	-2350	Road Drainage, Road Formation & Pavement (FLH NB 1st lane &	85	85	21-Oct-17	01-Feb-18	Aug S	ep Oct I	Nov Der	c Jan	F Mar	Apr May	Jun Jul	Aug Se	p Oct N	lov Dec	Jan F	Mar Ap	or May Ju	in Jul A	ug Sep O	ct Nov I	Dec Jan F	eb Mar /	Apr May	Jun Jul	Aug Sep	Oct Nov I	Dec Jan	Feb Mar	Apr Ma	Jun Jul	Aug Sep	Oct No	v Dec J	an Feb M	d Drainage	ay Jun . e, Road F	Jul Aug S	Sep Oct No & Pavement (/ Dec Jan LH NB 1st la	F Mar A ine & hard	pr May Ju shbulder)	1 Jul Aug Sep
FHW	-2360	hard shoulder) Temporary Platform for Mini-Pile Installation Works within W SD	12	0	28-Mar-17 A	11-Apr-17 A																									Temp	grary Platfo	rm for Mir	oi-Pile ins	stallation '	Norks withi	in WSD R	estriction	700 P					
		Restriction Zone																																										
		re 3 between CH7290 and CH7380		237		01-Feb-18																																		.				
Box C	Culvert Extensi	on - ID4	1172	0	05-Nov-13 A	14-Mar-17 A																																						
ID4-3	1000	Demolition of existing box structure	7	0	14-Feb-14 A	01-Mar-14 A					🗖 De	molition o	f existing	blox struct	ure																													
ID4-3	1010	Flow diversion of existing stream	4	0	05-Nov-13 A	16-Nov-13 A			Flow	v diversio	on of exi	ting strea	m	+																														
ID4-3	020	Installation of dowel bar for connection to existing box structure	4	0	03-Mar-14 A	07-Mar-14 A					1 Ir	stallation	of dowel b	ar for con	nection to	existing	box struct	ure																										
ID4-3	030A	Bay 1 - Excavation	4	0	03-Mar-14 A	04-Mar-14 A					в	v 1 - Exca	avation																															
												ľ																																
ID4-3		Bay 2 - Excavation	4	0	18-Nov-13 A	03-Dec-13 A			В	say 2 - E	xcalvatio																																	
ID4-3	030C	Bay 3 - Excavation	4	0	18-Nov-13 A	18-Dec-13 A			-	Bay 3	Excava	tion																																
ID4-3	040A	Bay 1 - Sub-base & Blinding	3	0	04-Mar-14 A	05-Mar-14 A					∎ B	ay 1 - Sub	base & B	linding																														
ID4-3	040B	Bay 2 - Sub-base & Blinding	3	0	04-Dec-13 A	24-Dec-13 A			-	Bay 2	- Sub-b	ase & Blin	ding																															
ID4-3	040C	Bay 3 - Sub-base & Blinding	3	0	19-Dec-13 A	23-Dec-13 A				Bay 3	- Sub-bi	se & Blin	ding																															
ID4-3	050A	Bay 1 - Base Slab	7	0	07-Mar-14 A	12-Mar-14 A						ay 1 - Ba	se Slab																															
ID4-3	1050B	Bay 2 - Base Slab	7	0	27-Dec-13 A	04-Jan-14 A				Bay	2 - Roo	Slah																																
														Ļ																			ļļ											
	050C	Bay 3 - Base Slab	7	0	27-Dec-13 A	04-Jan-14 A				Bay	3-Basi																																	
ID4-3	1060A	Bay 1 - Wall and Top Slab	13	0	13-Mar-14 A	26-Mar-14 A					-	Bay 1 - \	∧Valland⊺	op Slab																														
ID4-3	060B	Bay 2 - Wall and Top Slab	21	0	07-Jan-14 A	21-Jan-14 A				•	3ay 2 - V	a II and To	o Slab																											.				
ID4-3	060C	Bay 3 - Wall and Top Slab	21	0	07-Jan-14 A	21-Jan-14 A				E B	Bay 3 - V	a II and To	o Slab																															
ID4-3	1070	Construction of Temporary Road for Site Access	12	0	24-Jan-14 A	14-Feb-14 A				🖕	Cons	truction of	Tempora	y Road fo	r Site Acc	ess																												
ID4-3	1080	Construction of Wing Wal, Cascade and Head Wall	35	0	24-Dec-13 A	15-Feb-14 A					Cons	truction of	Wing Wa	al, Cascar	detand He	ead Wall			·																									
ID4-3	1000	Bay 1 - Remaining Base Slab (To be carried out after diversion of	95	0	30-Nov-16 A	14-Mar-17 A																									David Re	maining B	no Seb (Theorem	mind out	tordiuori	inn of DN1	400 water	(mmmm)					
		DN1400 water mains)																													ay i - ite	maning D	qse stau (o de can	indu Outra	ner uiverak		ioq water	(inapits)					
Box C	Culvert Extensi	on - ID5	288	0	05-Nov-13 A	15-Mar-14 A																																						
ID5-3	000	Demolition of existing box structure	7	0	14-Feb-14 A	25-Feb-14 A					De	nolition of	existing t	bbx structi	en																													
ID5-3	1010	Flow Diversion of Existing Stream	4	0	05-Nov-13 A	12-Nov-13 A		1	Flow	Diversio	on of Exi	ting Strea	am 🛛																															
ID5-3	1020	Installation of Dowel Bar for Connection to Existing Box Structure	4	0	26-Feb-14 A	26-Feb-14 A				++	t Ins	allation of	Dowel Ba	ar for Con	nection to	Existing	Box Struct	ture	÷			··†··†											·											
ID5-3	1030A	Bay 1 - Excavation	4	0	26-Feb-14 A	28-Feb-14 A					Ba	y1-Exca	vation																															
ID5-3	030B	Bay 2 - Excavation	4	0	13-Nov-13 A	21-Nov-13 A			Bay	v 2 - Exc	avation																																	
			4																																									
ID5-3		Bay 3 - Excavation		0		21-Nov-13 A			Bay	y 8 - Exc	avation																																	
ID5-3	1040A	Bay 1 - Sub-base & Blinding	3	0	01-Mar-14 A	01-Mar-14 A					Ba	y 1 - Sub-	base & Bli	nding																														
ID5-3	040B	Bay 2 - Sub-base & Blinding	3	0	22-Nov-13 A	10-Dec-13 A			-	Bay 2 +	Sub-bas	e & Blindin	g																															
ID5-3	040C	Bay 3 - Sub-base & Blinding	3	0	22-Nov-13 A	27-Nov-13 A			Ba	ay 3 - Su	ıb-base i	Blinding																																
ID5-3	1050A	Bay 1 - Base Slab	7	0	03-Mar-14 A	08-Mar-14 A						ay 1 - Bas	ie Slab																															
ID5-3	050B	Bay 2 - Base Slab	7	0	11-Dec-13 A	20-Dec-13 A				Bay 2	- Báse S	lab																																
ID5-3	050C	Bay 3 - Base Slab	7	0	28-Nov-13 A	09-Dec-13 A			_	Bay 3 E	Base Sla	6																																
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ID5-3		Bay 1 - Wall and Top Slab	13	0	11-Mar-14 A	15-Mar-14 A						pay i - Wa	all and Top	, SIRD																														
ID5-3		Bay 2 - Wall and Top Slab	21	0	23-Dec-13 A	09-Jan-14 A			1	Ber		and Top	Slab																															
ID5-3	060C	Bay 3 - Wall and Top Slab	21	0	21-Dec-13 A	27-Jan-14 A				-	Bay 3 - 1	Vall and T	op Slab																															
ID5-3	1070	Construction of Temp orany Road for Site Access	12	0	27-Jan-14 A	14-Feb-14 A				=	Cons	truction of	Tempora	y Road fo	r Site Acc	cess																												
ID5-3	080	Construction of Wing Wal, Cascade and Head Wall	45	0	06-Jan-14 A	13-Mar-14 A				-	<u> </u>	Constructio	on of Wing	gWall, Ca	ascade an	nd Head	Wall																											
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								Actu	ual V	Vork										C	ED	DC	Cont	trac	t N	o. C	C/V	2012	2/09)						D	Date	'	Revis	ion	Check	œd	Ap	proved
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	份	和建築工程有限	15	司				Criti	ical F	Rem	ainir	ng Wo	ork									V	vori	KS, (Lor	ntra	ct 3	•							ŀ			+		\rightarrow				$\neg \neg$
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	CHU	IN THE CONSTRUCTION & ENGINE	CERIN	NG C	LID.	-					of F	ffort				U	lpda	ate	d N	last	ter \	No	rks	Pro	gra	ımm	ne (Rev	isio	on l	JMI	P05	B)		ŀ			+		-+				
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															Pro	gra	mme	e ID): UI	MP0	5B (Data	a Da	te: 2	20-A	pr-1	7)		Ρ	rint	Date	e: 13	8-Ma	v-17	7 ŀ									
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Activity ID	Activity Name OI	RD	Start	Finish																														
					Aug Sep 0	Oct Nov Dec	Jan F M	lar Apr May J	2014 Jun Jul A	Aug Sep Oct	t Nov Dec	Jan F	Mar Apr	201 May Jun	15 Jul Aug Se	p Oct Nov	Dec Jan	Feb Mar A	2 pr May Jun	016 Jul Aug	Sep Oct N	lov Dec Jan	Feb Mar		2017 in Jul Aug Se	p Oct Nov C	Dec Jan Feb	Mar Apr May	2018 Jun Jul Au	ig Sep Oct No	v Dec Jan	F Mar Apr	2019 May Jun Jul J	ug Sep
FHW-4210	Noise Barrier NB68A - Footing at central median (Bay 19 - 20, 86 54m)	86	06-Jun-17	14-Sep-17																						Noise Barrier	NB68A Foo	ting at central	noedian (Bay 19	9 - 20, 54m)				
FHW-4220	Road Pavement, and Central Barrier (Middle Part: FLH SB 4th 30 lanes)	30	23-Sep-17	31-Oct-17																						Rope	d Pavement, a	and Central Ba	nier (Niddle Pa	art FLH SB 4th	lanes)			
FHW-4240	Demolition of existing central divider 14	14	18-Jul-17	02-Aug-17																					🗖 Demo	olition of existin	ig central divid	er						
FHW-4250	Road Pavement (FLH NB 4th lane) by re-surfacing 25	25	03-Aug-17	31-Aug-17	-																				- F	Road Pavemer	nt (FLH NB 41	h lane) by re-s	Ifacing					
FHW-4310	Road Pavement (FLH NB 3rd lane) by re-surfacing 25	25	02-Sep-17	30-Sep-17	-																					Road Pav	ement (PLH N	IB 3rd lane) by	te-sulfacing					
FHW-4320	Road Pavement (FLH NB 2nd lane) by re-surfacing 25	25	03-Oct-17	02-Nov-17																			-	-		Roa	d Pavement (FLH NB 2nd Is	ne) by re-surfa	cina.				
FHW-4330	Road Drainage, Road Formation & Pavement (FLH NB 1st lane & 76			03-Feb-18	_																							oad Drainage,		n & Pavement	(FLH NB 1st k			
	hard shoulder)																											au bialidge,	isoau ronnanc	on a ravenieni	(ICITIND TOPE		ouidei)	
_	ne 5 between CH7470 and CH7600 (Provision of Kiu Tau Foo 110			03-Feb-18																														
Kiu Tau Footbridge	Reprovision (East) 96	9 191	05-Aug-14 A	06-Dec-17																														
FHW-5000	Predrilling works for Socket H-Piles 45	0	05-Aug-14 A	14-Aug-14 A					•	Predriling	works for S	Socket H-Pi	es																					
FHW-5000A1	KT-AB1 - Piling Works (7 out of 12 nos of Pile) - Phase 1 60	0	29-Sep-14 A	14-Jan-15 A								KT-AB	31 - Piling V	Vorks (7 out	it of 12 nos o	of Pile) - Pha	se 1																	
FHW-5000A2	KT-AB1 - Piling Works (5 out of 12 nos of Pile) - Phase 2, conflict 25	0	25-Sep-15 A	17-Oct-15A	-											KT-A	81 - Piling \	Vorks (5 out	of 12 nos of	Pile) Pha	e 2, conflict	with temp cy	de track/ ex	isting tree										
FHW-5000A3	with temp cycle track/ existing tree Remedial Works for 2no. defective pile no. AB1-7a, AB2-4a 12	. 0	16-May-16 A	17-Jun-16 A															-	Remedial	Works for 2n	o. defective p	ile no. AB1	7a, AB2-4a										
FHW-5000B	KT-AB2 - Piling Works (4 out of 4 nos of Pile) - Phase 1 20			27-Nov-14 A								AR2 DE-	a Worke /4	outora	s of Pile) - P	hase 1																		
											K	KT-P2 - Pi																						
FHW-5000C1	KT-P2 - Piling Works (3 out of 6 nos of Pile) - Phase 1 30			20-Dec-14 A								K1-P2 - P	mig w∕orks	(3 out of 6	nos of Pile)	nase 1																		
FHW-5000C2	KT-P2 - Piling Works (3 out of 6 nos of Pile) - Phase 2, conflict with existing TWSRE	0	19-May-16 A	17-Jun-16 A										T					-	KT-P2 - Pil	ng Works (3	out of 6 nos	of Pile) - Ph	ase 2, confli	ct with existing T	WSRE								
FHW-5000D1	KT-P3 - Piling Works (5 out of 6 nos of Pile) - Phase 1 40	0	06-Oct-14 A	24-Dec-14 A						-	++-	KT-P3 - P	iling Works	(5 out of 6	i nos of Pile)	- Phase 1																		
FHW-5000D2	KT-P3 - Piling Works (1 out of 6 nos of Pile) - Phase 2, conflict with 6 temp cycle track/ existing tree	0	02-Dec-14 A	24-Dec-14 A							=	KT-F3 - F	iling Works	(1 out of 6	nos of Pile)	- Phase 2, c	onflict with	temp cycle tr	ack/ existing	tree														
FHW-5000E	KT-P4 - Piling Works (8 out of 8 nos of Pile) - Phase 2, conflict with 40	0	30-Sep-15 A	03-Nov-15 A												н к	-P4 - Piling	Works (8 ou	it of 8 nos o	fPile) Pha	e 2, conflict	with temp cy	die track/ ex	isting tree										
FHW-5010	temp cycle track/ existing tree Inspection & verify Works for the 3nos. suspected defected piles 35	0	20-Nov-15 A	17-Mar-16 A																	or the 3nds.	suspected de	efected piles	s (AB1-7, AB	2-4, P3:9)									
FHW-5010A1	(AB1-7, AB2-4, P3-9) KT-AB1 (North Portion) - Pile Cap, Abutment and Bearing 65			17-Dec-16 A																					Cap, Abutment	and Relation of In	ortellation							
	Installation		-																			- N174												
FHW-5010A2	KT-AB1 (South Portion) - Pile Cap, Abutment and Bearing 44 Installation 44			20-Feb-17 A																			KT-AE		ortion) - Pile Cap	, Abutmentan	d Bearing Inst	allation						
FHW-5010B	KT-AB2 - Pile Cap, Abutment and Bearing Installation 65	0	04-Aug-16 A	14-Dec-16 A																		KT-AE	2 - Pile Ca	p, Abbutment	and Bearing Ins	stallation								
FHW-5010C1	KT-P2 & P3 - Pile Cap 65	0	01-Aug-16 A	11-Oct-16A																	н кт	P2 & P3 - Pile	Cap											
FHW-5010C2	KT-P2 & P3 - Pier Construction 22	. 0	03-Nov-16 A	15-Dec-16 A																		KT-P2	2 & P3 - Pier	r Constructio	n									
FHW-5010C3	KT-P2 & P3 - RC Deck & Bearing Installation 30	0	14-Jan-17 A	21-Jan-17 A							·												KT-P2 & P	3 RC Deck	& Bearing Insta	llation				+				
FHW-5010D1		0		23-Aug-16 A																	KT-P4 - Pie	Cap												
FHW-5010D2	KT-P4 - Pier Construction 40			05-Nov-16 A																		KT-P4 - Pier		•										
FHW-5010D3	KT-P4 - RC Deck & Bearing Installation 30	0	03-Dec-16 A	21-Dec-16 A																		🗖 КТР	4 - RC Dec	k & Bearing	Installation									
FHW-5020	Steel Truss Installation at TWSR East 3	0	23-Mar-17 A	01-Apr-17 A																				Stell Truss	Installation at T	WSR Bast								
FHW-5030	Erection of Temporary Support and Working Platform at Central 6 Median for Steel Truss Installation	0	17-Jan-17 A	17-Jan-17 A							1					1						T	Erection of	Temporary S	Support and Wor	rking Platform	at Central Me	dian for Steel 1	russ Installation	n				
FHW-5040a	Steel Truss Installation across Fanling Highway 3	0	20-Feb-17 A	23-Feb-17 A																			Steel	Tuss Install	lation across Far	nling Highway								
FHW-5040b	On-site Welding and touch up paint for FB-1-1 and FB-1-2 after 5	0	24-Feb-17 A	31-Mar-17 A																				On-site We	ading and touch	up paint for F	B-1 1 and FB	1-2 after main	tiusse rection					
FHW-5050a1	main truss erection Construction of Concrete Bridge Decking (Portion: across FLH) 10	0	18-Mar-17 A	28-Mar-17 A																				Construction	n of Cohcrete Br	ridge Deckine i	(Portion: acros	is FLH)						
FHW-5050a2				27-Apr-17																									(Port-	note El IN				
																								u installa	ation of Roofing				ng (Portion: acr	uas runi)				
FHW-5050b1	Construction of Concrete Bridge Decking (Portion: at TWSRE) 5	0	29-Mar-17 A	01-Apr-17 A																				Constructio	in of Concrete B	tridge Dtecking	(Portion: at T	WSRE)						
FHW-5050b2	Installation of Roofing (Portion: at TWSRE) 18	18	20-Apr-17	12-May-17																				🗖 Inst	allation of Roofir	ng (Portion: at	TWSRE)							
FHW-5050c1	Construction of Concrete Bridge Decking (Portion: at TWSRW) 18	0	21-Feb-17 A	17-Mar-17 A																			– c	onstruction (of Concrete Brid	lge Decking (P	ortion: at TWS	RW)						
FHW-5050c2	Installation of Roofing (Portion: at TWSRW) 18	0	18-Mar-17 A	09-Apr-17 A																				Installatio	n of Robfing (Po	ortion: at TWSI	RW							
FHW-5060	Opening of new footbridge 0	0		28-Apr-17																				Openi	ng of new footb	ridge								
						ctual W	ork								CE	DD (Con	trac	t No	. CV	//201	2/09)				(Date	Rev	ision	Check	ed	Approv	ed
																											07-N	/lar-17	Draft		Sam La		David Tur	
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1A	和建筑工程有限公	클			C	ritical R	emaini	ing Wor	'k								Nor	ks, C	Cont	ract	: 3													
	和建築工程有限公 JN Wo Construction & Engineer		Co I-	•		lilestone		-																					-			-+		
CHU	JN WO CONSTRUCTION & ENGINEER	ING	CO., LTD.	-							ι	Jpd	ated	d Ma	aster	r Wo	orks	Pro	qrar	nme	e (Re	evisio	on L	JMP	05B)				-			-+		
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Activity ID	Activity Name	OD R	Start	Finish		2014				2015				2016			2017		1	20	19			2010
FHW-5070a	Installation of Lighting Facilities	45 4	5 31-Jul-17	20-Sep-17	Aug Sep Oct Nov Dec Jan	F Mar Apr May Jun Jul	Aug Sep Oct	Nov Dec Jan	F Mar Apr		Aug Sep Oct N	ov Dec Jan Feb	Mar Apr May		Sep Oct Nov D	ec Jan Feb Mar A			Dec Jan Feb Ma of Lighting Fabilitie			t Nov Dec Jan	F Mar Apr	May Jun Jul Aug
FHW-5070b	Installation of Drainage Pipe	30 3	0 29-Apr-17	06-Jun-17														ion of Drainage Pipe						
FHW-5070c	Laving of Floor Tiles		· · ·	29-Jul-17																				
																		Laying of Floor Tile						
FHW-5070d	Installation of Suspended Ceiling	45 4	5 31-Jul-17	20-Sep-17														Installatio	of Suspended Ce	ing				
FHW-5080	Additional BFA Facilities - Piling Works (4 out of 4 nos of Pile) - Phase 1 (covered by VO no. 59)	20	0 30-Dec-14 A	14-Jan-15 A					Additional BFA	Facilities - Piling	Works (4 out of 4	nds of Pile) - Pha	se 1 (covered by)	Ono. 59)										
FHW-5090a	Additional BFA Facilities - Pile Cap (covered by VO no. 59)	50	0 01-Aug-16 A	12-Nov-16 A										-	Ad	ditional BFA Pacilities	Pile Cap (covere	dbyVOno.59)						
FHW-5090b	Additional BFA Facilities - Sump Pit (covered by VO no. 59)	35	8 06-Apr-17 A	28-Apr-17												-	Additional BF	Facilities - Sump Pi	(covered by VO no	59), Additional B	BFA Fadilites - Sun	ng Pit (povered by	VO no. 59)	
Provision of BFA	Facilities (Lift)	153 15	3 07-Jun-17	06-Dec-17																				
FHW-L-1000	RC Works for Lift Shaft	38 3	8 07-Jun-17	21-Jul-17														RC Works for Lift Si	aft					
FHW-L-1010	Glazing & Louvre Installation	38 3	8 22-Jul-17	04-Sep-17														Glazing & Lo	uvre Installation					
FHW-L-1020	Metal Roof	20 2	0 05-Sep-17	27-Sep-17		++							+					🔲 Metal Ro	of				 	
FHW-L-1030	Lift Installation	50 5	0 28-Sep-17	28-Nov-17	_														Lift Installation					
FHW-L-1040	Finishes / Builder's Works	30 3	0 28-Sep-17	04-Nov-17														E F	ishes / Builders W	riks				
FHW-L-1050	E&M Works including T&C	60 6																E&M W						
	-			29-Sep-17														E GINI W						
FHW-L-1060	Testing & Commissioning		7 29-Nov-17	06-Dec-17															Testing& Comm	ssioning				
Works at existing 1		1103 23		03-Feb-18																				
FHW-5400	Demolition of Existing Structure and Site Clearance	45	0 15-Apr-14 A	13-May-14 A		Demolition of	f Existing Strue	ture and Site (earance															
FHW-5410A	Preparation Works for TTA Scheme E2	51	0 11-Apr-15 A	08-Jun-15 A						Prepara	ation Worksfor TT	A \$cheme E2												
FHW-5410B	Implementation of TTA - Scheme E2 (shifting TWSR East towards Pier AA4 for pipe laying works at crossing)	0	0 09-Jun-15 A							♦ Implem	entation of TTA -	Scherne E2 (shifti	ing TWSR East to	wards Pier AA4 f	for pipe laying w	orks at clossing)								
FHW-5420A	Preparation Works for TTA Scheme E3A (shifting TWSR East westward, at the existing ramp of Kiu Tau Footbridge)	50	0 07-Nov-15 A	02-Mar-16 A									Preparation W	orks for TTA Sch	ierne E3.A (shifti	ng TWSRt East westw	and, at the existing	ramp of Kiu Talu Foo	tbridge)					
FHW-5420B	Implementation of TTA - Scheme E3A (shifting TWSR East	0	0 07-Mar-16 A										 Implementati 	n of TTA - Sche	me E3A (shifting	TWSR East westwa	ind, at the existing t	amp of Kiu Tau Foot	ridge)			·····		
FHW-5430	westward, at the existing ramp of Kiu Tau Footbridge) Completion of Demolition of existing Control Valve House	0	0	06-Dec-16 A												Completion of Demo	alition of existing C	ontrol Valve House						
FHW-5440	Demolition of existing Kiu Tau Footbridge at southein side incl.	12 1	2 29-Apr-17	15-May-17													Demolition	of existing Kiu Tau F	otbridge at southe	n side incl. staire	case and ramp and	d lemp support		
FHW-5460	stairecase and ramp and temp support Preparation Works for TTA scheme E3B (Shifting TWSRE East	38 3		29-Jun-17													Pro		A scheme E3B (Sh			e area of existing	Kiu Tau Footbrid	(10)
FHW-5470	Westward, at the area of existing Kiu Tau Footbridge)		0 30-Jun-17	2000117															Scheme E3B (Shift			anea of existing K		-90)
	Implementation of TTA - Scheme E3B (Shifting TWSRE East Westward, at the area of existing Kiu Tau Footbridge)																	nementation of TTA-						e)
FHW-5480	Noise Barrier NB72 & NB73 (Stage 1) - Footing adjacent to SB lane (97m)	127 12		29-Nov-17																2 & NB73 (Stage		ent to SB lane (9	'm)	
FHW-5480A	Grouting Works for the existing DN1 400 watermain and Removal of existing watermain	26 2	6 14-Sep-17	16-Oct-17														Grou	ng Works for the e	esting DN1 400 w	atermain and Rem	noval of existing w	atermain	
FHW-5480B	Noise Barrier NB73 - Mini-Piling adjacent to SB lane (CSD: 12 no	46 4	6 30-Sep-17	25-Nov-17															Noise Barrier NB7	3 - Mini-Piling adj	acent to SB lane (C	CSD: 12 nos)		
FHW-5480C	Noise Barrier NB72 & NB73 (Stage 2)- Footing adjacent to SB lar (13m)	e 39 3	9 27-Nov-17	13-Jan-18															Noise Bar	ner NB72 & NB7	3 (Stage 2)- Footin	g adjadent to SB	ane (13m)	
FHW-5480D	Remaining Road Drainage, Road Formation & Pavement (FLH S Merging lane)	B 18 1	8 15-Jan-18	03-Feb-18															🗖 Rema	ning Road Drain	age, Road Format	ioh & Pavement (FLH SB Mergin	g lanle)
FHW-5490	Road Drainage, Road Formation & Pavement (FLH SB Merging Jane)	75 7	5 06-Nov-17	03-Feb-18															Road	Drainage, Road	Formation & Paver	ment (PLH SB Me	rging lane)	
At-Grade Road Wo	rks (130m)	167 16	7 18-Jul-17	03-Feb-18																				
FHW-5100	Road Pavement (FLH SB 1st lane) by re-surfacing	14 1	4 18-Sep-17	04-Oct-17														🔲 Réad P	avement (FLH SB	st lane) by re-su	rfacing			
FHW-5110	Road Pavement (FLH SB 3rd lane) by re-surfacing	25 2	5 04-Nov-17	02-Dec-17															Road Pavement	(FLH SB 3/d lane	e) by re-sulfacing			
FHW-5120	Road Pavement (FLH SB 2nd lane) by re-surfacing	25 2		04-Jan-18																	nd lane) by re-surfa	cina		
FHW-5210				02-Nov-17	.								ļļļ					R						
	Road Formation & Pavement, Central Barrier (South Side) (FLH SB 4th lane)	22 2																		vernerat, Central	Barri¢r (Soluth Side) (FLH SB 4th Ian	2)	
FHW-5230	Demolition of existing central divider	14 1		02-Aug-17														Demolition of exis						
FHW-5240	Road Pavement (FLH NB 4th lane) by re-surfacing	25 2	5 03-Aug-17	31-Aug-17														Road Pavern	ent (FLH NB 4th lai	e) by re-surfacing	9			
FHW-5310	Road Pavement (FLH NB 3rd lane) by re-surfacing	25 2	5 02-Sep-17	30-Sep-17														Roled Pi	vement (FLH NB 3	rd lane) by le-sur	facing			
FHW-5320	Road Pavement (FLH NB 2nd lane) by re-surfacing	25 2	5 03-Oct-17	02-Nov-17														E R	ad Pavement (FLH	NB 2hd lane) by	re-surfacing			
			-					;]													Devision		نينين ماريم ماري	i i
					Actual Wor	'k				(CEDD	Conti	ract N	o. CV	/2012	/09			Da		Revision			Approved
					Remaining	Work													07-Ma	r-17 Di	raft	Sam L		avid Tung
					Summary E		Lia	ntang	g / He	ung Y	'uen V	Vai BO	CP - S	ite Fo	rmati	ion & In	nfrastr	ucture					\longrightarrow	
						naining Work	1	-		-		Work	s, Cor	tract	3								\longrightarrow	
	和建築工程有限					nailling WUIK	1						,		-							_	\longrightarrow	
Сн	UN WO CONSTRUCTION & ENGIN	EERING	CO., LTD.	•	 Milestone 		1	11-	dato	d Maa	tor W	orke E	Progra	mmo	(Pov	ision U	MDAF	B)					\square	
					Actual Leve	el of Effort	1	υρ	uale	uwas			rogra	mine	ILEA	131011 U	WIF 031)						
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Activity ID	Activity Name OD	RD	Start	Finish				204	4				2045					2040					2047				20	10			00	10
FHW-5330	Road Drainage, Road Formation & Pavement (FLH NB 1st lane & 76	76	04-Nov-17	03-Feb-18	ug Sep Oct No	ov Dec Jar	n F Mar	Apr May Jun	4 Jul Aug Sep	Oct Nov De	c Jan F	Mar Apr May	Jun Jul	Aug Sep O	ct Nov De	c Jan Feb M	ar Apr May	Jun Jul A	ug Sep Oct	Nov Dec Ja	an Feb Mar	Apr May	Jun Jul A	ig Sep Oct N	lov Dec Ja			Jul Aug Sep (ormation;& Pav			Mar Apr Ma & hard shou	ay Jun Jul Aug
	ne 6 between CH7600 and CH7660 (Existing Vehicular Bridge) 305			03-Feb-18																							inge, nouu					
At-Grade Roadwork		236	17-Jan-17 A	03-Feb-18																												
FHW-6110	Road Formation & Pavement (FLH SB 2nd - 3rd lanes) 50	0	17-Jan-17 A	19-Apr-17 A																		Road	Formation 8	Pavement (FI	LH SB 2nd	3rd lanes)						
FHW-6120	Road Formation & Pavement (FLH SB 1st lanes) 35	35	09-May-17	19-Jun-17																			Road F	onnation & Par	verbent (FL	HSB 1st lanes)						
FHW-6130	Implementation of TTA - Scheme 6C-1 (Shifting TWSRE East 0 Westward, at the area near existing J-Bridge)	0	11-May-17																			♦ lm	plementatio	n of TTA - Sche	erne 6C-1 (S	hifting TWSRE	East Westw	rd, at the area n	near existin	g J-Bridge)		
FHW-6140	Noise Barrier NB73 - Footing adjacent to SB lane (95m) 108	108	11-May-17	15-Sep-17																				Noise E	Barner NB7:	- Footing adjace	ent to SB lar	e (95m)				
FHW-6150	Road Formation & Pavement (FLH SB Merging lane) 75	75	06-Nov-17	03-Feb-18																				C		Road Form	nation & Pav	ement (FLH SB	Merging la	ne)		
FHW-6210	Road Drainage, Road Formation & Pavement and Central Barrier (South Side) (FLH SB 4th Iane) 55	55	24-Apr-17	29-Jun-17																		÷	Road	Diainage, Roa	ad Flormatio	n & Pavement ar	nd Central B	arriet (South Sid	le) (IFLH \$E	3 4th lane)		
FHW-6230a	Demolition of existing central divider 14	14	30-Jun-17	17-Jul-17																			🗖 De	molition of exis	ting central	dikider						
FHW-6230b	Construction of Sign Gantry Footing (South) G33 25	25	05-Jul-17	02-Aug-17																				Construction of	f Sign Gant	y Footing (South	h) G33					
FHW-6240	Road Pavement (FLH NB 4th lane) by re-surfacing 25	25	03-Aug-17	31-Aug-17																				Road Pav	ement (FLI	INB 4th lane) by	y re-surfacing					
FHW-6310	Road Pavement (FLH NB 3rd lane) by re-surfacing 25	25	02-Sep-17	30-Sep-17																				Rose	Pavement	(FLH NB 3rd lar	ne) by re-sur	acing				
FHW-6320	Road Pavement (FLH NB 2nd lane) by re-surfacing 25		03-Oct-17	02-Nov-17																					Road Pav	ment (FLH NB :		re-surfación				
FHW-6330	Road Drainage, Road Formation & Pavement (FLH NB 1st lane 76		04-Nov-17	03-Feb-18																						Rood Deci-	da Poor	omtation P	/ement (Pl	H NB 1st lane	and border	outler)
	and hard shoulder)													ļļ												roau urain	age, nuad	ornauofi & P'av	Cimerit (PL		and nard Shi	
		7 269		03-Sep-18																												
At-Grade Roadwork			30-Aug-13 A	03-Sep-18																												
FHW-7100	Site Formation, Preparation Works & Tree Transplant 127	0	30-Aug-13 A	30-Oct-15A											Site F	ormation, Prepa	aration Works	& Tree Trans	splant													
FHW-7110	Road Formation and Temporary Pavement (FLHN SB) for 60 Connecting FHW3's TTA scheme [TTA n.o. R-3]	0	02-Jun-16 A	20-Aug-16 A															Road For	nation and Te	emporaly Pa	vernent (FL	HN SB) for (onnecting FH	W3's TTA s	heme (TTA no. I	R[-3]					
FHW-7120	Demolition of Existing Central Barrier and Make Good of Road 38 Pavement for further Traffic Diversion	0	22-Aug-16 A	23-Nov-16 A																Demoli	tion of Existin	ng Central E	Barrier and N	lake Good of F	Road Paver	neht fot further Ti	raffic Diversi	n				
FHW-7130	Road Pavement (FLH SB 3rd lane) by re-surfacing 40	40	03-Oct-17	20-Nov-17																					Road P	avement (FUH S	8 3rd ane)	by retsurfatcing				
FHW-7140	Road Pavement (FLH SB 2nd lane) by re-surfacing 40	40	22-Nov-17	10-Jan-18																					÷	Road Pavemer	nt (FLH SB 2	nd lane) by re-si	urfacing			
FHW-7150	Road Pavement (FLH SB 1st lane) by re-surfacing 40	40	12-Jan-18	06-Mar-18																					1	Road	Pavement (LH SB 1st lane) by re-surf	acing		
FHW-7210	Road Drainage, Road Formation & Temporary Pavement (FLH SB 125	0	08-Sep-16 A	06-Mar-17 A																	R	pac Drainac	ge, Road Fo	rmation & Telm	porary Pave	ment (FLH \$B 4	lth lan e) - St	ige 1 (in d. MS1)	2.1 - 12.3	a)		
FHW-7310	4th lane) - Stage 1 (ind. MS12.1 ~ 12.3a) Road Drainage, Road Formation & Pavement (FLH NB 1st lane 60		18-Dec-17	07-Mar-18																						Road	Drainage, R	oad Formation 8	& Pavemer	nt (FLH NB 1≪	lane and ha	rd shoulder)
FHW-7320	Road Pavement (FLH NB 2nd lane) by re-surfacing 35			21-Apr-18									ļļ	↓↓↓ .													Road Pe	ment (FLH NB		by re-surfacing		
																											- Koau Pak					
FHW-7330	Road Pavement (FLH NB 3rd lane) by re-surfacing 35			04-Jun-18																							Re	ad Pavement (F	-LH NB 3/0	l lane) by re-su	Tacing	
FHW-7340	Road Pavement, Central Barrier (FLH NB 4th lane) by re-surfacing 75	75	06-Jun-18	03-Sep-18																								Ros	ad Paveme	ent, Central Ba	ner (FLH NB	4th lane) by re-su
Remaining Works for	No ise Barrier along widened Fanling Highway 506	237	07-May-16 A	01-Feb-18																												
FHW-NB-110	Noise Barrier Steelworks & Panel for NB70 (25m), adjacent to Fanling Highway SB lanes at Zone 1	6	18-Sep-17	23-Sep-17																				0 Noise	Batrier Ste	elworks & Panel f	fdr NB70 (25	m), adjacent to F	Fanling Hig	phway SB lane	s at Zone 1	
FHW-NB-120	Noise Barrier Steelworks & Panel for NB6 (123m), adjacent to 21 Fanling Highway SB lanes at Zone 1	0	07-May-16 A	02-Jun-16 A											-++-		-	Noise Ban	rier Steework	s & Panel for	NB6 (123m)	adjatcent to	o Fanling Hi	hway SB lane	s at Zone 1							
FHW-NB-1 30	Noise Barrier Steelworks & Panel for NB7 (60m), adjacent to 11 Fanling Highway SB lanes at Zone 1	0	20-May-16 A	02-Jun-16 A														Noise Ban	rier Steework	s & Panel for	NB7 (60m), a	adjacent to	Fanling Hig	way SB lanes	at Zone 1							
FHW-NB-140	Noise Barrier Steelworks & Panel for NB71 (254m), adjacent to 40	0	24-Jan-17 A	01-Apr-17A																	_	Noise Ba	rrier Steelwo	rks & Panel for	NB71 (254	m), adjacent to F	Fanling High	way 6B lan es at	Zones 2 3	&4		
FHW-NB-150	Fanling Highway SB lanes at Zones 2,3 & 4 Noise Barrier Steelworks & Panel for NB72 & NB73 (248m), vide Extension Control Research 2 and	30	28-Dec-17	01-Feb-18																						Noise Barrie	er Steelwork	& Panel for NB	72 & NB73	8 (248m), adja	ent to Fahlin	g Highway SB lan
FHW-NB-210	adjacent to Fanling Highway SB lanes at Zones 4, 5 & 6 Noise Barrier Steetworks & Panel for NB68 (14m), Fanling Highway 7	0	02-Mar-17 A	23-Mar-17 A																		Noise Barri	ier Steelwork	s & Panel for N	NB68 (14m)	Panling Highwa	ay central me	diantat Zones 3				
FHW-NB-220	central median at Zones 3 Noise Barrier Steelworks & Panel for NB68 (63m), Fanling Highway 13			15-Jun-17									·			+										vr NB68 (63m), F		vay central meri	lian at Zotv	es 1		
FHW-NB230	losse Barrier Steelworks & Panel for NB68A (225m), Faning 112		02-Mar-17 A	15-Jun-17																			Noise B	unier Steelunde	s & Panel 6				edian at Zo		ise Barrier St	eelworks & Penel
	Highway central median at Zones 2 & 3																							C. C. CONCINC								
FHW-NB-240	Noise Barrier Steelworks & Panel for NB68A (50m), Fanling 6 Highway central median at Zones 4		15-Sep-17	21-Sep-17																				u Noise	Damer Stee)m), Fanling Hig				
FHW-NB-320	Noise Barrier Steelworks & Panel for NB67 (85m), adjacent to Fanling Highway NB lanes at Zones 2 & 3			12-Dec-17																					Noi	e Barrier Steelw	oliks & Panel	tor NB67 (85m)), adlacent	to Fanling Hig	way NB lan	as at Zones 2 & 3
FHW-NB-330	Noise Barrier Steelworks & Panel for NB69 (109m), adjacent to Fanling Highway NB lanes near LR1 at Zone 3	18	13-Dec-17	05-Jan-18																					1	Noise Barrier Ste	eelworks & P	anel for NB69 (1	109m), adja	acent to Ranlin	g Highway N	Blanesnear LR1
-	1		1						1				· · · ·			• • • •				40/0	•				· · ·	Date	<u> </u>	Revision	<u>, </u>	Checke	d I .	Approved
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					Actua	al Lev	el of E	fort			- 1						- 9.0		- (2.10				,	-							
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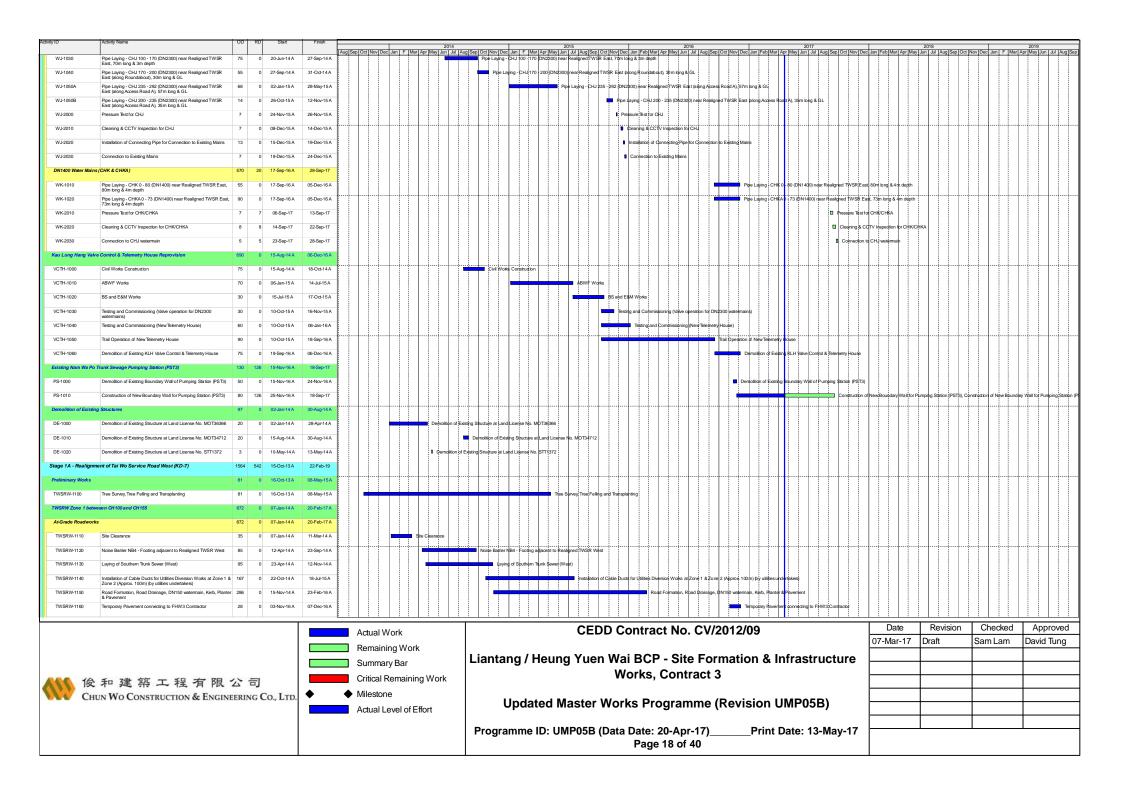
Activity ID	Activity Name	OD R	D Start	Finish	——				2014			-		2014	5					2016					2017					2018				2019	
Erection of Sign Ga	lty	110 11	0 12-Sep-17	24-Jan-18	Aug Sep Oct	Nov Dec Ja	an F Mar			g Sep Oct	Nov De	c Jan F	Mar Apr N	lay Jun J	Jul Aug S	ep Oct N	ov Dec Jar	Feb Mar	Apr May Ju	in Jul Aug	g Sep Oc	d Nov Dec	Jan Feb M	tar Apr M		Aug Sep O	ct Nov Dec	Jan Feb Mai	Apr May J	In Jul Aug S	ep Oct No	v Dec Jan	F Mar A	or May Jur	i Jul Aug
FHW-SG-1000	Erection of Sign Gantry DS1 (i.e. Steel Portal Frame)	7	7 24-Oct-17	01-Nov-17																							Erection	of Sign Gantr	DS1: (i.e. 5	el Portal Fram	e)				
FHW-SG-1010	Erection of Sign Gantry G33 (i.e. Steel Portal Frame)	7	7 17-Jan-18	24-Jan-18																								Erection	of Side Gan	ry 633 (i.e. Ste	el Portel Fra	me)			
FHW-SG-1020	Erection of Sign Gantry G53 (i.e. Steel Portal Frame)	7	7 12-Sep-17	19-Sep-17																						I Fe		Gantry G53 (
FHW-SG-1020	Erection of Sign Gantry DS11 (i.e. Steel Portal Frame)	7																								U C1				T L					
			7 11-Dec-17	18-Dec-17																										1 (l.e. Steel Po					
FHW-SG-1040	Erection of Sign Gantry FADS11 (i.e. Steel Portal Frame)	7	7 19-Dec-17	28-Dec-17																								Erection of S	ign Gantry F	DS11 (te. Ste	al Portal Fran	ne)			
	ler of the Works (KD-3)	1330 40		01-Sep-18																															
At Grade Link Road	at Fanling Highway Interchange	460 29	14-Sep-16 A	16-Apr-18																															
Link Road 1 (near A	butmentAB1)	278 23	19 20-Feb-17 A	03-Feb-18																															
FHI-LR1-1000	Completion of Realigned TW SR West and divert traffic onto the new carriageway (Stage S13)	0	0	31-Jul-17																						 Completion 	n of Realigne	d TW:SR West	and divert tra	ffic onto the rie	w carriagew	ay (Stage S1	3)		
FHI-LR1-1010	Completion of Abutment AB1	0	0	20-Apr-17					-	1														∳ Co	mpletion of	Abutment AB	1								
FHI-LR1-1020	Construction of Retaining Wall beside Abutment AB1 and filling	137 13	7 06-Jun-17	16-Nov-17																							Cons	ruction of Ret	ining Wall p	side Abutment	AB1 and filli	ng work			
FHI-LR1-1030	Noise Barrier NB66 - Footing adjacent NB lane (38m long, Bay 1 - Bay 4)	90 7	1 02-Mar-17 A	15-Jul-17																					÷	Noise Barrier I	NB66 - Footi	ng adjacent NE	lane (38m l	ng Bay 1 - Be	y 4). Noise E	larrier NB66	- Footing ad	jaoent NB Ia	ane (38m lon
FHI-LR1-1040a	Noise Barrier NB66 - Pre-drilling & Mini-Piling (Cap 1-9 with 18 piles	6) 54 9	15 07-Apr-17 A	12-Aug-17																						Noise Ba	amer NB66 -	Pre-delling & M	ini-Piling (Cap	1-9 with 18 pik	es), Noise Ba	artier NB66 -	Pre-drilling &	Mini-Piling	(Cap 1-9 with
FHI-LR1-1040a10	Noise Barrier NB66 - Footing adjacent NB lane (24m long, Bay 5 -	66 6	i6 10-Jul-17	23-Sep-17																						N	loise Batrier N	B66 Footing	adjacent NB	lane (24m lortg	Bay 5 - Bay	(6)			
FHI-LR1-1050	Bay 6) Noise Barrier NB67 - Pre-drilling & Mini-Piling (Cap 1-9 for raking		i8 01-Aug-17	09-Oct-17						+																				iling (Cap 1-9 f					
FHI-LR1-1060	piles, 18no.) Noise Barrier NB67 - Footing (37.6m) (Bay 1 - Bay 3)	52 5	-	09-Dec-17																										(37.6m) (Bay 1		ľ			
FHI-LR1-1070	Noise Barrier NB67 - Pre-drilling & Mini-Piling (Cap 10-20 for raking		18 20-Feb-17 A	16-Aug-17																						Noise P	amer NB67 -		Ini-Piling (Ca		n nileo ben		arrier NR6*	Pip-chille ~	& Mini-Dilion
	piles, 26no.)			-																			ΠŢ			NOISE DA					ig plies, con	uu, noise s	amenivoor	- le uning c	a winter mig
FHI-LR1-1080	Noise Barrier NB67 - Footing (96m) (Bay 4 - Bay 11)		15 07-Jul-17	27-Oct-17																							Noise Ba	mer NB67 - Fo		18ay 4 - 8ay 11					
FHI-LR1-1110	Road Formation, Road Drainage, Kerb and Pavement (CH 240 - CH 340)		5 17-Nov-17	03-Feb-18																								Road		oad Drainage, I			240 - CH 3	0)	
FHI-LR1-1120	Road Formation, Road Drainage, Kerb and Pavement (CH 80 - CH 240)	65 6	i5 01-Nov-17	18-Jan-18																								Road Fo	mation, Roa	l Drainage, Ker	b and Paver	ment (CH 80	- CH 240)		
FHI-LR1-1200	Completion of Segment Erection Works at TWSRW	0	0	20-May-17																					 Complet 	on of Segmen	it Erection W	orks at TWSRV	1						
FHI-LR1-1210	Road Pavement Works for Future SB of TWSRW	14 1	4 14-Jul-17	29-Jul-17																						Road Pave	ment Warks	orFutureSB	TWSRW						
FHI-LR1-1300	Installation of Steelwork & Transparent Panel - Noise Barrier 67 (132m)	30 3	10 11-Dec-17	17-Jan-18																							-	Installatio	n of Steelwor	& Transparent	Panel - Noi	se Barrier 67	(132m)		
FHI-LR1-1310	Installation of Steelwork & Transparent Panel - Noise Barrier 66 (76m)	20 2	0 25-Sep-17	19-Oct-17																							Installation	of Steelwork	s Transparein	Panel - Noise	Banter 66 (7	6m)			
FHI-LR1-1320	Construction of Footing of sign gantry DS1	56 5	i6 17-Aug-17	23-Oct-17																		·					Construc	ion of Foating	of sign gantr	D\$1					
Link Road 2 (near A	butmentAA1)	278 23	19 20-Feb-17 A	03-Feb-18																															
FHI-LR2-2000	Completion of Demolition of Existing Vehicular Bridge	0	0	20-Apr-17																				C	mpletion of	Demolition of	Existing Veh	cular Bridge							
FHI-LR2-2010	Completion of Abutment AA1	0	0	20-Feb-17 A																			•	ompletion	ofAbutmen	AA1									
FHI-LR2-2020	Construction of Retaining Wall beside Abutment AA1	120 12	0 19-Jun-17*	09-Nov-17																							Const	uction of Retai	ning Wall bla	ide Abutment A	41				
FHI-LR2-2030	Construction of Retaining Wall (3SW-D/FR32)		i5 01-Nov-17*	06-Jan-18																										Wall (3SW-D/					
																															FR.52)				
FHI-LR2-2040a	Road Formation, Road Drainage, Kerb	45 4		04-Jan-18																									ation, Road I						
FHI-LR2-2040b	Road Formation, Road Drainage, Kerb (SMH1302 - 1303 & MY2.4 - 2.5)		15 09-May-17	30-Jun-17																					R	oad Formation	n, Road Drain	age, Kerb (SM	H1302 - 130	8 MY24 - 25)				
FHI-LR2-2040c	Footing of Sign Gantry DS11	14 1	4 20-Apr-17	08-May-17																					Footing of	Sign Gantry D	S11								
FHI-LR2-2040d	Footing of Sign Gantry FADS11	14	0 23-Mar-17 A	06-Apr-17 A																				Foot	ing of Sign	Santry FADS1	1								
FHI-LR2-2050	Backfilling works and reinstatement	24 2	4 08-Jan-18	03-Feb-18																								🔲 Bạckfil	ing works an	I reinstatement					
Link Road 3 (near A	butmentAD1)	269 18	21-Sep-16 A	24-Jan-18																															
FHI-LR3-3010	Completion of Abutment AD1	0	0	21-Sep-16 A																	♦ Co	mpletion of A	Noutment Al	я											
FHI-LR3-3020	Construction of Retaining Wall beside Abutment AD1	75 7	'5 19-Jun-17*	14-Sep-17																					+		nstruction of	Retaihing Wall	beside Abutr	nent AD1					
FHI-LR3-3030	Road Formation, Road Drainage, Kerb and Pavement	70 7	0 01-Nov-17	24-Jan-18																									rmatibn, Ro	d Drainage, Ke	and Rave	ement			
					Act	ual Wo	ork								CE	DD	Cor	ntrac	t No). C	V/20	012/0)9						te	Revisi					
						maining		k																				07-Ma	r-17	Draft		Sam L	am	David	Tung
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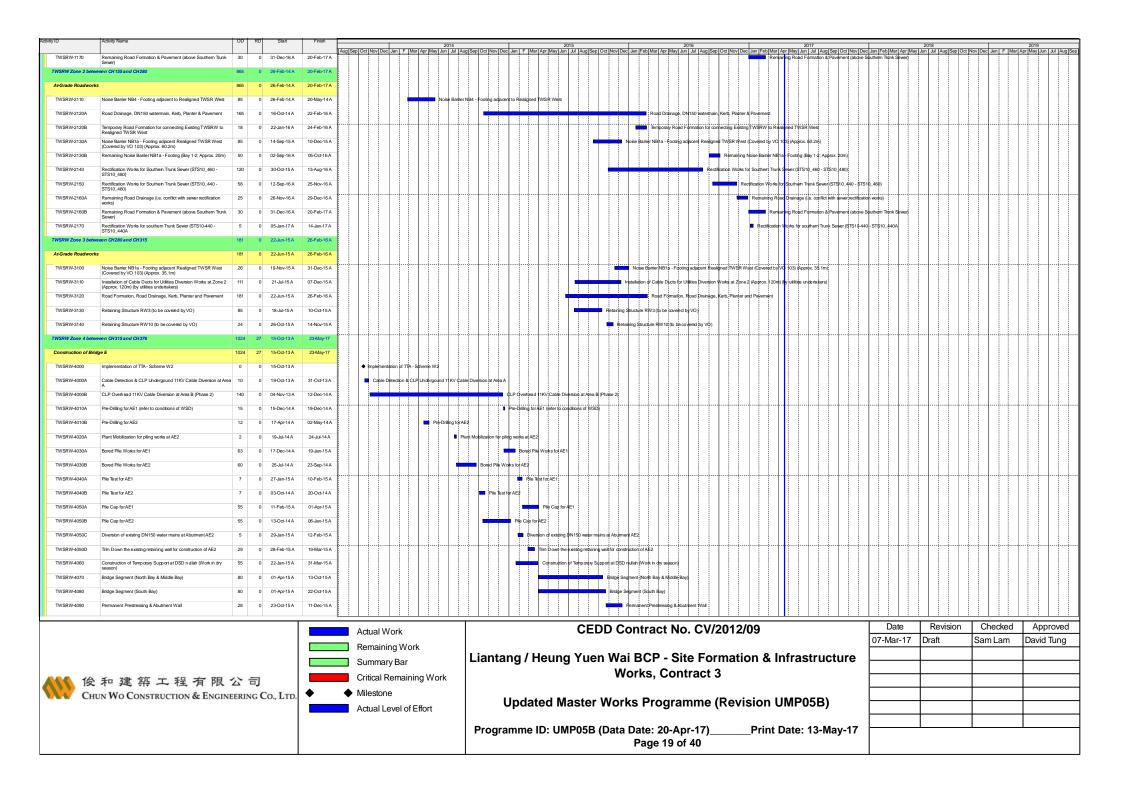
Activity ID	Activity Name	OD RD	Start	Finish	I		2014					2015				2016					2017				2018			_	2014	
Link Road 4 (near)	butmentAC1)	460 290	14-Sep-16 A	16-Apr-18	Aug Sep Oct N	lov Dec Jan F Ma		Aug Sep O	Ict Nov Dec	Jan F Mar	Apr May Ju	un Jul Aug	Sep Oct Nov	Dec Jan	Feb Mar Apr N	lay Jun Ju	I Aug Sep	Oct Nov D	ec Jan Feb≬	Mar Apr May	Jun Jul A	ig Sep Oct No	ov Dec Jan I	eb Mar Apr N	May Jun J	I Aug Sep O	ict Nov De	ec Jan F N	lar Apr May	Jun Jul Aug Sep
FHI-LR4-4000	Completion of Connection Works (DN2200) CHF	0 0		30-Dec-17																			Con	pletion of Conr	nection Wor	IS DN2200) CI	e .			
FHI-LR4-4010	Completion of Abutment AC1	0 0		14-Sep-16 A														omplotion of	Abutment AC											
FHI-LR4-4020	Construction of Retaining Wall beside Abutment AC1	120 120	20-Apr-17*	11-Sep-17														- cinpetion o				Constluc		ng Wall beside/						
FHI-LR4-4020	Road Formation, Road Drainage, Kerb and Pavement	105 105	12-Sep-17	18-Jan-18																		Gonsado		Road Formation						
																												·		
FHI-LR4-4040	Remaining Section of Carriageway (treated as outstanding works)			16-Apr-18																				R	temaining S	ection of Canila	geway (trea	ated as outstan	ding works)	
WSD Works		1330 405	20-Feb-14 A	01-Sep-18																										
DN450 Fire Mains (CHA)	941 405	29-May-15 A	01-Sep-18																										
WA-1010	Pipe Laying - CHA 0 - 55 (DN450) near Ext. TWSR West, 55 m	28 28	10-Jun-17	13-Jul-17																	Pip	e Laying - CHA	0 55 (DN450) near Ext. TWS	SR West, 55	m				
WA-1020	Pipe Laying - CHA 55 - 155 (DN450) near Ext. TWSR West, 100m	45 45	17-Nov-17	11-Jan-18																			-	pe Laying - CH/		0N450) hear Ex	1. TW SR V	Vest, 100m		
WA-1110	Pipe Laying - CHA 155 - 270 (DN450) near Ext. TWSR West, 115m	47 47	20-Sep-17	16-Nov-17				1									111						Pipe Laying	- CHA 155 - 27			R West, 11	5m		
WA-1120	Pipe Laying - CHA 270 - 315 (DN450) near Ext. TWSR We st, 45m	26 26	21-Aug-17	19-Sep-17																		💼 Pipe La	aying - CHA 29	0 - 315 (DN450)) near Ext. 1	WSRWest,45	Sm			
WA-1130	Pipe Laying - CHA 315 - 385 (DN450) near Ext. TWSR West, 70m	32 32	14-Jul-17*	19-Aug-17																		Pipe Laying	- CHA 315 - 38	85 (DN450) nea	r Ext. TWSF	t West,⊽0m				
WA-1140	Pipe Laying - CHA 385 - 460 (DN450) near Realigned TWSR Wes	t 70 0	29-May-15 A	21-Dec-15 A							-			Pipe	aying - CHA 38	5 - 460 (DN	450) near Re	aligned TWS	R West											
WA-2010	Pipe Laying - CHA 460 - 508 (DN450) along Ext. TWSR West NB,	188 60	01-Sep-16 A	03-Jul-17																	Pipe	Laying CHA 46	60 - 508 (DN4	50) along Ext. T	WSR West	NB,48m,Pipe	Laying - C	HA 460 - 508 (DN450)(alon	Ext. TWSR West I
WA-2020	48m Pipe Laying - CHA 508 - 540 (DN450) along Ext. TWSR West SB,	75 75	04-Jul-17	28-Sep-17	}			+														Pipe L	Laying - CHA\$	08 - 540 (DN45	50) along Ex	t. TWSR West	SB, 32m			
WA-2040	32m Pipe Laying - CHA 540 - 625 (DN450) along Ext. planter of TWSR			26-Jun-17																	Pipę L	aying - CHA \$40	0 - 625 (DN45	0) along Ext. pla	anter of TW	SR West, 85m				
WA-2080	West, 85m Pipe Laying - CHA 625 - 675 (DN450) along Ext. TWSR West SB,		29-Sep-17	14-Nov-17																			Pipe Laying	- CHA 625 - 67	5 (DN450) a	long Ext. TWS	R West SB	3, 50 m		
WA-3010a	50m Pipe Laying - CHA 675 - 705 (DN450) along Ext. TWSR West SB,			07-Dec-16 A															Pipe Laying -	CHA 675 - 7	05 (DN450) ak	ang Ext. TW\$R								
WA-3010b	Pipe Laying - CHA 705 - 720 (DN450) along Ext. TWSR West Sb, 30m Pipe Laying - CHA 705 - 720 (DN450) (saw-cut) along Ext. TWSR			13-Jan-18																	()				A 705 - 720	(DN450) (saw-c	xut) along E	Ext. TWSR We	at 98, 15m	
WA-30100 WA-3020	West SB, 15m Pipe Laying - CHA 705 - 720 (DN450) (sawcou) along Ext. TW SR West SB, 15m			26-Jan-17 A																	200 200 00	1450) along Ext					, carding E			
	45m																		Pipe											
WA-3030	Pipe Laying - CHA 765 - 800 (DN450) along Ext. TWSR West SB, 35m			15-Mar-17 A																Pipe Layir	ng - CHA 765 -	880 (DN450) a	along Ext. TWS		im					
WA-3040	Pipe Laying - CHA 800 - 835 (DN450) along Ext. TWSR West SB, 35m		12-Jan-18	28-Feb-18																				Pipe Layir	ng - CHA80	0 835 (DN450			SB, 35 m	
WA-3050	Pipe Laying - CHA 835 - 880 (DN450) along Ext. TWSR West SB, 45m	42 42	01-Mar-18	23-Apr-18																					Pipe Laying	- GHA 835 - 88	0 (DN450)	along Ext. TW	SR West SB,	45m
WA-3060	Pipe Laying - CHA 880 - 925 (DN450) along Ext. TWSR West SB, 45m	42 42	24-Apr-18	13-Jun-18																				ļ	Pip	e Laying - CHA	880 - 925 ((DN450) along	Ext. TW/SR 1	VestSB,45m
WA-3070	Pipe Laying - CHA 925 - 972 (DN450) along Ext. TWSR West NB (Stage 1)	94 0	10-Jun-16 A	30-Sep-16 A														Pipe Layin	- CHA 925	972 (DN450)	along Ext. TV	SR West NB (S	Stage 1)							
WA-3080	Pipe Laying - CHA 925 - 972 (DN450) along Ext. TWSR West SB (Stage 2), 47m	42 42	14-Jun-18	03-Aug-18																						📫 Pige Layin	ig CHA 92	25 - 972 (DN45	0) along Ext.	TWSR West SB (S
WA-4100	Pressure Test for CHA (CHA 0 - 800)	18 18	15-Jan-18	03-Feb-18																				Pressure Test	for CHA (CI	IA 0 - 800)				
WA-4200	Pressure Test for CHA (CHA 800 - 972)	18 18	04-Aug-18	24-Aug-18																						🔲 Pressu	ire Test for	CHA (CHA 800) - 972)	
WA-4210	Cleaning for (CHA 0 - 972)	7 7	25-Aug-18	01-Sep-18																						Clear	ning for (CH	HA0 - 972)		
DN600 Water Mains	(CHB)	810 89	25-Sep-14 A	07-Sep-17																										
WB-0100	Temporary Local Diversion for DN600 near Abutment AD1 (CHB 0	- 80 0	25-Sep-14 A	12-Feb-15 A						Temp	rary Loca D	Diversion for D	N600 near Abu	ment AD1	CHB 0 - 100)															
WB-1000	100) Pipe Laying - CHB 100 - 160 (DN600) near FLH S/B (FHW:	60 0		02-Sep-16 A													Pir	e Laving -C	HB 100 - 160	(DN600) oea	FIH S/B (FH	W CH713072	901 60m loon	(common trend	h with NB()					
WB-1010	CH7130-7290), 60m long (common trench with NB) Pipe Laying - CHB 160 - 215 (DN600) near FLH S/B (FHW:	60 0	13-Jul-15 A	12-Dec-15 A										Bing I	wind - CHB 160	215 (DNG						h with NIP)			ľ					
	CH7290-7380), 55m long (common trench with NB)													nipe d	iying - criib ndo	- 213 (0140	od) near r cr													
WB-1020	Pipe Laying - CHB 215 - 300 (DN600) near FLH S/B (FHW: CH7380-7470), 85m long (common trench with NB)			02-Sep-16 A	.																			(common trend						
WB-1020A	Pipe Laying - CHB 300 - 335 (DN600) near FLH S/B (FHW: CH7380-7470), 35m long (common trench with NB)	60 0		18-May-15 A							Pip	pe Laying - Cl	a of a should	ľ.	r FLH S/B (FHM		,,,			-,										
WB-1030A	Pipe Laying - CHB 335 - 360 (DN600) near crossing TWSRE 15m long & 3m depth			13-Nov-15 A							•			hpe Laying	- CHB 335 - 360	(DN600) n	ear crossing	TWSRE 16n	ilong & 3m de											
WB-1030B	Pipe Laying - CHB 360 - 410 (DN600), 50m, from TW SRE to IT inspection tee chamber	21 21	25-May-17	19-Jun-17																				i), 50m, fiom 1M						
WB-1030C	Pipe Laying - CHB 410 - 430 (DN600), 20m, from IT inspection tee chamber to Pier AB7	25 25	20-Jun-17	19-Jul-17																	Pi	e Laying - CHB	3 410 - 430 (D	N600), 20m, filo	m IT inspect	ion tee chambe	er to Pier Al	B7		
WB-1040	Pipe Laying - CHB 430 - 455 (DN600), 25m, from Pier AB7 to combined valve chamber	20 20	06-Jul-17	28-Jul-17																		ipe Laying - CH		DN600), 25m, fr		7 to combined v	/alve cham	nber		
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					Actu	al Work						CE	י טע	on	tract	NO.	CV/2	2012	09					-Mar-17				am Lam		/id Tung
					Rem	naining Wor	k									 .	_		-					11/10/1		411	- 38	an∟ann	Dav	na iung
					Sum	nmary Bar		Lia	antai	ng / H	eun	g Yu			SCP -				on &	Infr	astru	cture	>		+		+		+	
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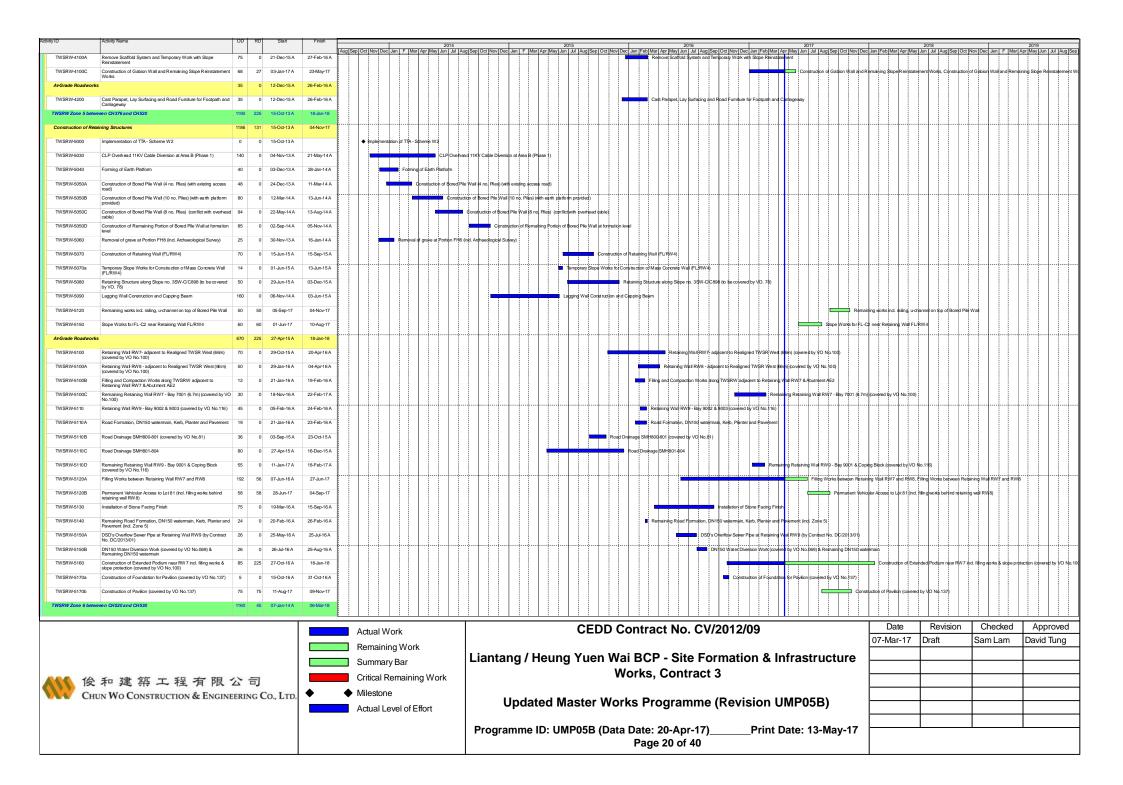
Activity ID	Activity Name	OD RD Start	Finish	2014	2010 2011 2011 2012 2012 2012 2012 2012	
WB-1050	Pipe Laying - CHB 455 - 510 (DN600), 55m, from combined valve	20 20 28-Jun-17	21-Jul-17	Aug Sep Oct Nov Dec Jan F Mar Apr May Jun Jul		ul Aug Sep
WB-1060A	chamber to Realigned TWSR East	21 0 03-Aug-16 A			PieLaving-CHB 514-57/ DMK00/nearJBnkce	
WB-1060B			12-Jul-17		Poce Laying C Lib is a constant and the second s	
WB-1060C	Pipe Laying - CHB 585 - 635 (DN600) near Realigned TWSR East (TWSRE: CH315-380), 65m long & GL		02-Jan-16 A			
WB-1070	Pipe Laying - CHB 635 - 700 (DN600) near Realigned TWSR East (TWSRE: CH380-456), 65m long & GL		13-Jan-16 A		Pipe (2ym) - CHB 605 - 7/0 (DNe00) ned Readigned TWSR E en (TWSRE C1339-60), 65m lorg 3 QL	
WB-1080	Pipe Laying - CHB 700 - 756 (DN600) near Realigned TWSR East (along Roundabout), 56m long & GL	66 0 17-Jun-15 A	01-Sep-15 A		Pipe Laying: CPEI 700: 776 (DNIOD) hear Realigned TVX SR E dat Laying Boundations, Sen King K.DL	
WB-1090	Pipe Laying - CHB 756 - 849 (DN600) near Realigned TWSR East (along Access Road A), 93m long & GL	40 0 03-Mar-15 A	15-Jun-15 A		Poe Laying - CHB 759 - 494 (ChU00) neir Realigned TV/SR & at (along Access Read A), 82m long & BL	
WB-2000	Pressure Test for CHB (CHB 570 - 849)	21 0 26-Feb-16 A	28-Feb-16 A		f Pressuré Tender CHB (2HB B70-540)	
WB-2010	Cleaning & Sterilization (CHB 570 - 849)	7 0 28-Feb-16 A	28-Feb-16 A		Clearing & Sentation (CHE 570 640)	
WB-2020	Water Sampling (CHB 570 - 849)	7 0 28-Feb-16 A	29-Feb-16 A		Water Sparping (CHB 570-540)	
WB-2030	Functioning of Newly Laid Pipeline (CHB 570 - 849)	1 0 02-Mar-16 A	02-Mar-16 A		Prozostanj drvenju (sid Pipelini (Cije Siju - Sid)	
WB-3000	Pressure Test for CHB (CHB 100 - 360)	5 0 16-Aug-16 A	25-Aug-16 A		B Presume Party or Cella (\$46 100-160)	
WB-3010	Cleaning & Sterilization (CHB 100 - 360)	7 0 16-Aug-16 A	16-Aug-16 A		1 Centring 4 Strekturation (CHE 1900-1850	
WB-3020	Water Sampling (CHB 100 - 360)	7 0 26-Aug-16 A	02-Sep-16 A		■ Water Samping (ØHB 100 '360)	
WB-3030	Functioning of Newly Laid Pipeline (CHB 100 - 360)	1 0 02-Sep-16 A	02-Sep-16 A		Functioning of Newly Laid Pipeline (CHB 100 - 360)	
WB-4000		14 14 29-Jul-17	14-Aug-17		□ 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
WB-4010		14 14 15-Aug-17	30-Aug-17		🖾 Cdaning & Sjeritzton (CHE 3601–570)	
WB-4020	Water Sampling (CHB 360 - 570)	7 7 31-Aug-17	07-Sep-17		D WaterSamping CHB/3806-570	
WB-4030	Functioning of Newly Laid Pipeline (CHB 360 - 570)	0 0	07-Sep-17		Imaging of Newly Lad Beating (298 380 - 570)	
DN1200 Water Main	s (CHC) 1	1100 147 20-Feb-14 A	17-Nov-17			
WC-1000A	Pipe Laying - CHC 0 - 8 (DN1200) at interface point in SBZ, 8m	5 0 25-Apr-16 A	30-Apr-16 A			
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		Pipe dryng - Crife 8 70 (N1/200) Bear Readined TWSR Weitr (NVSRW: CHristian Star Star Star Star Star Star Star Star	
WC-1010	Pipe Laying CHC 70 - 100 (DN1200) along existing TWSRW, 20m long & 3m depth	35 35 14-Jul-17	23-Aug-17		pope Layén Cérc 74 - nội Diệt 120 haiện giang Truệt Ruy là Siện dayh	
WC-1020		60 0 30-Jun-14 A	19-Aug-14 A		Biackego Pitor Tuma (h11200 (CHC) at exemina TW SRW	
WC-1030	Construction of IT inspection tee chamber(s) near the Jacking Pits	50 50 24-Aug-17	23-Oct-17		Construction of Trippedicton the dramma the structure of	
WC-1030A	Excavation - CHC 100 - 155 (DN1200) across FLH by Trenchless 1	169 0 19-Sep-14 A	25-Oct-14 A		Exeptation - CHC 100 - 155 (DN1200) across FLH by Tenchess Methad, 110m long for 2 shafts	
WC-1030B	Method, 110m long for 2 shafts Pipe Laying - CHC 100 - 155 (DN1200) across FLH & associated	46 0 14-Nov-14 A	14-Feb-15 A			
WC-1040	Grouting Works	50 0 09-Jun-14 A	25-Sep-14 A		Receiving Ptt br Twins DM1200 (CHC)	
WC-1050A		120 0 15-Oct-14 A	16-Nov-16 A		Pice Lawin- CHC 155 1200 (DN1200 near FLH SB IFHW: CH60357330.45mi jon 4m Sept	
	CH6935-7130), 45m long, 4m depth					
WC-1050B	CH6935-7130), 35m long, 4m depth	60 0 20-Feb-14 A	07-May-14 A	Pipe Laying		
WC-1060A	CH7130-7200), 85m long (common trench with NB)	85 0 20-Mar-15 A	11-Jul-15 A		Pipe Laying - CHC 235 - 320 (DIV120) neir FLH S& (FHW: CH7130-720), 85m (nonministench with NB)	
WC-1060B	CH7200-7290), 100m long (common trench with NB)	95 0 12-Oct-15 A	15-Jul-16 A		Pee Laying - CHC 320 - 420 (KN1220) near [14 SB (FillW: CH72027 200, 100° tend; corrinoi tendi with NB)	
WC-1070A	Pipe Laying - CHC 420 - 530 (DN1200) near FLH S/B (FHW: CH7290-7380), 80m long (common trench with NB)	77 0 07-Jun-14 A	06-Sep-14 A		Ppe Laying-CH2 422 - 55 (DK)420) neir FLH SB (FHW: CH220-7380, 80m king (dom/on tiend with NB)	
WC-1070B	Pipe Laying - CHC 530 - 550 (DN1200), 20m, near FLH S/B (FHW: CH7380-7470) (common trench with NB)	25 25 30-Sep-17	01-Nov-17		Piệe Laying -CH-5 53 - 550 (DNI 200), 201n, neir FLH SIB (FHW: CH7350-7470) (common trench wit	th NB)
WC-1080	Pipe Laying - CHC 550 - 600 (DN1200) near FLH S/B (FHW: CH7380-7470), 50m long (common trench with NB)	85 0 27-Nov-14 A	18-May-15 A		Pipe Laying - CHC 550-600 (BN1200) near FLH SB (FHW: CH7380-7970), 50m long(common frend with NB)	
WC-1090A		30 0 09-Jun-15 A	13-Nov-15 A			
WC-1090B		21 21 25-May-17	19-Jun-17		Pipe J. anjig - CHC &15 - \$55 (N1/200), 30m, from "TW SRE to 1 Telepodon tee dramber	
WC-1090C	Pipe Laying - CHC 655 - 670 (DN1200), 15m, from IT inspection	25 25 20-Jun-17	19-Jul-17		📼 Pipe Jayng - C-HC 655 - 470 (\$M1420), 15m, tiom Ti Inspection tee chamber to combined valve chamber	
WC-1090D		24 0 13-Feb-17 A	28-Feb-17 A		📕 Pipe Laging -CHC/670 705/DN 2003 35th, for contributed value oftember to DN 1400 connection gioint	
WC-1090E	valve chamber to DN1400 connection point Pipe Laying - CHC 705 - 730 (DN1200), 25m, near DN1400	25 25 15-Jun-17	14-Jul-17		🛑 Pipe Laying CHC 725 - 730 DN1/200), žm. sear DN1400 connection point	
	connection point					
				Actual Work	CEDD Contract No. CV/2012/09 Date Revision Checked Appro	
				Remaining Work	07-Mar-17 Draft Sam Lam David Tu	ūng
					Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure	
				Summary Bar	Works, Contract 3	
《《後	和建築工程有限公	こ司		Critical Remaining Work		
	UN WO CONSTRUCTION & ENGINEE		•	 Milestone 		
				Actual Level of Effort	Updated Master Works Programme (Revision UMP05B)	
					Programme ID: UMP05B (Data Date: 20-Apr-17) Print Date: 13-May-17	
					Page 15 of 40	
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ctivity ID	Activity Name	OD RE	Start	Finish			20	014				2015				2016					2017		-		2018				2010	
WC-1090F	Pipe Laying - CHC 730 - 770 (DN1200), near Realigned TW SR	35	0 01-Sep-16 A	31-Od-16A	Aug Sep Oct Nov E	Dec Jan F Ma	ar Apr May Jun	Jul Aug	Sep Oct Nov De	ec Jan F Ma	ar Apr May Jur	n Jul Aug	Sep Oct Nov	Dec Jan Feb	Mar Apr Ma	y Jun Jul Au	lug Sep Od	t Nov Dec Ja Pipe Laving	n Feb Mar A -;CHC 730 - 1	Apr May Jun 770 (DN120	n Jul Aug Se 10), near Realig	p Oct Nov ned TW/SR E	Dec Jan Feb ast, 100m	Mar Apr Ma	y Jun Jul	Aug Sep O	t Nov Dec	Jan F Ma	ar Apr May	Jun Jul Aug Se
WC-1090G	East, 100m Pipe Laying - CHC 770 - 810 (DN1200) from combined chamber to		0 13-Jun-16 A	21-Jul-16 A												Pir	ipe Lavino - (CHC 770 - 810												
WC-1120A	Realigned TWSR East		0 18-Jul-16 A	22-Sep-16 A														pe Laying - CHI						320) 15m loo	a & GI					
WC-1120B	Pipe Laying - CHC 810 - 835 (DN1200) near Realigned TWSR East (TWSRE: CH270-320), 15m long & GL Pipe Laying - CHC 835 - 850 (DN1200), underneath J-Bridge, 15m		4 09-Jun-17	24-Jun-17																	Pipe Laying				-Bridge, 15r					
WC-1120B WC-1120C	Pipe Laying - CHC 855 - 850 (DN1200), undernealth 3-Bridge, 15m Pipe Laying - CHC 850 - 890 (DN1200) near J-Bridge		0 31-Aug-15 A	24-Jun-17 24-Sep-15 A									Pine'l svih	ig - CHC 850 -	890 (DN1200)	hear LBridhe					Pipe Laying	- UNC 635 -	650 (DIN 1200)	, underneaur J	Holiuge, ISI					
WC-1120C WC-1120D	Pipe Laying - CHC 890 - 910 (DN1200) near Realigned TWSR		0 10-Sep-15 A	07-Nov-15 A					ļ] [[TW/SR East (TV	VARE CH360	147(1), 20m l	bag & GI							ļļ		
WC-1130	East (TWSRE: CH350-370), 20m long & GL Pipe Laying - CHC 910 - 980 (DN1200) near Realigned TWSR		0 07-Jul-15 A	12-Dec-15 A														gned TWSR Ea												
WC-1140	East (TWSRE: CH370-456), 70m long & GL Pipe Laying - CHC 980 - 1030 (DN1200) near Realigned TWSR		0 17-Jun-15 A	31-Aug-15 A									Pipe Laving -					t jalong Round												
WC-1150	East (along Roundabout), 50m long & GL Pipe Laying - CHC 1030 - 1123 (DN1200) near Realigned TWSR		0 03-Mar-15 A	15-Jun-15A								Pipe Layin						esis Road A), 9												
WC-2000	East (along Access Road A), 93m long & GL Pressure Test for CHC	14 1		17-Nov-17																			Pressure Test f	er CHC						
WC-3000	Pressure Test for CHC (CHC 890 - 1123)	5 0		24-Feb-16 A											Prodeuro To el	tfor CHC (CH	C 800 - 112	23								ļļ				
WC-3010	Cleaning		0 11-Mar-16 A	14-Mar-16 A											Clearing															
WC-3020	CCTV Inspection	5		17-Mar-16 A											CCTV Ins	mention														
WC-3020 WC-3030	Water Sampling	5		05-Apr-16 A											Water															
WC-3030 WC-3040	Functioning of Newly Laid Pipeline (CHC 890 - 1123)	0		06-Apr-16 A											 Water Funct 		A/ Loid Pircs	line (CHC 890	. 11231											
DN1400 Water Main			0 21-Jul-14 A	11-Oct-14A	.										- Funct		., cad mpeli			.				ļļ						
WD-1000	Pipe Laying - CHD 0 - 60 (DN1400) near Fanling Highway S/B	59		03-Sep-14 A					Pine Joins C		400) near Fanlin	Higher	B																	
WD-1000 WD-2000	Pressure Testfor CHD		0 21-Jul-14 A	12-Sep-14 A					Pressure Test		-soy near ranin	igi ngriway \$																		
WD-2010	Cleaning & Sterilization	3		09-Sep-14 A					Cleaning & Ste	mzatiok																				
WD-2020	CCTV Inspection		0 13-Sep-14 A	19-Sep-14 A					CCTI/ Insper	aun										.				ļļ				ļļ		
WD-2030	Water Sampling	3		24-Sep-14 A					Water Samp																					
WD-2040	Connection to Existing Mains		0 25-Sep-14 A	11-Od-14A					🗖 Qonnecti	on to Existing M	ains																			
	Mains (CHE & CHG)	934 11		05-Sep-17																										
WE-1000	Pipe Laying - CHE & CHG 0 - 45 (Twin DN1400) near FLH S/B (FHW: CH7130-7290)		0 09-Jul-14 A	19-Dec-14 A						Pipe Laying	CHE & CHG 0		N1400) near FLI		H7180-7290)															
WE-1010	Pipe Laying - CHE & CHG 45 - 130 (Twin DN1400) near FLH S/B (FHW: CH7290-7380)		0 07-Jun-14 A	06-Sep-14 A					Pipe Laying - C	HE & CHG #5			LH S/B (FHW: C													ļļ				
WE-1020	Pipe Laying - CHE & CHG 130 - 200 (Twin DN1400) near FLH S/B (FHW: CH7380-7 470)		0 15-Oct-14 A	12-Mar-15 A							Pipe Laying - C	HE & CHG	130 - 200 (Twin			N: CH7380-74														
WE-1030	Pipe Laying - CHE & CHG 200 - 210 (Twin DN1400) near crossing TWSRE		0 09-Jun-15 A	13-Nov-15 A									P	ipe Laying - Cl	1E & CHG 200	0 - 210 (Twin D	2N1400) nea	ar crossing TW	SHE											
WE-1040	Pipe Laying - CHE & CHG 220 - 260 (Twin DN1400) near Pier AA4			10-Jun-17																			220 - 260 (Twir							
WE-1050	Pipe Laying - CHE & CHG 260 - 280 (Twin DN1400) near Pier AD8			29-May-17																	ipe Laying - CH									
WE-1060a	Pipe Laying - CHG 280 - 325 (Twin DN1400) from Portal AB7/AD9/AC12 to combined valve chamber	33		29-Apr-17																	aying - CHG 28		DN1400)(from					Pipe Laying -		
WE-1060b	Pipe Laying - CHE 280 - 325 (Twin DN1400) from Portal AB7/AD9/AC12 to combined valve chamber	38 1		13-May-17															•						AD9/AC12	to combined v	alve chamb	ar, Pipe Laying	-CHE 280	325 (Twin DN 140
WE-1070	Pipe Laying - CHE & CHG 325 - 380 (Twin DN1400) from combined chamber to new connection point	131		25-Jan-17 A															Pipé Laying	g - CHE & C	HG 325 - 380	(Twin DN140))) from combin		new conne	ction point				
WE-1080	Construction of combined valve chamber with MBV installation	109 5		30-Jun-17																	Constructio	in of combine	d valve chamb	er with MBV in	stallation, C	onstruction of	combined v	alve chamber	with MBV in	tallation
WE-2000A	Pressure Test, for CHE (Stage 1 Diversion)	5	0 06-May-15 A	11-May-15 A							Pres		CHE (Stalge 1																	
WE-2000B	Pressure Test for CHG (Stage 1 Diversion)	5		02-Apr-15 A									(Stage 1 Diversio																	
WE-2010A	Cleaning & CCTV Inspection for CHE (Stage 1 Diversion)	10		21-May-15 A									TV Inspection fo		Diversion)															
WE-2010B	Cleaning & CCTV Inspection for CHG (Stage 1 Diversion)	10		10-Apr-15 A							Gleaning &	& CCTV Insp	ection for CHG	(Stage 1 Diver	sion)															
WE-2020A	Installation of Connecting Pipe for Connection to Existing Mains (CHE)	10		20-May-15 A							Inst		onnecting Pipe																	
WE-2020B	Installation of Connecting Pipe for Connection to Existing Mains (CHG)		0 04-Apr-15 A	11-Apr-15 A							Installation	n of Connect	ting Pipe for Cor	nnection to Exis	ting Mains (CF	IG)														
WE-2030A	Sterilization and Sampling for CHE (Stage 1 Diversion)	3	0 21-May-15 A	23-May-15 A							I Ste	erlization and	d Sampling for C	HE (Stage 1 D	iversion)															
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16	和建築工程有限·	公司	r i		Critical	Remainir	ng Work						V	Vorks	s, CO	ntrac	ct 3													
	UN WO CONSTRUCTION & ENGINE			•	 Milesto 	one											-													
					Actual	Level of E	Effort			Upda	ted M	laste	er Wo	rks P	rogr	amm	ne (R	levisi	on U	MP(J5B)									
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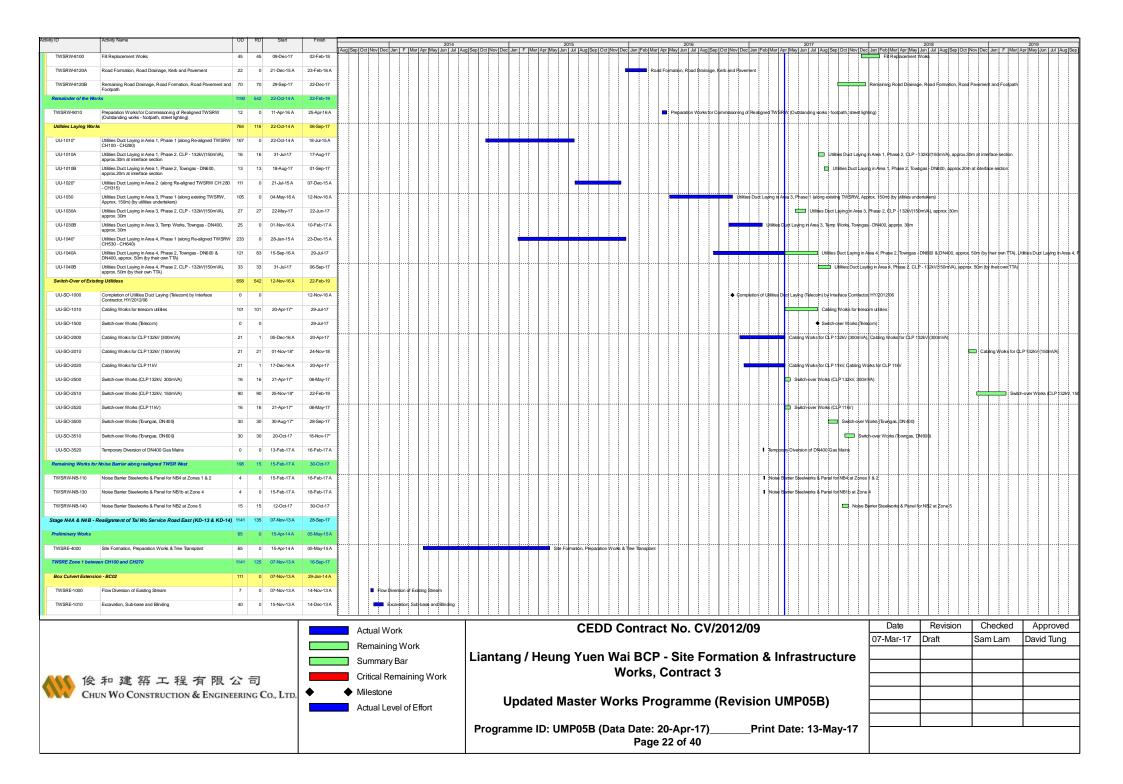
Activity ID	Activity Name	OD RD	Start	Finish					2014		_		20	015				20	016				20	17				2018				20'	19	
WE-2030B	Sterilization and Sampling for CHG (Stage 1 Diversion)	3 0	13-Apr-15 A	15-Apr-15 A	Aug Sep C	Oct Nov Dec	Jan F Ma	ar Apr May Ju	in Jul A	Aug Sep Oct I	lov Dec Ja	n F Mar	Apr May Jun Sterilization		Sep Oct M pling for CH		n Feb Mar Diversion)	Apr May Jun	Jul Aug S	Sep Oct Nov	Dec Jan F	eb Mar Ap	or May Jun	Jul Aug Sep	Oct Nov De	c Jan Feb	Mar Apr Ma	y Jun Jul	Aug Sep Oct	Nov Dec	Jan F M	ar Apr May	y Jun Jul	Aug Sep
WE-2050A	Connection to Existing Mains (CHE) (Stage 1 Diversion)	6 0	21-May-15 A	27-May-15 A									Co	onnection to	c Existing Ma	ins (CHE) (S	stage 1 Diver	sion																
WE-2050B	Connection to Existing Mains (CHG) (Stage 1 Diversion)	6 0		18-Apr-15.A									Connectic	on to Existin	ing Mains (ÇI		1 Diversion)																	
WE-3010A	Pipe Cleaning for CHE (Stage 2 Diversion)	17 17		05-Jul-17																				Pile Cleanir	ng for CHE (St	ane 2 Diver	(nn)							
WE-3010B	Pipe Cleaning for CHG (Stage 2 Diversion)	17 17		08-Aug-17																					leaning for CH		Diversion							
WE-3020A	Pressure Test for CHE (Stage 2 Diversion)	7 7	06-Jul-17	13-Jul-17										ļ	ļļ										estfor CHE (S					ļļ				
WE-3020B	Pressure Test for CHG (Stage 2 Diversion)	1 1	09-Aug-17	16-Aug-17																					sure Test for Cl									
WE-3030A	Installation of Connecting Pipe at ID5 (CHG)	4 4	01-Aug-17	04-Aug-17																					tion of Connec									
WE-3040A	CCTV Inspection and Sterilization for CHE (Stage 2 Diversion)	11 11	14-Jul-17	26-Jul-17																				CCTV In	spection and		or CHE (Stage)					
WE-3040B	CCTV Inspection and Sterilization for CHG (Stage 2 Diversion)	12 12	17-Aug-17	30-Aug-17																				C CC	TV Inspection	and Steriliz	ition for CHG	(Stage 2 D	version)					
WE-3050A	Connection to Existing Mains (CHE) (Stage 2 Diversion)	4 4	27-Jul-17	31-Jul-17																				Connec	tion to Existing	Mains (CH) (Stage 2 Di	iversion)						
WE-3050B	Connection to Existing Mains (CHG) (Stage 2 Diversion)	5 5	31-Aug-17	05-Sep-17																				D C	onnection to E	xisting Main	s (CHG) (Stag	ge 2 Diversio	n)					
WE-4010	Exposure of watermain connection point near NB3	32 32	08-May-17*	14-Jun-17																			-	xposure of war	termain conne	ction point n	ar NB3							
WE-4020	Exposure of watermain connection point near NB71	20 20	19-May-17	12-Jun-17																			- E	xposure of wat	ermain connec	ction point n	ar NB71							
DN2200 Water Main	s (CHF)	607 223	10-Dec-15 A	16-Jan-18																														
WF-1000A	Construction of Receiving Pit (Pit 1) for DN2200 (CHF), Section 1 (near Pier AA8)	21 25	27-Mar-17 A	20-May-17								+		+	+++						+		Cons	truction of Rec	eiving Pit (Pit 1) or DN220) (CHF), Sec	tiqn 1 (hear (Pier AA8), Cons	truction of	Receiving Pit	(Pit 1) tor E	JN2200 (CI	F), Section
WF-1000B	Construction of Launching Pit (Pit 2) for DN2200 (CHF), Section 1	33 0	17-Mar-17 A	11-Apr-17 A																			Construction	n of Launching	Pit (Pit 2) for D	0N2200 (CH), Section 1 ((near Pier AB	(3)					
WF-1010	(near Pier AB3) Excavation - CHF 9 - 54 (DN2200) across ext. TW SRW by	101 101	08-May-17*	04-Sep-17																				E	cavation - CH	IF 9 - 54 (DI	2200) actoss	ekt. TW SRV	V by Trench less	Method,	45m long			
WF-1020	Trenchless Method, 45m bng Pipe Laving - CHF 9 - 54 (DN2200) across ext. TWSRW &	54 54		09-Nov-17																					Pipe	Laying - CH	F 9 - 54 (DN2	200) across	ext. TWSRW 8	associate	ed Groutina V	Vorks, 45m li	long	
WF-1030	associated Grouting Works, 45m long Trench Excavation and Temporary Works to Support 132kV	30 30		18-Oct-17																									pport 132kV C					
WF-1040	Cables, Section 2 Pipe Laying - CHF 54 - 73 (DN2200), Section 2	12 12		06-Nov-17										ļ	ļļ												54 73 (DN							·
WF-1050 A	Construction of Launching Pit (Pit 3) for DN2200 (CHF), Section 3 (near Pier AA7)			31-May-17																			C0	nstruption of La			200 (CHF), S			instruction			for DN2200 (
WF-1050 B	Construction of Receiving Pit (Pit 4) for DN2200 (CHF), Section 3 (near FLH NB)			26-May-17																			Cor						FLH NB), Con			ι (Pit 4) for E	DN2200 (CI	IF), Sectio
WF-1060	Excavation - CHF 73 - 91 (DN2200) across Box Culvert BC01 by Trenchless Method, 18m ibng	60 60	07-Jun-17	16-Aug-17																				Exca	vation - CHF 7	73-91 (DN2	200) across B	ok Culvert B	C01 by Trenchi	less Metho	id, 18m long			
WF-1070	Pipe Laying - CHF 73 - 91 (DN2200) across Box Culvert BC01 & associated Grouting Works, 18m long	38 38	17-Aug-17	29-Sep-17																					Piple Laying	- CHF 73 -	1 (DN2200)	across Box C	Culvert BC01 &	associate	d Groating Wr	orks, 18m lo	ong	
WF-1080	Trench Excavation from Pit 4 to Connection Point near FLH NB, Section 4	36 36	26-Jun-17	07-Aug-17																				Thench	Excavation fit	om Pit 4 to C	onnection Po	vint near FLI	INB, Section 4					
WF-1090	Pipe Laying - CHF 91 - 105 (DN2200), Section 4	12 12	30-Sep-17	16-Oct-17																					Pipe Lay	ing - CHF 9	- 105 (DN22	00), Section	4					
WF-1100	Expose existing DN2200 bend block	25 25	22-Jul-17	19-Aug-17																				Expo	se existing DM	12200 bend	block							
WF-1110	Trimming existing bend block	60 60	21-Aug-17	01-Nov-17																					Triện m	ing existing	end block							
WF-1120	Fabrication of DN2200 fitting for connection	40 40	02-Nov-17	18-Dec-17																					-	Fabricatio	of DN22D0 f	itting for con	nection					
WF-2000	Pressure Test for CHF	12 12	10-Nov-17	23-Nov-17											++										🗖 Pr	essure Test f	or CHF							
WF-2010	Cleaning & CCTV Inspection for CHF	24 24	24-Nov-17	21-Dec-17																						Cleaning	& CCTV Inspe	ection for CH	F					
WF-2030	Connection to Existing Mains	6 6	22-Dec-17*	30-Dec-17*																						Connec	on to Existing	Mains						
WF-3000	Semi-Structural Lining on existing DN2200 underneath Link Road	25 0		19-Dec-15 A												Ser	niStructurall	Lining on existi	ng DN2200	underneath I	ink Road 4,	52m long (C	overed by V	O no.0771										
WF-4000	4, 52m long (Covered by VO no.077)	60 60		16-Jan-18																						Mode	cation of the	Existing	2200 DAV Char	mber st F	ahling Hinhwa	v near Kin *	Tatu Footbo	pe (covere
	Modification of the Existing DN2200 DAV Chamber at Fanling Highway near Kiu Tau Footbridge (covered by VO no.50)	431 0		24-Dec-15 A										ļļ	ļļļ								·							- (' '				
WJ-1000	s and Leakage Collection System (CHJ & CHKA/CHK)	431 0		27-Jul-15A										L		of TA C+	eme F2 (Shi	Hing TA/GPT -		formation	hondo	oling History												
	Implementation of TTA - Scheme E2 (Shifting TWSRE toward newly formation area beside Fanling Highway)													imp	pernentation				ware newly	iomnation are	n neage La	ming Highwa	x)											
WJ-1010A	Pipe Laying - CHJ 0 - 10 (DN2200) near existing TWSR East, 10m long & 6m depth			10-Jun-15A										Hipe Laying	g-CH10-1) (DN2200) I	11	TWSR East, 1	0m long & 6	om depth														
WJ-1010B	Pipe Laying - CHJ 10 - 50 (DN2200) crossing existing TWSR East, 40m long & 6m depth			03-Nov-15 A												Pipe Laying	CHJ 10 - 0	50 (DN2200) cr	ossing exist	ing TWSR Eas	ist, 40m long	∣& 6m dept												
WJ-1010C	Pipe Laying - CHJ 50 - 100 (DN2200) near existing TWSR East, 50m long & 6m depth	75 0	08-Jun-15 A	07-Sep-15 A									-		Pipe Lay	ing - CHJ 50	0 - 100 (DN2	200) near existi	hg TWSR E	ast, 50m long	& 6m depth													
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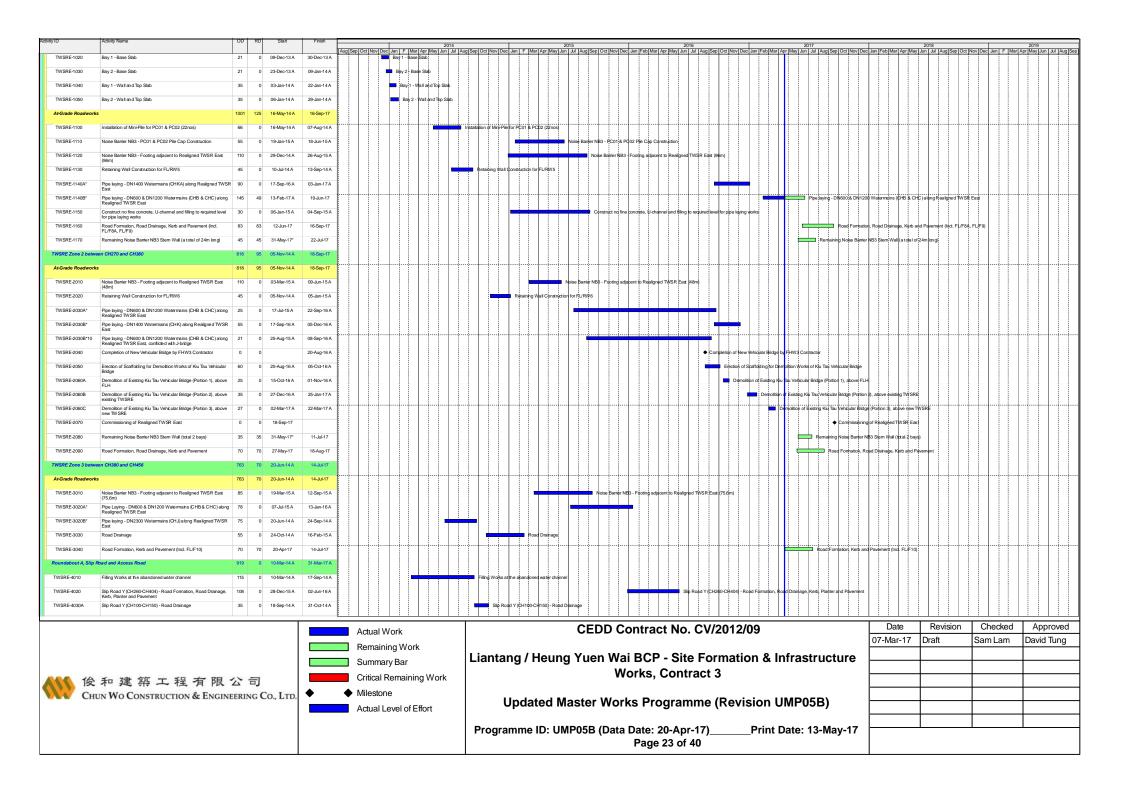




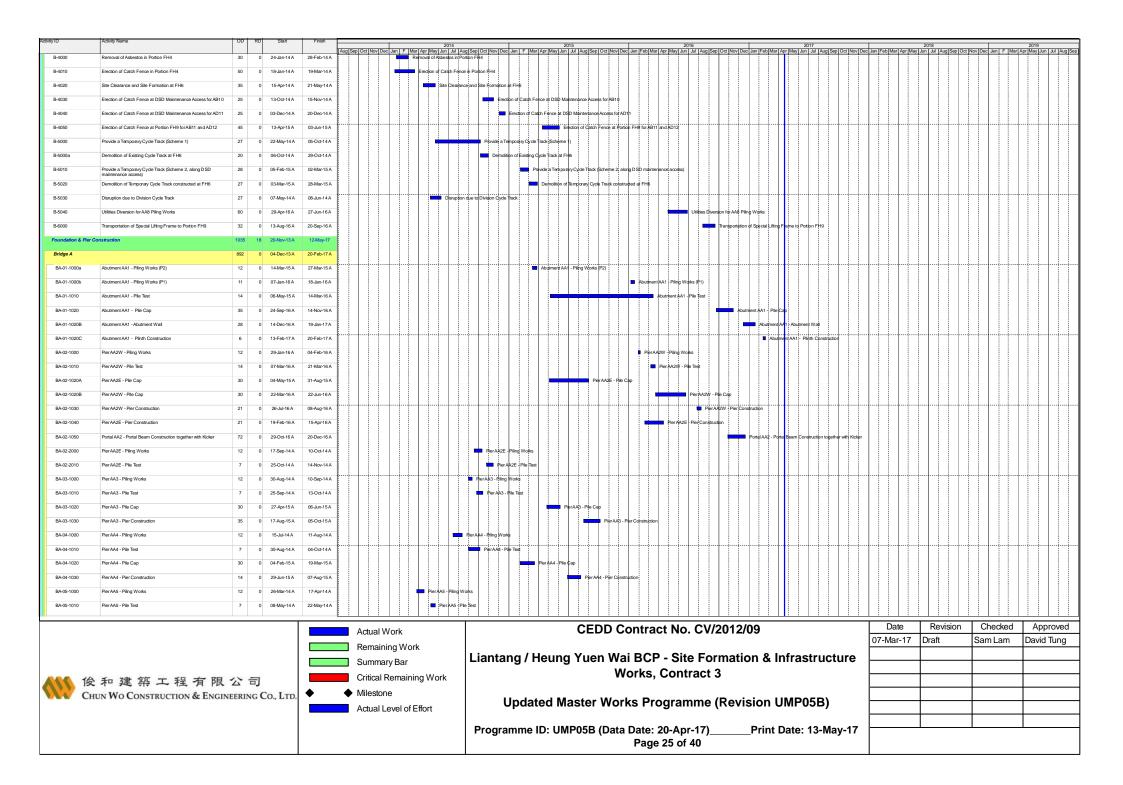


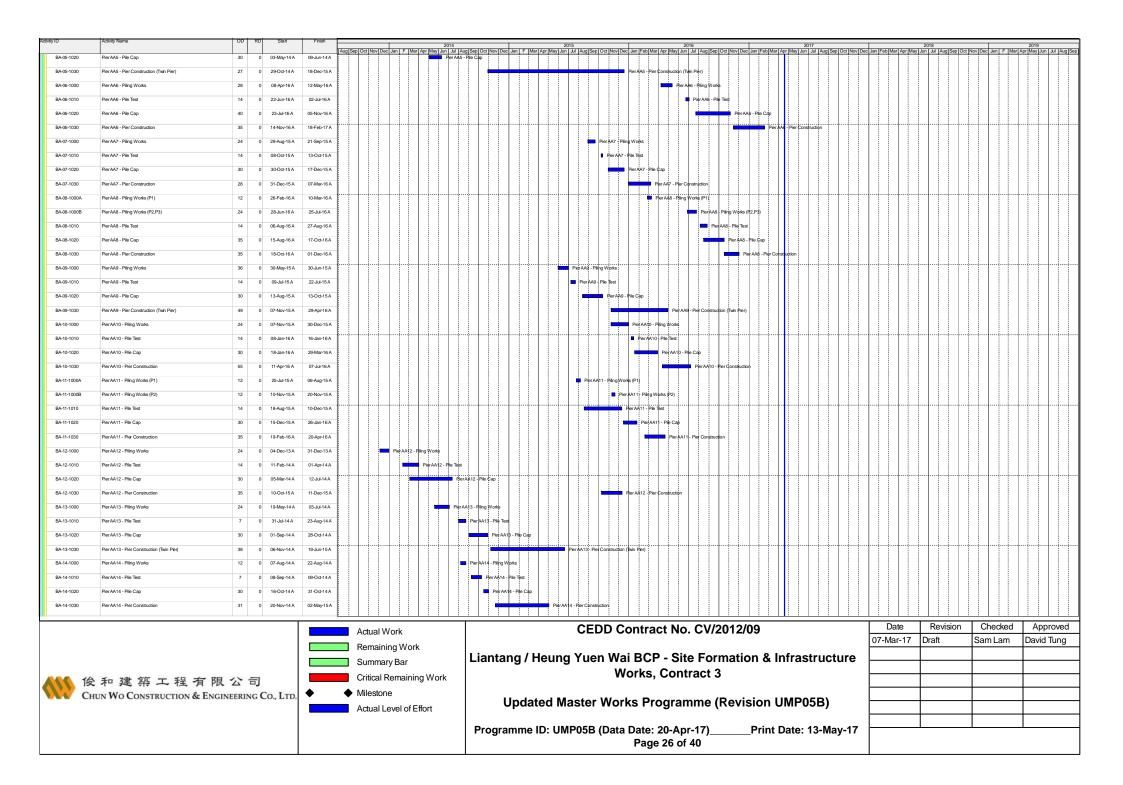
Activity ID	Activity Name	OD RI	D Start	Finish	2014 2015	2016 2017	2018		2019
Box Culvert Extension	n - BC01	1160 4	15 07-Jan-14 A	06-Mar-18	ep Oct Nov Dec Jan F Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan F Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar /	pr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov I	ec Jan Feb Mar Apr May Jun Jul Aug Sep Oo	t Nov Dec Jan F Mar Apr	r May Jun Jul Aug Sep
TWSRW-6000	Flow Diversion of Existing Stream	4	0 07-Jan-14 A	07-Jan-14 A	I Flow Diversion of Existing Stream				
	Excavation and Sub-base for construction of Bay 1		0 07-Jan-14 A	25-Jan-14 A	Exclavation and Sub-base for construction of Bay 1				
	Excavation and Sub-base for construction of Bay 2		0 04-Mar-14 A	12-Mar-14 A	Excertain a Decircular to parameter or pay				
	Bay 1 - Base Slab		0 11-Feb-14 A	28-Feb-14 A	Bay1-Base Slad				
	Bay 2 - Base Slab		0 13-Mar-14 A	18-Mar-14 A	Bay 2 - Başe Silab				
	Bay 2 - Remaining Base Slab (treated as outstanding works)	45 4		06-Mar-18*			Bay 2 -Remaining Base Slab (treate	d as outstanding works)	
TWSRW-6040	Bay 1 - Wall and Top Slab	18	0 01-Mar-14 A	10-Mar-14 A	Bay 1 Wall and Top Stab				
TWSRW-6050	Bay 2 - Wall and Top Slab	11	0 19-Mar-14 A	25-Mar-14 A	Bay2 - Wall and Top Stab				
TWSRW-6060	Backfilling to existing road level	55	0 25-Mar-14 A	09-Jun-14 A	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	Inlet structure of the box quiver BCQ1 (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	Backfilling to existing road level after completion of in	t spructure			
At-Grade Roadworks		90	0 22-May-15 A	28-Jul-16 A					
TWSRW-6110	Slope Upgrading Works for unie gistered feature beside Slope	90	0 22-May-15.A	28-Jul-16 A		Sloke Ustaradina Works for uhre aktere til fækure beside Sloce 3 SW-D/C80 (Covere	d by VO, 68)		
	3SW-D/C80 (Covered by VO. 68)		0 06-Dec-13 A	22-Dec-17					
Construction of Retail			0 06-Dec-13A	27-Nov-14 A					
				27-1N0V-14 A					
	Implementation of TTA - Scheme W2 (Part 2)		0 06-Dec-13 A		♦ Implementation of TTA-Scheme W2 (Part 2)				
TWSRW-7010	Slope Cutting and Drainage Channel	235	0 06-Dec-13 A	27-Nov-14 A	Stope Cutting and Drariage Channel				
TWSRW-7020	Installation of Soil Nail (129 nos)	40	0 10-Jun-14 A	13-Sep-14 A	Installation of Sol Nai (129 nos				
At-Grade Roadworks		833 7	0 03-Nov-14 A	22-Dec-17					
TWSRW-7100	Preparation Works for Implementation of TTA - Scheme W3A (temporary road connecting the realigned TWS RW to existing)	45	0 29-Feb-16 A	25-Apr-16 A		Preparation Works for Implementation of TTA: Scheme W34 (temporary road connecting the realig	ned TW\$RW to existing)		
TWSRW-7110	Implementation of TTA - Scheme W3A (temporary road connecting the realigned TWSRW to existing)	0	0 26-Apr-16 A			Implementation of TA- Scheme W3A (temporary road correcting the realigned TWSRW to exign	1g)		
	Road Drainage (incl. Zone 6 & Zone 7)	80	0 03-Nov-14 A	27-Jan-15 A	Roạd Disinage (ind. Zohe 6 & Zoije 7)				
TWSRW-7140	Installation of Cable Ducts for Utilities Diversion Works at Area 4	233	0 28-Jan-15 A	23-Dec-15 A	Instalation of Ca	ble Ducts for Utilities Diversion Works at Area 4 (Approx. 150m) (by utilities undertakers)			
TWSRW-7150	(Approx. 150m) (by utilities undertakers) Road Drainage Road Formation DN150 watermain Kerb Planter		0 01-Dec-15 A	04-Feb-16 A	Rand Dr.	inage, Road Formation, DN 50 watermain, Kerb, Planter and Pavement (incl. Zone & Zone 7)			
	and Pavement (incl. Zone 6 & Zone 7) Pipe Laying - DN150		0 13-Jul-15 A	21-Dec-15 A					
	Preparation Works for Implementation of TTA - Scheme W3B (shift TWSRW NB traffic westward, permanent alignment)		0 27-Apr-16 A	30-Aug-16 A		terreparation Worksfor Implementation of TTA - Scheme W3B (shift TWSRW)	IB traffic we stward, permanent alignment)		
TWSRW-7180	Implementation of TTA - Scheme W3B (shift TWSRW NB traffic westward, i.e. permanent alignment)	0	0 31-Aug-16 A			Implementation of ITA - Scheme W3B (shift TWSRW NB traffic westward, i.e.	. permanent alignment)		
TWSRW-7190	Remaining Road Drainage, Road Formation, Road Pavement and Footpath (incl. Zone 6 & Zone 7)	70 7	0 29-Sep-17	22-Dec-17			Remaining Road Diainage, Road Formation, Ro	ad Pavement and Footpath (inc	1. Zoné 6 & Zone 7)
TWSRW Zone 8 betwee	een CH640 and CH695	800 10	13 06-Oct-14 A	02-Feb-18					
Kiu Tau Footbridge R	Reprovision (West)	527	0 06-Oct-14 A	20-Feb-17 A					
TWSRW-8000	Pre-Drilling Works for Socket H-Pile	7	0 06-Oct-14 A	21-Oct-14A	Pre-Drilling Works for Socket H-Pile				
TWSRW-8010A	Working Platform for Piling Work of Proposed Kiu Tau Footbridge	24	0 11-May-15 A	20-Jun-15 A	Working Pliatform for Piling Work of Proposed K	Tău Footbridge			
TWSRW-8010B	Installation of Socket H-Pile for Proposed Kiu Tau Footbridge (13	75	0 07-Jul-15 A	11-Sep-15 A	Installation of Socket #-Pile for Pile	poljed Klu Taµ Footbridge (1\$) nosjof Pile)			
TWSRW-8020A	nos of Pile) KT-P1 & P5 - Pile Cap	85	0 02-Dec-15 A	20-Jul-16 A		KT-P1 & P5 - P\$e Cap			
	KT-P1 & P5 - Pier Construction	28	0 01-Nov-16 A	16-Nov-16 A		TFPI & P5 - Pier Construction			·
	KT-P1 & P5 - RC Deck & Bearing Installation		0 19-Dec-16 A	18-Jan-17 A		KTPI&P5-RC Depk & Bearing Installation			
	KT-AB4 - Pile Cap, Abutment and Beating Installation		0 02-Dec-15 A	03-Nov-16 A		KTAB4 - Pile Cap, Abut minit and Beating Installation			
	Steel Truss Installation at TWSR West		0 16-Feb-17 A	20-Feb-17 A		Steel Truss Installation at TWSR West			
At-Grade Roadworks		598 10	13 21-Dec-15 A	02-Feb-18					
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Сни	IN WO CONSTRUCTION & ENGINE	ERING	CO., LTD.	-	Milestone Updated Master Works Pro	gramme (Revision UMP05B)			
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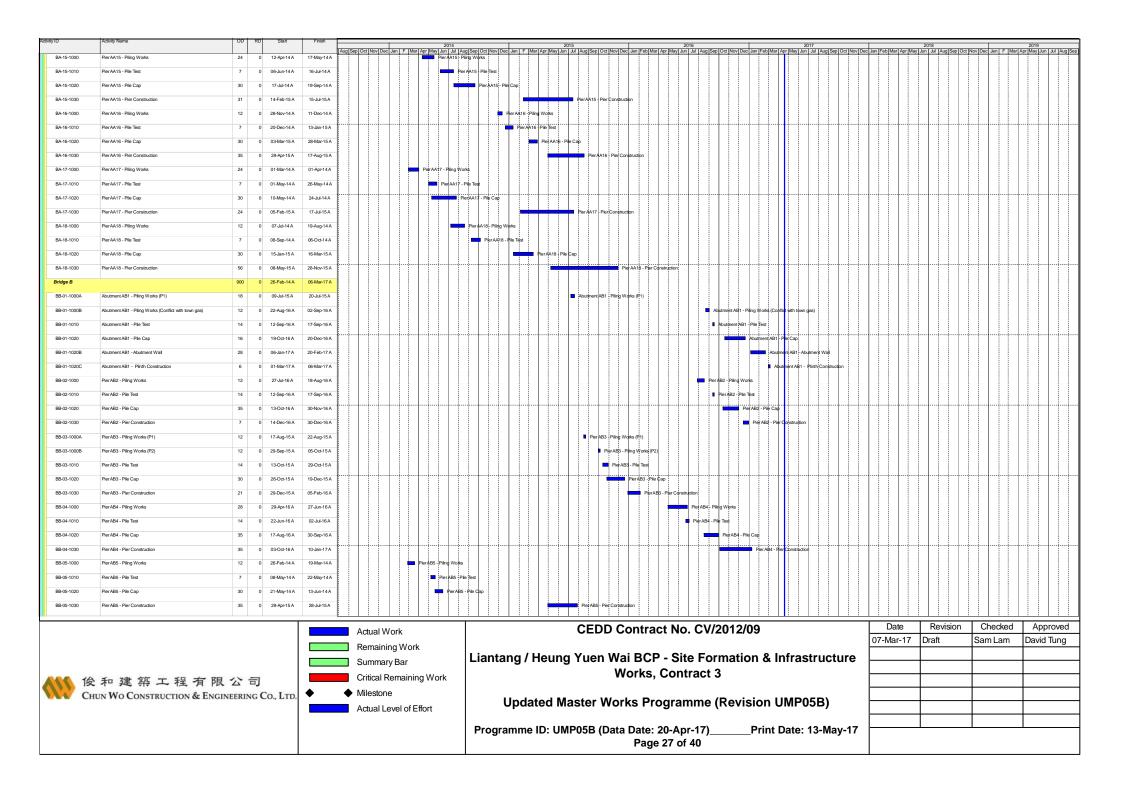


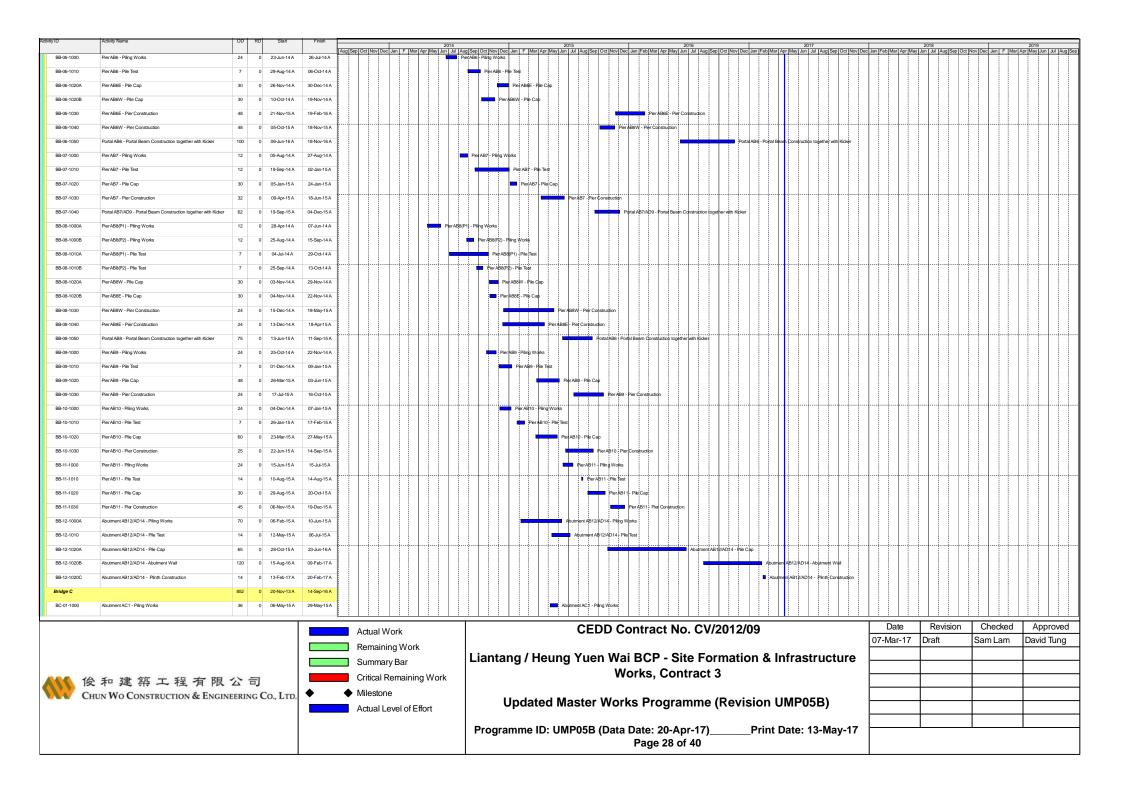


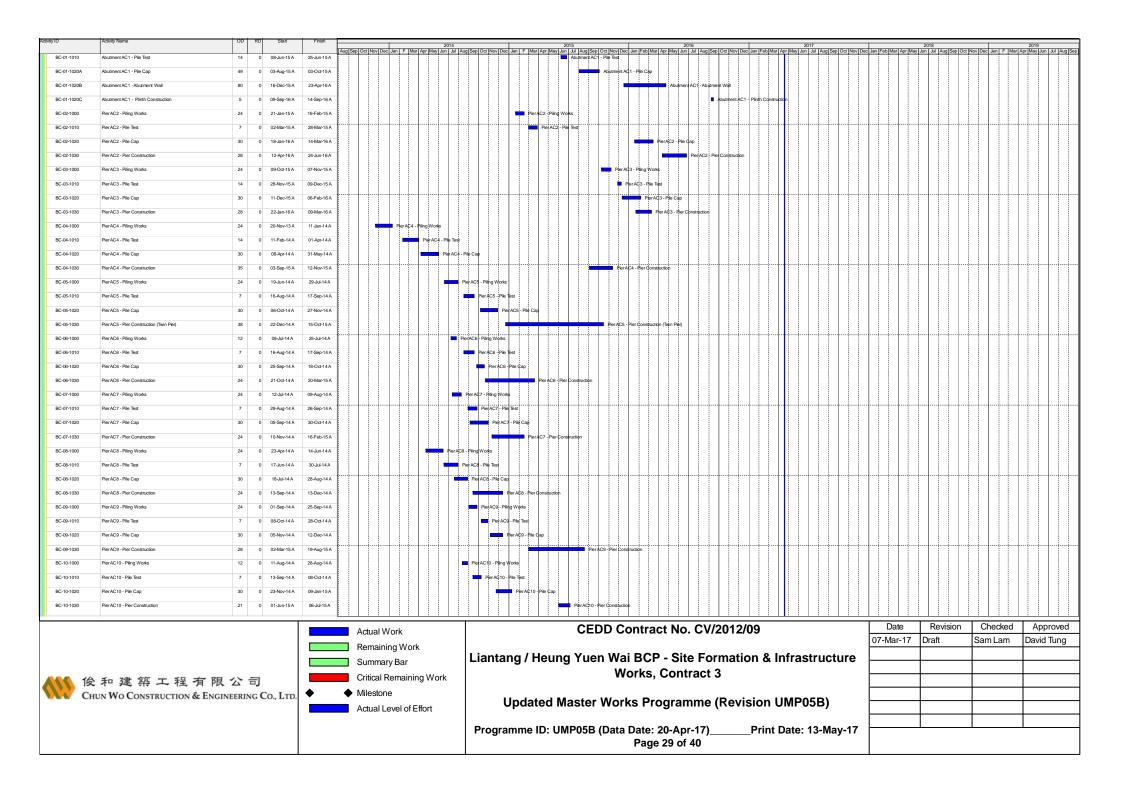
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Actual Work Remaining Work Summary Bar Critical Remaining Work Critical Remaining Work Critical Remaining Work ◆ Milestone Critical Remaining Work	B-3050	Relocation of Plant including Pre-drilling Works	15 0 08-M	ar-16 A 07-Ap	16A	n e ferre de la constance de la									
Actual Work Remaining Work Summary Bar Critical Remaining Work Milestone Undated Master Works Programme (Revision LIMP05B)	B-3060	Plant Mobilization for Plling Rig (Plant 4) (for viaduct construction)	7 0 12-M	ıy-14 A 13-Ma	14A I Plant Mc										
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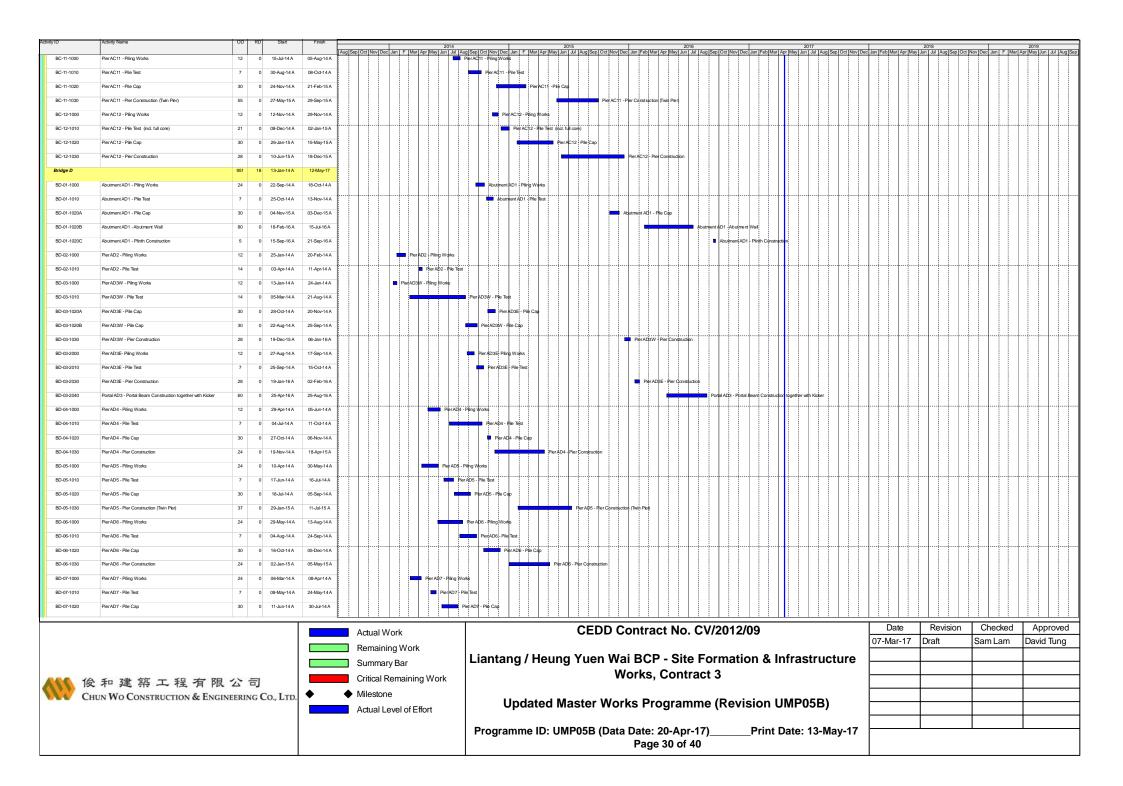


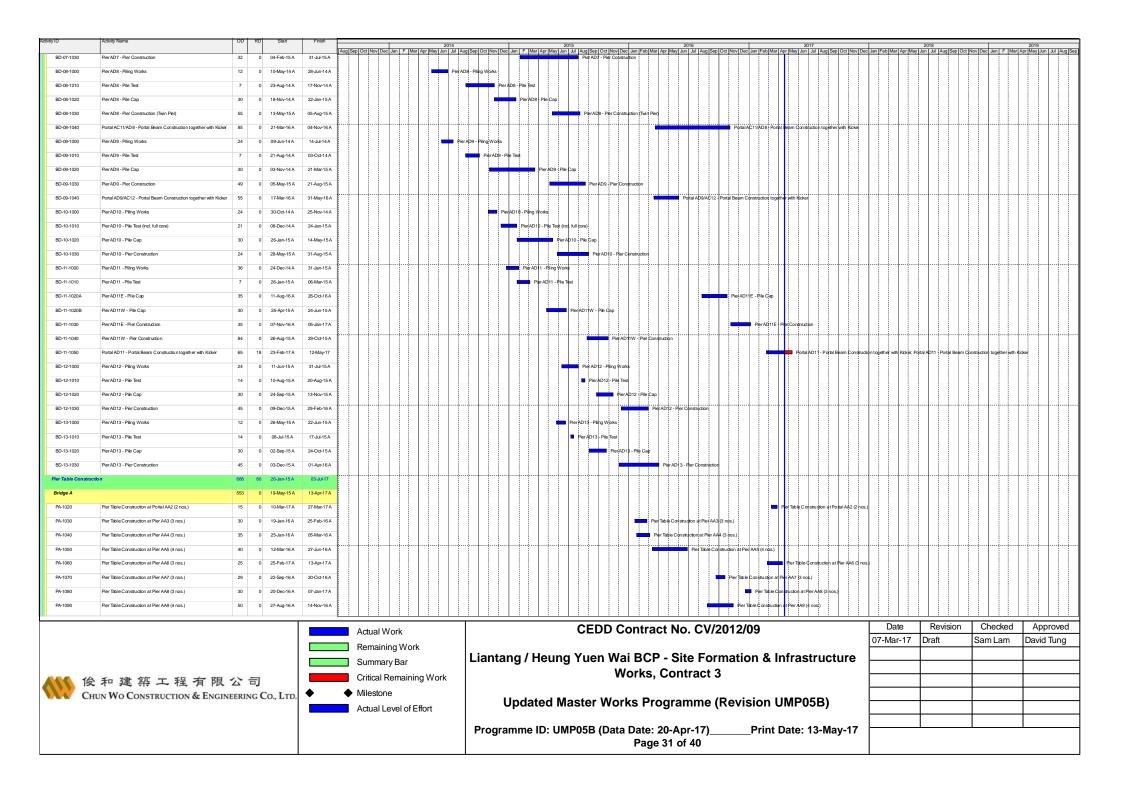


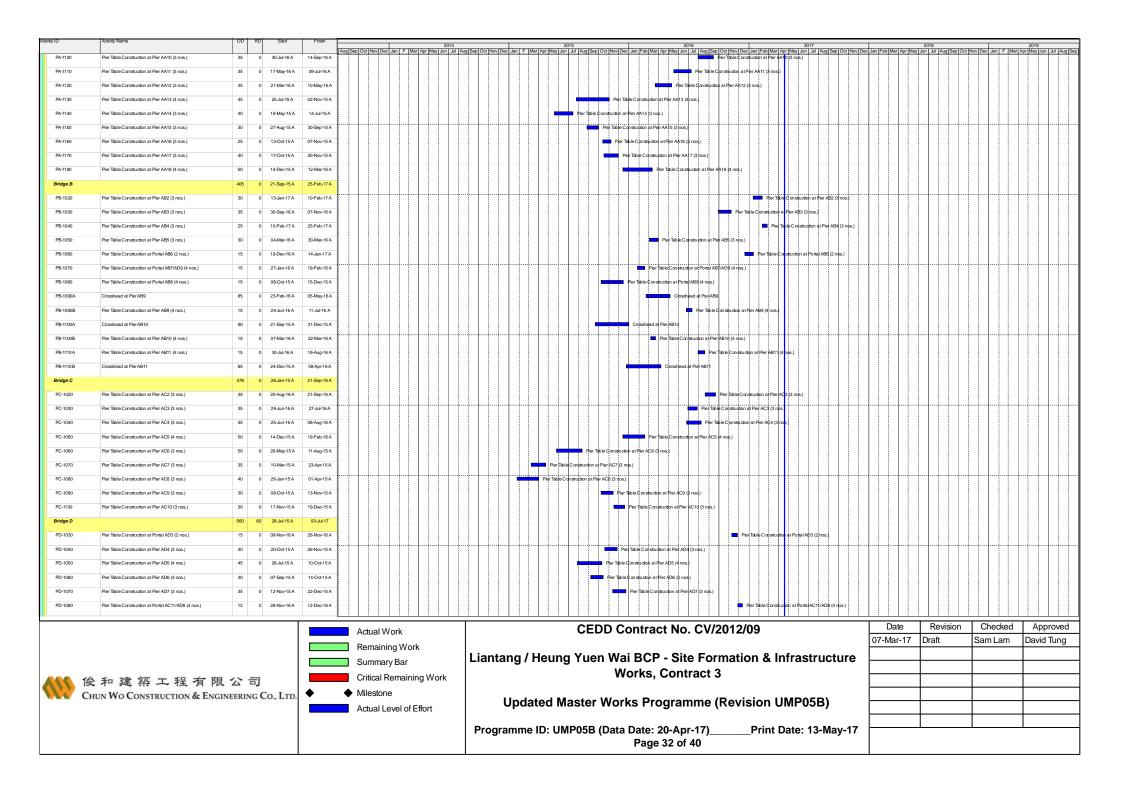






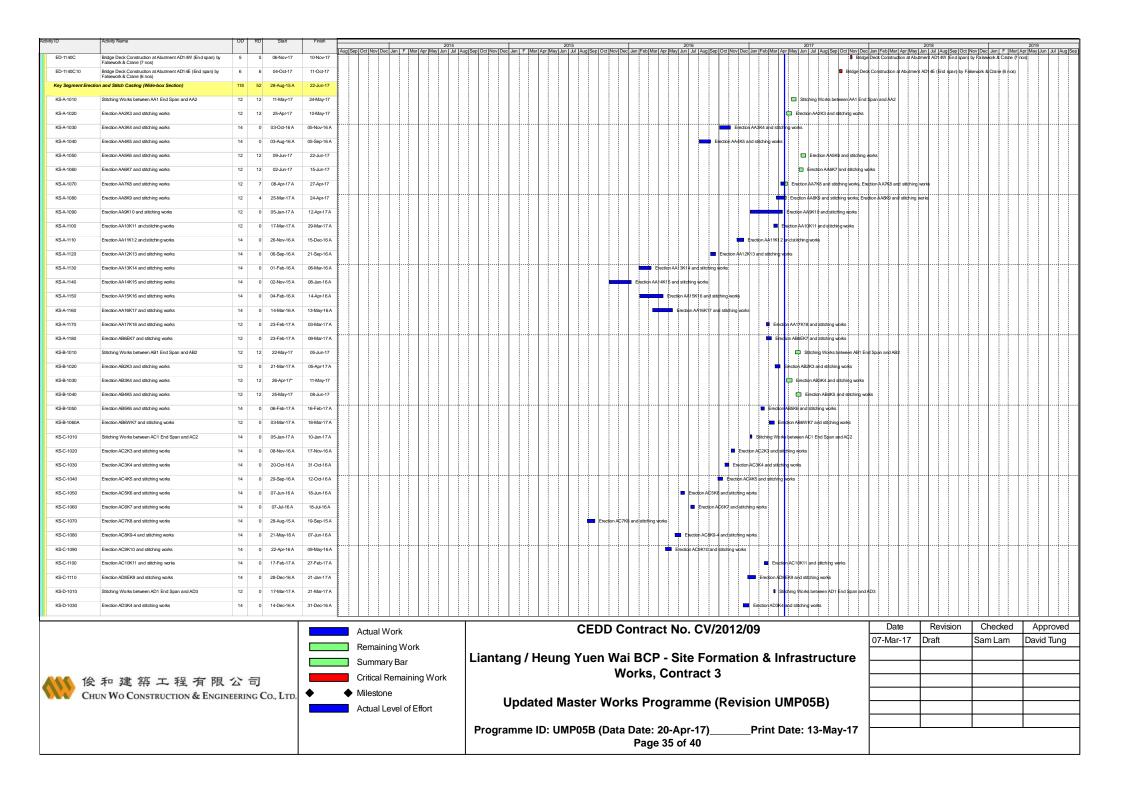






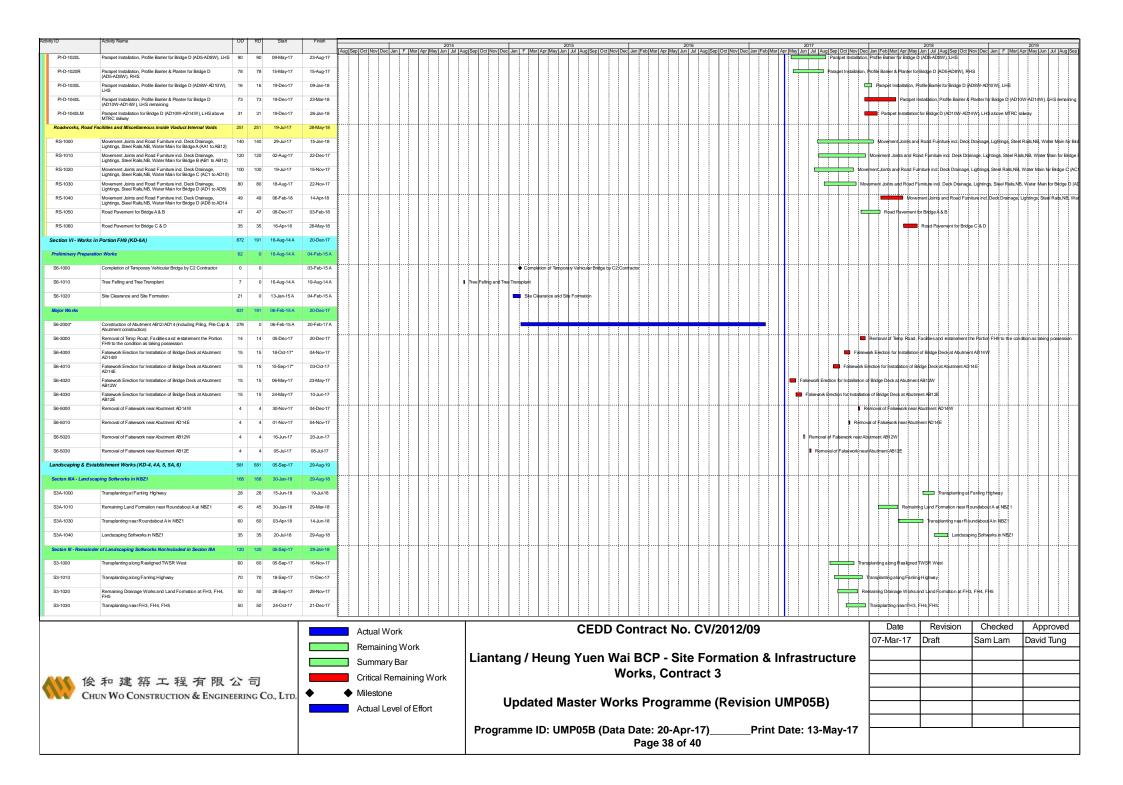
P0-1000 Per Table Construction at Portal AD9/AC12 (4 nos.) 15 0 29-Aug-16A 17-Sep-16A 17		Jan Feb Mar Apr May	Jun Jul Aug Sep Oct	Nov Dec Jan F Mar	Apr May Jun Jul Aug Sep
PD-1100A Crosshead at PerAD10 90 0 06-0d:15A 03-Feb-16A Cosshead at PerAD10 Cosshead at PerAD10					and a set out it and de
	Pier Table Construction at Po	rtal AD11 (4 nos.)			
PD-1120A Crosshead at PerAD12 90 0 08-Apr-16A 31-Jul-16A					
PD-11208 Per Table Construction at Per AD12 (4 nos.) 15 0 27-Jan-17A 23-Feb-17A 23-Feb-17A 23-Feb-17A	on at Pier AD12 (4 nos.)				
PD-1130 Pler Table Construction at Pier AD13 (4 nos.) 15 23 01-Age-17A 18-May-17	able Construction at Pier AD13 ((4 nos.), PierTable Const	ruction at Pier AD13 (4 no	s.)	
PD-11308 Crosshead at PerAD13 85 0 26-May-16A 29-Aug-16A 29-Aug-16A					
Viaduc/B/digo Segement Erection 783 243 11-May-15 A 06-Feb-18					
Bridge A 499 34 31-4ug-15A 01-Jun-17					
EA-1010A Erection of Segment A1100 20 0 06Atta-17A 24Atta-17A	ment AA11U0				
EA-10108 Bridge Deck Construction at Abutment AA1 (End-span) by 6 4 19-Apr-17A 24-Apr-17 1 Bridge Deck	ck Construction at Abutment A	A1 (End-span) by False w	ork & Crane (6 nos), Bridge	Deak Can struction at Abu	ment AA) (End-span) by Fak
	ck Construction at Portal AA2 by	y Crane (14 nos), Bridge	Deck Construction at Porta	al AA2 by Crane (14 nos)	
EA-1030 Bridge Deck Construction at Plan AA3 by Typical Lifting Frame (16 13 0 04-Mar-16A 18-Mar-16A					
nos) EA-1040 Bridge Deck Construction at PierAA4 by Typical Lifting Frame (16 8 0 224Mer-16A 02-Apr-16A Bridge Deck Construction at PierAA4 by Typical Lifting Frame (16 8 0 224Mer-16A 02-Apr-16A					
nos) EA-1050 Bridge Deck Construction at PierAA5 by Typical Lifting Frame (12 22 0 0 66-Jul-16A 30-Jul-16A 30-Jul-16A	rame (12 nos)				
	lge Deck Construction at PierA	A6 by Typical Lifting Fram	ne (22 nos)		
	v Tvoical Lifting Frame (14 nos)				
	at Pier AA8 by Typical Lifting Fi	rame (16 nos)			
	er A49 by Typical Lifting Frame ((13 nos)			
EA-1100 Bidge Dext Construction at PlerAA10 by Typical Litting Frame (22 14 0 22-Sep-16A 08-Oct-16A 408-Oct-16A 40	ypical Lifting Frame (22 nos)				
EA-1110 Bridge Deck Construction at PerAA11 by Typical Lifting Frame (18 13 0 0 4-Aug-16A 18-Aug-16A 18-Aug-18	ing Frame (18 nos)				
EA 1120 Broige Deak Construction at PerAA12 by Typical Lifting Frame (16 10 0 11-Jun-16A 22-Jun-16A	e (16 nos)				
EA 1130A Bridge Deck Construction at PerAA13 by Typical Lifting Frame (18 10 0 14 Nov-15A 25 Nov-15A					
EA-1130B Bidge Deck Construction at PerA13 by Typical Lifting Frame 2 0 11-Dec-15A 12-Dec-15A (within KTRC protection zone) (4 no	4 nos)				
EA-1100 Biology Deck Construction Per AA14 by Typical Lifting Fame (16 11 0 31-Aug-15A 11-Sep-15A					
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nos) EA 1170 Bridge Deck Construction at PierAA17 by Tipical Lifting Frame (14 7 0 28-Dec15A 05-Jan-16A Bidge Deck Construction at PierAA17/by Tipical Lifting Frame (14 nds)					
	iction at Pier AA18 bly Typical Lif	ting Frame (24 post			
nosi Bridge B 407 47 11-Dec15A 16-Jun-17					
	of Segment AB1U0, Erection of				
Falsework & Crane (11 nos)	e Deck Construction at Abutmer	nt AB1 (End-span) by Fal	sework & Grane (11 nos)		
	truction at Pier AB2 by Crane (2	20 nds)			
nos)	AB3 by Typical Lifting Frame (2	22 nds)			
EB-1040 Bridge Deck Construction at PierAB4 by Typical Lifting Frame (22 33 0 03-Mar-17A 20-Apr-17A 20-Apr-17A 20-Apr-17A	sk Construction at Piler ABI4 by T	lypical Lifting Frame (22 r	tos)		
EB-1050 Bridge Deck Construction at PierAB5 by Typical Lifting Firame (16 24 0 09-Apr-16A 07-May-16A 07-May-16A 07-May-16A 07-May-16A					
EB-1060 Bidge Deck Construction at Portal AB6 by Tipical Lifting Frame (24 6 0 17, Jan-17A 04-Feb-17A nos)	on at Portal AB6 by Typical Liftin	ig Frame (24 nos)			
EB-1070 Bridge Deck Construction at PierAB7 by Crane (26 nos) 38 0 29-Feb-16A 16-Apr-16A					
EB-1080 Bridge Deck Construction at Pontal AB8 by Special Lifting Frame & 35 0 11-Dec-15.A 23-Jan-16.A					
Actual Work CEDD Contract No. CV/2012/09		Date		Checked	
Remaining Work	ŀ	07-Mar-17	Draft	Sam Lam	David Tung
Summary Bar Liantang / Heung Yuen Wai BCP - Site Formation & Infrast	tructure				
Works Contract 3					
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD. Milestone Updated Master Works Programme (Revision UMP05	5B)				
Actual Level of Effort					
Programme ID: UMP05B (Data Date: 20-Apr-17)Print Date: 13	13-May-17				
Programme ID: UMP05B (Data Date: 20-Apr-17)Print Date: 13 Page 33 of 40	13-1VIAY-17				
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Activity ID	Activity Name	OD RD	Start	Finish				2014 Jan Jul Aug (Sep I Oct Nov/Dec Jan F Mar/ Apr (May Jun Jul / Aug (Sep I Oct Nov/Dec Jan / Feb (Mar/ Apr (May Jun Jul / Aug (Sep I Oct Nov/Dec Jan / Feb							-		2047			-		2010				20	19						
EB-1090	Bridge Deck Construction at Pier AB9 by Crane (36 nos)	22 0	0 18-Jul-16 A	11-Aug-16 A	Aug Sep Oct Nov	v Dec Jan F	Mar Apr May	Jun Jul Aug	Sep Oct No	ov Dec Jan	F Mar Apr M	lay Jun Jul	Aug Sep (Oct Nov D	ec Jan Feb	Mar Apr M	ay Jun Jul		Oct Nov Dec Deck Constru			2017 May Jun Jul ane (36 nps)	Aug Sep	Oct Nov De	c Jan Feb	Mar Apr N	Vay Jun Ju	Aug Sep	Oct Nov D	ec Jan F I	20 Mar Apr Ma	y Jun Jul 7	ug Sep
EB-1100	Bridge Deck Construction at Pier AB10 by Special Lifting Frame (54			12-Aug-16 A															Deck Constru			pecial Lifting	Frame (54	nos in which 1	3 nos ahove	MTR Rain	vav)						
EB-1110	bridge Deck Construction at Pier AB10 by Special Lifting Frame (Se nos in which 13 nos above MTR Railway) Bridge Deck Construction at Pier AB11 by Special Lifting Frame (52			02-Mar-17 A															Deck Constru								in which 20	nøsabøve M	TP Pailure				
	nos in which 20 nos above MTR Railway)																	IIT			Diuge Di					ine oz nos	- In which 20	nos above m	rix Kainway)				
EB-1120A	Erection of Segment AB12WU0 & diaphragm construction	15 15		23-May-17																				AB12WU0 8		construction							
EB-1120B	Erection of Segment AB12EU0 & diaphragm construction	14 14		09-Jun-17																				ent AB12EU0									
EB-1120C	Bridge Deck Construction at Abutment AB12W (End-sp an) by Falsework & Crane (6 nos)	5 5		29-May-17																		Bridge I	Deck Constr	uction at Abu				vork & Cranel					
EB-1120D	Bridge Deck Construction at Abutment AB12E (Endspan) by Falsework & Crane (6 nos)	5 5	5 12-Jun-17	16-Jun-17																		Bridge	e Deck Co	nstruction at A	butment AB	12E End-sp	pan) by Fals	ework & Cran	e (6 nos)				
Bridge C		492 0	0 11-May-15 A	31-Dec-16 A																													
EC-1010A	Erection of Segment AC1U0	27 0	0 17-Oct-16 A	29-Nov-16 A															Er	ection of Seg	ment AC 1	IUO											
EC-1010C	Bridge Deck Construction at Abutment AC1 (End-span) by Falsework & Crane (16 nos)	8 0	0 24-Dec-16 A	31-Dec-16 A																Bridge De	eck Constr	uction at Abu		Endispan) by	Falsework8	Crane (16	nos)						
EC-1020	Bridge Deck Construction at Pier AC2 by Typical Lifting Frame (22 nos)	13 0	0 12-Oct-16 A	26-Oct-16 A															🔲 Bridge D	Deck Construc	ction at Pi	er AC2 by Typ	xical Litting F	rame (22;nos	s)								
EC-1030	Bridge Deck Construction at Pier AC3 by Typical Lifting Frame (15	10 0	0 20-Aug-16 A	31-Aug-16 A														📕 Brid	lge Bleck Con	struction at Pi	ier AC3 by	Typical Lifting	g Frame (15	nos)									
EC-1040	nos) Bridge Deck Construction at Pier AC4 by Typical Lifting Frame (18	15 0	0 07-Sep-16 A	22-Sep-16 A														-	Bridge Deck (Construction a	at Pier AC4	4 by Typical Li	ifting Frame	(18 nos)									
EC-1050A	nos) Bridge Deck Construction at Pier AC5 by Typical Lifting Frame (16		0 18-May-16 A	04-Jun-16 A													Brdge	Deck Const	truction at Pier	AC5 by Typic	cal Lifting I	Franhe (16 no	s)										
EC-1050B	nos) Bridge Deck Construction at PierAC5 & AC6 (unbalanced	9 0	0 25-Jun-16 A	06-Jul-16 A	-												Bd	dae Deck	Construction a	at PierAC5 &	ACI6 (unb	alaniced segm	nents)by Typ	ical Lifting Fra	me (8 nos)								
EC-1060	segments)by Typical Lifting Frame (8 nos) Bridge Deck Construction at Pier AC6 by Typical Lifting Frame (10			23-Sep-15 A										Bridge Derd	Construction	at Pier Are	. T. I																
EC-1000	nos)			03-Jul-15 A											at PierAC7 by																		
	Bridge Deck Construction at Pier AC7 by Typical Lifting Frame (14 nos)																	1001	MIRC														
EC-1070B	Bridge Deck Construction at Pier AC7 by Typical Lifting Frame (within MTRC protection zone) (10 nos)		0 14-Aug-15 A	20-Aug-15 A											truction at Pie			rame (within	n MTRC prote	ction zone) (1	iu nos												
EC-1080A	Bridge Deck Construction at Pier AC8 by Typical Lifting Frame (12 nos)			22-May-15 A										11	AC8 by Typics																		
EC-1080B	Bridge Deck Construction at Pier AC8 by Typical Lifting Frame (within MTRC protection zone) (6 nos)	16 0	0 08-Jul-15 A	25-Jul-15 A								-	Bridge Dec	ck Construc	ion at PlerAC	8 by Typical	Lifting Frame	i (within M	RC protection	n zone)î (6 nos	3)												
EC-1090	Bridge Deck Construction at PierAC9 by Crane (18 nos)	9 0	0 15-Dec-15 A	24-Dec-15 A											Bridge De	ck Construc	tion at PierAC	29 by:Crane	e (18 nos)														
EC-1100	Bridge Deck Construction at Pier AC10 by Typical Lifting Frame (10 nos)	0 7 0	0 22-Jan-16 A	29-Jan-16 A											Brid	ge Deck Ço	nstruction at	Pier AC10 p	oy Typical Liftir	ng Frame (10	nos)												
EC-1110	Bridge Deck Construction at Portal (AC11/AD8) by Crane (12 nos)	7 0	0 19-Dec-16 A	28-Dec-16 A					■ Bridge Deck Construction at Ponta									(AC11/AD	8) by Crane (12 nos)													
Bridge D		598 169	9 20-Oct-15 A	10-Nov-17																													
ED-1010A	Erection of Segment AD1U0	27 0	0 19-Nov-16 A	16-Dec-16 A					🚔 Erection of SegmentμΟ1ψ0																								
ED-1010B	Bridge Deck Construction at Abutment AD1 (End-span) by	12 0	0 13-Mar-17 A	16-Mar-17 A	+								+++							+	Bridge	Deck Constru	uction at Abu	utment AD1 (E	nd span) by	Falsework	& Crane (13	ntos)					
ED-1030	Falsework & Crane (13 nos) Bridge Deck Construction at Portal AD3 by Crane (12 nos)	6 0	0 05-Dec-16 A	14-Dec-16 A																Bridge Deck	Construct	ion at Portal A	AD3 by Cran	ie (12 nos)									
ED-1040	Bridge Deck Construction at Pier AD4 by Typical Lifting Frame (14	15 0	0 02-Jan-16 A	19-Jan-16 A											Brida	Deck Cen	struction at Pi	er AD4 bv T	Typical Lifting F	Frame (14 no:													
ED-1050	nos)			05-Nov-15 A										Bér					Frame (12 no														
ED-1050	nos)			24-Dec-15 A										В																			
	Bridge Deck Construction at Pier AD6 by Typical Lifting Frame (12 nos)				 								ļļļ		Bildge De	ck Construct			al Lifting Fram														
ED-1060B	Bridge Deck Construction at Pier AD6 by Typical Lifting Frame; remaining segments (6 nos)	3 0		17-Mar-16 A															r AD6 by Typic														
ED-1070	Bridge Deck Construction at Pier AD7 by Typical Lifting Frame (incl. AA14 unbalanced segment 1no.) (27 nos)			25-Feb-16 A												Bridge Dec	k Construction	n at PierAD	07 by Typical L	utting Frame (segment 1n	io.) (27 nos)									
ED-1080	Bridge Deck Construction at Portal (AD8/AC11) by Crane (14 nos)	8 0	0 05-Jan-17 A	18-Jan-17 A																Bridge	Deck Cor	nstruction at P	Pertal (AD8/A	AC11) by Crar	ne (14 nos)								
ED-1090	Bridge Deck Construction at Portal AD9 by Crane (incl. AB8 unbalanced segments 2 nos) (16 nos)	29 0	0 31-Aug-16 A	19-Sep-16 A															Bridge Deck C	Construction a	it Portal AL	09 by Crane ((ihcl. AB8 un	balah cedise g	ments 2 no	s) (16 nos)							
ED-1100	Bridge Deck Construction at Portal AD10 by Crane (52 nos)	25 0	0 09-May-16 A	07-Jun-16 A													Bidge	Deck Cons	truction at Por	tal AD10 by C	Crane (92	nos)											
ED-1110	Bridge Deck Construction at Portal AD11 by Special Lifting Frame (54 nos in which 12 nos above MTR Railway)	65 65	5 14-Jul-17	27-Sep-17																				Bridge Dieck	Constructio	n at PortatA	AD11 by Spe	cial Lifting Fr	ame (54 nos	inwhich 12 h	osabove/MT	R R ailway)	
ED-1120	Bridge Deck Construction at Pier AD12 by Special Lifting Frame (50 nos in which 21 nos above MTR Railway)	79 62	2 09-Mar-17 A	05-Jul-17																		•	indge Deck (Construction	at Pier AD 12	by Special I	Lifting Fram	e (50 nos in v	hich 21 nos	above MTR F	Railway), Brid	je Deck Con	truction a
ED-1130	Bridge Deck Construction at Pier AD13 by Crane (12 nos)	14 14	4 24-Aug-17	08-Sep-17																			📮 в	idge Deck Co	instruction a	t PierAD1B	by Crane (1	2 nos)					
ED-1140A	Erection of Segment AD14WU0 & diaphragm construction	15 15	5 10-Jun-17	27-Jun-17																		En	ection of Sec	gment AD14V	VVO & diapl	iragni conisti	truction						
ED-1140B	Erection of Segment AD14EU0 & diaphragm construction	15 15		15-Jul-17																			Erection of		I4EU0 & dia		nstruction						
			T		Actua	al Work							CED	D D	ontra	act I	No. C	CV/2	2012/	09						Date		Revisior	1 (Checked		Approve	
						aining W	ork							-					-						07-N	/lar-17	' Dra	ft	Sa	ım Lam	Da	vid Tun	g
						-			Lian	tang	/ Heu	' na	Yuer	n Wa	ai BC	P -	Site	For	matio	on &	Inf	rastr	uctu	ure									
						mary Bar									lorks																		
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Activity ID	Activity Name	OD RD	Start	Finish			201			20	15			2016			2017			2018		2019	
KS-D-1040	Erection AD4K5 and stitching works	14 0	31-May-16 A	28-Jun-16 A	Aug Sep Oct Nov	Dec Jan F Ma	ar Apr May Jun J	ul Aug Sep Oct Nov	Dec Jan F Ma	ar Apr May Jun	Jul Aug Sep Od	Nov Dec Jan	Feb Mar Apr May		ap Oct Nov 04K5 and stit		ar Apr May Jun Ju	ul Aug Sep Oct Nov De	c Jan Feb Mar Apr May	Jun Jul Aug Sep Oct	Nov Dec Jan F Mar	Apr May Ju	in Jul Aug Sej
KS-D-1050	Erection AD5K6 and stitching works	14 0	11-Jul-16 A	27-Jul-16 A										Erectio	on AD5K6 ar	d stitching works							
KS-D-1060	Erection AD6K7 and stitching works	14 0	01-Aug-16 A	18-Aug-16 A										🗖 Ere	ection AD6K	7 and stitching works	s						
KS-D-1070	Erection AD7K8 and stitching works	14 0	20-Jan-17 A	04-Feb-17 A												Electic	ion AD7K8 and stitch	ning works					
KS-D-1080	Erection AD8WK9 and stitching works	14 0	10-Feb-17 A	20-Feb-17 A												Ere	ection AD8WK9 and	stitching works					
Key Segment Erecti	on and Stitch Casting (Narrow-box Section)	298 243	09-Aug-16 A	08-Feb-18																			
KD-B-2000	Construction of longitudinal stitch at Bridge B2	49 49	13-Jul-17	07-Sep-17														Construction of	longitudinal stitch at Bridge	B2			
KD-D-2000	Construction of longitudinal stitch at Bridge D3	49 49	11-Dec-17	08-Feb-18															Construction of I	ngitudinal stitch at Bridge	D3		
KS-B-1070A	Erection AB7WK8 and stitching works	12 0	12-Dec-16 A	21-Dec-16 A												Erection AB7V	WK8 and stitching w	vorks					
KS-B-1070B	Erection AB7EK8 and stitching works	12 0		25-Nov-16 A												Erection AB7EK8 a	and stitching works						
KS-B-1080A	Erection AB8WK9 and stitching works	12 0		15-Oct-16A												ibn AB8WK/9 and sti							
KS-B-1080B	Erection AB8EK9 and stitching works	12 0		03-Oct-16A												n AB8EK9 and stitch							
KS-B-1090A	Erection AB9WK10 and stitching works	12 0		10-Feb-17 A												Erect		stilching works					
KS-B-1090B	Erection AB9EK10 and stitching works	12 0		12-Jan-17 A													AB9EK10 and stitchir						
			-													Election A							
KS-B-1100A	Stitching Works between AB10W and AB11W	25 11		04-May-17	ļ	ļļ										ļļ	Stitching W		d AB11W, Stitching Works b				
KS-B-1100B	Stitching Works between AB10E and AB11E	21 21		29-May-17														ing Works between AB10E					
KS-B-1110A	Stitching Works between AB11W and AB12W End Span & stressing tendon	14 14		15-Jun-17															1W and AB12W End Span				
KS-B-1110B	Stitching Works between AB11E and AB12E End Span & stressing tendon		17-Jun-17	04-Jul-17														Stitching Works between A	B11E and AB12E End Spa	& stressing tendon			
KS-D-1090A	Erection AD9WK10-2 and stitching works	12 0	03-Nov-16 A	11-Nov-16 A													-2 and stitching works	8					
KS-D-1090B	Erection AD9EK10-2 and stitching works	12 0	18-Oct-16 A	26-Oct-16 A											Ere	ction AD9EK10-2 an	nd stitching works						
KS-D-1100A	Erection AD10WK11 and stitching works	14 14	25-Oct-17	10-Nov-17														📛 Erec	tion AD10WK11 and stitchin	g works			
KS-D-1100B	Erection AD10EK11 and stitching works	14 14	23-Sep-17	11-Oct-17														📕 Erection A	D10EH11 and stitching wor	s			
KS-D-1110A	Stitching Works between AD11W and AD12W	21 21	28-Sep-17	24-Oct-17														📕 Stitchin	g Works between AD 11 W a	nd AD12W			
KS-D-1110B	Stitching Works between AD11E and AD12E	21 21	30-Aug-17	22-Sep-17														Stitching Wo	rks between AD11E and AD	12E			
KS-D-1120A	Stitching Works between AD12W and AD13W	14 14	25-Oct-17	10-Nov-17														💻 Stitc	hing Works between AD12V	/ and AD13W			
KS-D-1120B	Stitching Works between AD12E and AD13E	14 14	23-Sep-17	11-Oct-17														Stitching	Works between AD12E and	AD13E			
KS-D-1130A	Stitching Works between AD13W and AD14W End Span	16 16	11-Nov-17	29-Nov-17														💻 s	titching Works between AD	3W and AD14W End Sp	an		
KS-D-1130B	Stitching Works between AD13E and AD14E End Span	16 16	12-Oct-17	31-Oct-17														💻 Stijchi	ng Works between AD13E i	nd AD14E End Span			
Major Works on Dec	i Surfaces	363 324	12-Dec-16 A	28-May-18																			
Permanent External	Tendon Stressing Works	233 191	12-Dec-16 A	09-Dec-17																			
PP-A-1010	Permanent Prestressing for Bridge A (AA1-AA5)	7 7	19-Jun-17	26-Jun-17												++	E Pi	ermanent Prestressing for	Bidge A (AA1-AA5)				
PP-A-1020	Permanent Prestressing for Bridge A (AA5-AA9)	7 7	28-Jun-17	06-Jul-17														Permanent Prestressing fo	or Bridge A (AA5-AA9)				
PP-A-1030	Permanent Prestressing for Bridge A (AA9-AA1 3)	7 7	22-May-17	29-May-17													🛛 Perma	anent Plestressing for Bridg	je A (A.A9-AA13)				
PP-A-1040	Permanent Prestressing for Bridge A (AA13-AA18)	10 10	24-Apr-17*	06-May-17													📮 Permanen	nt Prestressing for Bridge A	(4A13-#A18)				
PP-A-1050	Permanent Prestressing for Bridge A (AA18-AB10E)	9 9	13-Jun-17	22-Jun-17													D Pe	ermanent Prestressing for f	Bridge A (AA18-AB10E)				
PP-A-1060	Permanent Prestressing for Bridge A (AB10E-AB12E)	7 7	05-Jul-17	12-Jul-17	┣┝													Permanent Prestressing I	or Bridge A (AB10 E AB12 E			+	
PP-B-1010	Permanent Prestressing for Bridge B (AB1-AB6)	9 9		19-Jun-17													E Pe	ermanent Prestressing for E					
PP-B-1020	Permanent Prestressing for Bridge B (AB6-AB10W)	9 9	31-May-17	09-Jun-17													Perm	nanent Prestressing for Bri	dge B (AB6-AB10W)				
PP-B-1030	Permanent Prestressing for Bridge B (AB10W-AB12W)	7 7	16-Jun-17	23-Jun-17													D Pe		Bridge & (AB10W AB12W)				
PP-C-1010	Permanent Prestressing for Bridge C (AC1-AC5)	14 14		25-May-17														neht Prestressing for Bildg					
					Actua	l Work					CEDI) Con	tract N	o. CV/	201	2/09			Date		Checked		
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Activity ID	Activity Name	OD RD	Start	Finish	2014	1 2014 2015 2017 2018 2019
PP-C-1020	Permanent Prestressing for Bridge C (AC5-AC8)	30 0	12-Dec-16 A	27-Jan-17 A	Aug Sep Oct Nov Dec Jan F Mar Apr May Jun Jul	Aug/Sep/Oct [Nov/Dec Jan F Mar/Apr May/Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Mar/ Apr May Jun Jul Aug/Sep Oct Nov/Dec Jan Feb/Ma
PP-C-1030	Permanent Prestressing for Bridge C (AC8-AC11)	17 0		08-Apr-17 A		Permapent Prestpessing for Bidge C (AC8+AC11)
PP-C-1040	Permanent Prestressing for Bridge C (AC11-AD14E)	10 10		11-Nov-17		Permanent/Progressing to/ Bodge C (AC14-0) 4E)
		10 10				
PP-D-1010	Permanent Prestressing for Bridge D (AD1-AD5)	/ /	11-May-17	18-May-17		D Permisnent Preditersalng tid Bridge D (AD1-AD5)
PP-D-1020	Permanent Prestressing for Bridge D (AD5-AD8W)	21 0	13-Feb-17 A	06-Apr-17 A		Pérmarjant Prestessing für Bridga D (ÅD5+AD8V)
PP-D-1030	Permanent Prestressing for Bridge D (AD8W-AD14W)	9 9		09-Dec-17		Plumajent Prestisanjo to 2604 ACI 4440
Parapet Installation		274 274	22-Feb-17 A	23-Mar-18		
Bridge A		156 156	17-May-17	20-Nov-17		
PI-A-1010L	Parapet Installation, Profile Barrier for Bridge A (AA1-AA5), LHS	78 78	06-Jul-17	06-Oct-17		Pinongi traditatidin. Pinite Barniero Bridge A Arkit-Arke, Let S
PI-A-1010R	Parapet Installation, Profile Barrier & Planter for Bridge A (AA1-AA5), RHS	68 68	06-Jul-17	22-Sep-17		Perséet tiseableion, Profile Banner & Proviner Ng Morigan AJAAT (Artis)
PI-A-1020L	Parapet Installation, Profile Barrier & Planter for Bidge A (AA5-AA9), LHS	99 99	25-Jul-17	20-Nov-17		
PI-A-1020R	Parapet Installation, Profile Barrier & Planter for Bridge A (AA5-AA9), RHS	92 92	25-Jul-17	11-Nov-17		Panoph Instantion, Moning Barring & Panoph Instantion, Moning Barring & Panoph Instantion, Moning Barring & Panoph Instantion,
PI-A-1030L	Parapet Installation, Profile Barrier & Planter for Bridge A (AA9-AA13), LHS	83 83	08-Jun-17	13-Sep-17		Parapet Instantino, Perine Barrier & Parapet Ins
PI-A-1030R	Parapet Installation, Profile Barrier & Planter for Bridge A	87 87	08-Jun-17	18-Sep-17		Parajet tristalianon, Profile Banter & Planter for Bandge A (AAS-AAT3), RHS
PI-A-1040L	(AA9-AA13), RHS Parapet Installation, Profile Barrier & Planter for Bridge A	98 98	17-May-17	09-Sep-17		Parapet Instalation, PhoteBarner & Planter for Bodge A (AV1 3A11 8), LHS
PI-A-1040R	(AA13-AA18), LHS Parapet Installation, Profile Barrier & Planter for Bridge A	110 110	17-May-17	23-Sep-17		Praget fistalijktor, Profile Barline & Praget fistalijkto
PI-A-1050L	(AA13-AA18), RHS Parapet Installation, Profile Barrier for Bridge A (AA18-AB10E), LH			08-Sep-17		Pscoęt trobatalyn, Protie Bamer for Bridge A (#A18-/B10(#), LHS
PI-A-1050R	Parapet Installation, Profile Barrier for Bridge A (AA18-AB10E), RH		03-Jul-17	20-Jul-17		Paravet transition, Pools Barler Mr Bodge A(AA18-AB)(C), PHS
PI-A-1060R	Parapet Installation, Profile Barrier & Planter for Bridge A	83 83		27-Oct-17		Preset Instalation, Public Barrier & Partner for Bridge A (AB10E-AB12/LIRHS emaining
PI-A-1060R	(AB10E-AB12E), RHS remaining Parapet Installation for Bridge A (AB10E-AB12E), RHS above	31 31		27-00-17 25-Aug-17		Papeter Instalation for Bidos Al Abito SA9 2E in H5 stovel MTRC selvery
	MTRC railway			-		
Bridge B		112 112	19-Jun-17	31-Oct-17		
PI-B-1010L	Parapet Installation, Profile Barrier for Bridge B (AB1-AB6), LHS	103 103		31-Oct-17		Perpet Instalation, Profile Barriellor Bitagel (AB1-AB), LHS
PI-B-1010R	Parapet Installation, Profile Barrier & Planter for Bridge B (AB1-AB6), RHS	103 103	29-Jun-17	31-Oct-17		Peipsort/hashutok, Pedite Serend & Pagnar hashutok, Pedite Se
PI-B-1020L	Parapet Installation, Profile Barrier for Bridge B (AB6-AB10W), LH	S 100 100	19-Jun-17	16-Oct-17		Pangiet Instantion, Polité Barler to: Broge B 3ABG/ABT(MV), LHS
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PI-B-1030L	Parapet Installation, Profile Barrier & Planter for Bridge B (AB10W-AB12W), LHS remaining	70 70	04-Jul-17	22-Sep-17		
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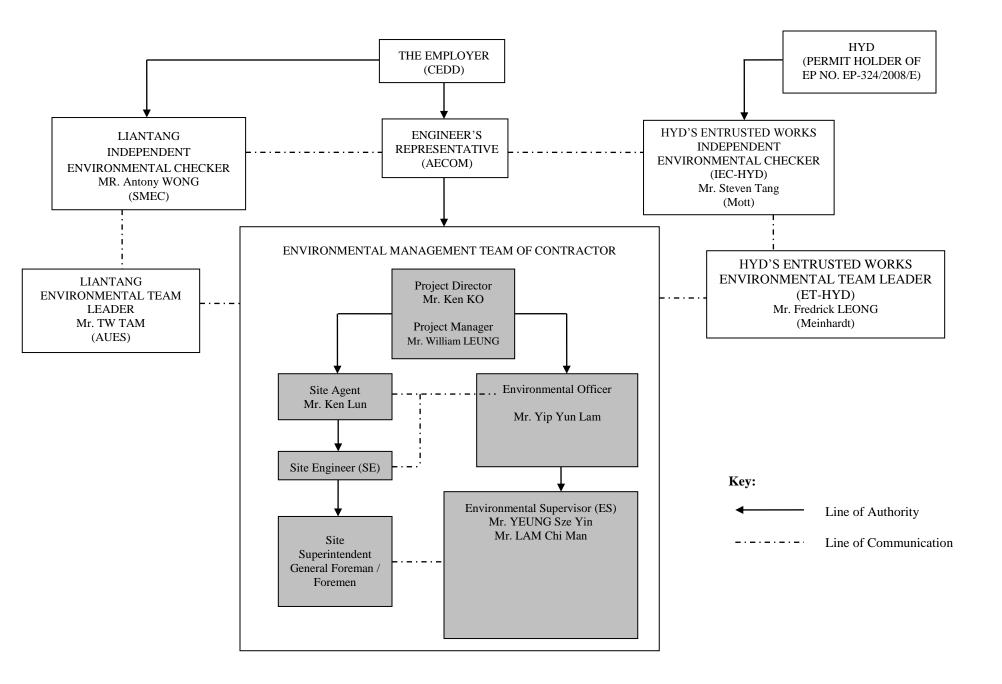


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Activity ID	Activity Name	OD RD Start	Finish	2014	2015 2016 2017 Sep Oct Nov[Dec_Jan F Mar] Apr May] Jun Jul Aug Sep Oct Nov[Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov[Dec_Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov[Dec]Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr May] Jun Jul Aug Sep Oct Nov] Dec Jan Feb Mar] Apr Mar] Apr	c Ian Feb Mari Anri Ma	2018 (Jun Jul Jun Sen Oct	NoviDec Ian E Mari	2019 AprilMay Jun Jul Aug Sen
S7-5070	Testing & Submission of Laboratory Test Report (Drilhole No. VDH5)	35 0 08-May-14 A	28-Jul-14 A				un our rug sep Oct		may our our rug aep
\$7-5080	Testing & Submission of Laboratory Test Report (Drilhole No. VDH6)	35 0 11-Jan-14 A	28-Jul-14 A	т	sting & Submission of Laboratory Test Report (Drittinole No; VDH)6)				
\$7-5090	Testing & Submission of Laboratory Test Report (Drilhole No. VDH7)	35 0 06-Dec-13 A	28-Jul-14 A	•	sing 4 Submission of Laboratory Test Respont (Dillhole No; VDH7)				
\$7-5100	Testing & Submission of Laboratory Test Report (Drillhole No. VDH8)	35 0 14-Mar-14 A	28-Jul-14 A		sting & Submission of Laboratory Test Report (Delhole No: VDH8)				
\$7-5110	Testing & Submission of Laboratory Test Report (Drilhole No. VDH9)	35 0 07-Mar-14 A	28-Jul-14 A		sting & Sutemission of Laboratory Test Report (Dathole No; VDH9)				
\$7-5120	Testing & Submission of Laboratory Test Report (Drillhole No. VDH10)	35 0 21-Feb-14 A	28-Jul-14 A		sing & Sutmission of Laboratory Test Report (Dillhole No; VDH10)				
\$7-5130	Final Field Work Report for A-ATP71 to A-ATP74	90 0 06-Dec-13 A	14-Apr-14A	Final Field Work R	pt fo/A4TP710 A4TP74				
				Actual Work	CEDD Contract No. CV/2012/09	Date	Revision	Checked	Approved
				Actual Work		07-Mar-17	Draft	SamLam	David Tung
				Remaining Work	Lientenn (Heine Wein DOD - Oite Fermetian O hafes traction			Jameann	Savia lung
				Summary Bar	Liantang / Heung Yuen Wai BCP - Site Formation & Infrastructure			+	
	炎和建築工程有限	公司		Critical Remaining Work	Works, Contract 3		+		
	とう。 Chun Wo Construction & Engine	EERING CO., LTD.		 Milestone Actual Level of Effort 	Updated Master Works Programme (Revision UMP05B)				
					Programme ID: UMP05B (Data Date: 20-Apr-17)Print Date: 13-May-17 Page 40 of 40				



Appendix B Project Organization Structure





Appendix C Implementation Schedule of Environmental Mitigation Measures (EMIS)



Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
• Restricting heights from which materials are dropped, as far as practicable to minimize the fugitive dust arising from unloading/loading.	During Construction	Contractor	✓
• All stockpiles of excavated materials or spoil of more than 50m ³ shall be enclosed, covered or dampened during dry or windy conditions.			\checkmark
• Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas.			✓
 All spraying of materials and surfaces shall avoid excessive water usage. 			~
• Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards.			~
 Materials shall be dampened, if necessary, before transportation. 			✓
• Travelling speeds shall be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks.			\checkmark
• Vehicle washing facilities shall be provided to minimise the quantity of material deposited on public roads.			✓
Not required	N/A	N/A	N/A
• Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant.	During Construction	Contractor	✓
 Reduce the number of equipment and their percentage on-time. 			\checkmark
Not required	N/A	N/A	N/A
	•		
Road Widening Works, Earthworks and Culvert Extension Works	During Construction	Contractor	
• Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul sewers, after the removal of settable solids, and pH adjustment as necessary. All sewage discharges from the study area should meet the TM standards and approval from EPD through the licensing process is required.			Rem.
• Sand traps, oil interceptors and other pollution prevention installations should be provided, properly cleaned and maintained.			~
	 Restricting heights from which materials are dropped, as far as practicable to minimize the fugitive dust arising from unloading/loading. All stockpiles of excavated materials or spoil of more than 50m³ shall be enclosed, covered or dampened during dry or windy conditions. Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas. All spraying of materials and surfaces shall avoid excessive water usage. Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards. Materials shall be dampened, if necessary, before transportation. Travelling speeds shall be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks. Vehicle washing facilities shall be provided to minimise the quantity of material deposited on public roads. Not required Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant. Reduce the number of equipment and their percentage on-time. Not required Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul sewers, after the removal of settable solids, and pH adjustment as necessary. All sewage discharges from the study area should meet the TM standards and approval from EPD through the licensing process is required. 	• Restricting heights from which materials are dropped, as far as practicable to minimize the fugitive dust arising from unloading/loading. During Construction • All stockpiles of excavated materials or spoil of more than 50m ³ shall be enclosed, covered or dampened during dry or windy conditions. During Construction • Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas. During Construction • All spraying of materials and surfaces shall avoid excessive water usage. • Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards. Materials shall be dampened, if necessary, before transportation. • Travelling speeds shall be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks. N/A • Vehicle washing facilities shall be provided to minimise the quantity of material deposited on public roads. N/A • Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant. During Construction • Reduce the number of equipment and their percentage on-time. N/A Not required N/A • Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul swers, after the removal of settable solids, and pH adjustment as necessary. All sewage discharges from the study area should meet the TM standards and app	Restricting heights from which materials are dropped, as far as practicable to minimize the fugitive dust arising from unloading/loading. All stockpiles of excavated materials or spoil of more than 50m ³ shall be enclosed, covered or dampened during dry or windy conditions. Effective water sprays shall be used to control potential dust emission sources such as unpaved haul roads and active construction areas. All spraying of materials and surfaces shall avoid excessive water usage. Vehicles that have the potential to create dust while transporting materials shall be covered, with the cover properly secured and extended over the edges of the side and tail boards. Materials shall be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks. Vehicle washing facilities shall be provided to minimise the quantity of material deposited on public roads. Not required NVA NVA NVA Use of silenced plant or plant equipped with mufflers or dampers in substitute of ordinary plant. Reduce the number of equipment and their percentage on-time. Nva NVA NVA Road Widening Works, Earthworks and Culvert Extension Works Wastewater generated from any concrete batching washdown of equipment or similar activities should be discharged into foul sewers, after the removal of settable solids, and pH adjustment as necessary. All sewage discharges from the study area should meet the TM standards and approval from EPD through the licensing process is required.

Notes ([#]): ✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable



Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	• Runoff from exposed working areas, unfinished slopes and from unlined temporary channels should be directed to stilling basins and/or silt traps before discharging to the drainage outfalls.			~
	• Regular inspections of stilling basins and/or silt traps is required to ensure that sediment is not conveyed into the existing drainage system.			✓
	Open stockpiles should be covered with a tarpaulin cover.			✓
	• During the wet season, any exposed top soils should be covered with a tarpaulin, shotcreted or hydroseeded.			✓
	• Sand and silt from wash-water from vehicle washing should be settled out before discharging into storm drains.			✓
	• Fuels should be stored in bunded areas such that spillage can be easily collected.			✓
Water Quality during Operation	Not required	N/A	N/A	N/A
Waste Management				
Waste Management during Construction	 <u>General Waste</u> Transport of wastes off site as soon as possible. 	During Construction	Contractor	*
	Maintenance of accurate waste records.			✓
	Minimisation of waste generation for disposal (via reduction/recycling/re-use).			~
	No on-site burning will be permitted.			✓
	Use of re-useable metal hoardings/signboards.			✓
	Vegetation from site clearance	During Construction	Contractor	
	 Segregation of materials to facilitate disposal. 			✓
	• Mulching to reduce bulk and where possible review opportunities for the possible beneficial use within landscaping areas.			✓
	Demolition Wastes	During Construction	Contractor	
	 Segregation of materials to facilitate disposal. 			✓
	Appropriate stockpile management.			✓



Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	Excavated Materials	During Construction	Contractor	
	 Segregation of materials to facilitate disposal / reuse. 			\checkmark
	Appropriate stockpile management.			✓
	Re-use of excavated material on or off site (where possible).			✓
	• Special handling and disposal procedures in the event that contaminated materials are excavated.			N/A
	Construction Wastes	During Construction	Contractor	
	• Segregation of materials to facilitate recycling/reuse (within designated area in appropriate containers/stockpiles).			✓
	Appropriate stockpile management.			✓
	 Planning to reduce over ordering and waste generation. 			✓
	• Recycling and re-use of materials where possible (e.g. metal, wood from formwork)			✓
	• For material which cannot be re-used/recycled, collection should be carried out by an approved waste contractor for landfill disposal.			✓
	Bentonite Slurries	During Construction	Contractor	
	 Bentonite slurries should be reused as far as possible. 			N/A
	• Disposal in accordance with Practice Note For Professional Persons ProPECC PN 1/94.			N/A
	Chemical Wastes	During Construction	Contractor	
	 Storage within locked, covered and bunded area. 			\checkmark
	• The storage area shall not be located adjacent to sensitive receivers e.g. drains.			✓
	Minimise waste production and recycle oils/solvents where possible.			✓
	• A spill response procedure shall be in place and absorption material available for minor spillages.			\checkmark
	Use appropriate and labelled containers.			*

Notes ([#]): ✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable



Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	 Educate site workers on site cleanliness/waste management procedures. 			✓
	• If chemical wastes are to be generated, the contractor must register with EPD as a chemical waste producer.			\checkmark
	• The chemical wastes shall be collected by a licensed chemical waste collector.			\checkmark
	Municipal Wastes	During Construction	Contractor	
	• Waste shall be stored within a temporary refuse collection facility, in appropriate containers prior to collection and disposal.			\checkmark
	 Regular, daily collections are required by an approved waste collector. 			\checkmark
Waste Management during Operation	Not required.	N/A	N/A	N/A
Ecology		1		
Ecology during Construction	Accurate Delineation of Works Area	During Construction	Contractor	
	• Boundaries of proposed works areas shall be clearly identified and separated from external areas by a physical barrier to prevent encroachment of adjacent habitats.			✓
	• Individual trees which fall within the works areas but which work plans show do not require removal are to be retained and fenced off to maximise protection.			✓
	Dust generation	During Construction	Contractor	
	There are a number of measures which shall be taken as specified in the Air Pollution Control (Construction Dust) Regulation on 'Dust Control Requirements, including the following key measures to be applied during construction:			
	 vehicle washing facilities to be provided at every discernible or designated vehicle exit point; 			✓
	 all temporary site access roads shall be sprayed with water to suppress dust as necessary; 			\checkmark
	 all dusty materials should be sprayed with water immediately prior to any handling; and 			✓



Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	• all debris should be covered entirely by impervious sheeting or stored in a sheltered debris collection area.			\checkmark
	Surface Run-off	During Construction	Contractor	
	In general, mitigation measures shall be in accordance with ProPECC PN1/94 on 'Construction Site Drainage'. Key measures include:			
	 Bund and cover stockpiles to avoid run-off; 			\checkmark
	 Channel any run-off through a system of oil, grease and sediment / silt traps and reuse water on site where ever practical; 			\checkmark
	 All vehicle maintenance to be undertaken within a bunded area; and 			\checkmark
	• Maximise vegetation retention on-site to maximise absorption (minimise transport).			✓
Ecology during Operation	• To conduct compensatory ecological planting as specified in the latest landscape plans approved by EPD (Clause 2.6 of the Environmental Permit refers).	During Construction and operation	Contractor (during construction) / LCSD* (during operation) (Note: * The division of vegetation planting and maintenance	N/A
			responsibilities shall follow the guidelines stipulated in ETWB TCW No. 2/2004.)	
Landscape and Visual			,,,	
Landscape and Visual during Construction	Preservation of Existing Vegetation	During Construction	Contractor	
Construction	• Trees identified for retention within the project limit would be protected during the works			1
	• The tree transplanting and planting works shall be implemented by approved Landscape Contractors			×



Impact	Environmental Protection Measures	Timing	Responsibility	Implementation Status [#]
	Temporary Works Areas	During Construction	Contractor	
	• Where feasible the works areas would be screened using hoarding and existing vegetation would be retained where possible to reduce the landscape and visual impacts arising from the construction activity. The landscape of these works areas would be restored following the completion of the construction phase.			✓
	Hoarding	During Construction	Contractor	
	• A hoarding would be erected where practicable in the most visually sensitive locations to screen the temporary construction works from the local VSRs.			\checkmark
	Top Soils	During Construction	Contractor	
	• The works will result in disturbance to extensive areas of topsoil. Topsoil worthy of retention should be stockpiled for use following completion of the civil engineering works. It should either be temporarily vegetated with hydroseeded grass or turned over on a regular basis.			N/A
	Protection of Important Landscape Features	During Construction	Contractor	N/A
	• Important features such as temples, Island House and kilns within the study area, although remote from the proposed works retained and adequately protected.			
Landscape and Visual during Operation	Not required.	N/A	N/A	N/A



Appendix D Meteorological Data Extracted from Hong Kong Observatory

			Но	ng Kong O	bserva	atory			King's Park	Waglan Is	and^
Day	Mean Pressure (hPa)	Air T Absolute Daily Max (deg. C)	empera Mean (deg. C)	ature Absolute Daily Min (deg. C)	Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)	Total Bright Sunshine (hours)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
01	1000.1	27.6	26.4	24.9	25.2	94	94	98.3	0.0	***	***
02	1002.1	28.5	27.0	25.4	25.3	91	88	8.2	1.6	***	***
03	1002.7	27.5	26.7	25.3	25.1	91	88	28.4	0.0	***	***
04	1002.7	30.2	27.9	26.9	24.6	83	87	Trace	1.7	***	***
05	1003.1	34.5	29.7	26.5	25.0	77	34	0.0	11.5	***	***
06	1002.7	32.2	29.8	28.7	25.4	78	65	Trace	2.7	***	***
07	1000.7	33.6	30.1	28.0	23.8	70	43	0.0	8.2	***	***
08	998.5	33.5	30.4	27.7	25.1	74	43	0.0	10.9	***	***
09	997.2	35.1	31.3	28.1	26.2	75	36	0.0	11.0	***	***
10	999.0	33.2	30.6	29.4	27.4	83	83	0.0	4.8	***	***
11	1000.7	32.7	30.4	29.2	26.9	82	85	1.1	7.8	***	***
12	1001.6	34.0	30.8	29.2	27.0	80	78	0.4	8.5	***	***
13	1001.7	33.3	30.8	28.8	26.6	79	67	9.2	10.8	***	***
14	1002.0	33.4	30.0	25.2	26.2	80	70	54.4	7.7	***	***
15	1001.9	32.4	30.0	26.5	25.8	79	69	5.6	8.6	***	***
16	1003.4	32.0	30.0	27.6	26.2	81	82	1.1	3.8	***	***
17	1005.6	30.1	28.0	25.9	25.5	87	87	42.2	3.2	***	***
18	1005.1	31.6	27.8	25.0	25.2	86	84	19.0	4.9	***	***
19	1003.9	31.8	28.8	26.8	25.6	83	81	0.1	4.0	***	***
20	1004.8	31.7	29.1	28.0	25.2	79	74	Trace	7.5	***	***
21	1005.9	32.8	29.5	27.6	24.3	74	74	0.0	9.7	***	***
22	1006.6	33.0	29.7	27.5	25.3	77	62	0.0	9.4	***	***
23	1006.7	31.4	29.4	28.2	25.5	80	65	0.7	3.8	***	***
24	1002.3	33.9	30.9	27.7	25.9	75	56	0.0	10.0	***	***
25	1000.8	32.6	27.2	25.1	25.2	89	95	88.4	0.0	***	***
26	1006.3	28.7	25.7	22.9	24.7	95	81	178.3	1.4	***	***
27	1008.1	31.4	28.6	26.9	26.3	88	57	2.9	4.3	***	***
28	1006.2	33.8	29.9	27.2	25.4	77	72	0.0	10.2	***	***
29	1005.6	30.7	29.0	27.8	25.8	83	80	5.9	4.7	***	***
30	1007.6	30.1	27.7	25.0	25.1	86	83	8.5	3.6	***	***

31

Mean/Total

Normal§

30.3

31.9

31.1

1007.8

1003.3

1005.2

26.9

29.0

28.6

25.0

26.9

26.6

25.3

25.6

25.0

91

82

81

90

73

69

43.7

596.4

432.2

2.3

178.6

188.9

230

19.4

Daily Extract of Meteorological Observations , August 2019

			Но	ng Kong O	bserva	itory			King's Park	Waglan Is	land^
Day	Mean Pressure (hPa)	Absolute	Mean (deg. C)	ature Absolute Daily Min (deg. C)	Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)	Total Bright Sunshine (hours)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
01	1006.5	31.0	28.2	26.2	24.7	82	85	8.5	4.7	***	***
02	1007.0	28.1	26.9	25.2	25.2	90	88	38.4	0.1	***	***
03	1005.6	30.9	28.4	26.2	24.6	80	85	12.9	5.9	***	***
04	1004.0	28.3	26.8	25.5	25.1	91	89	62.2	1.4	***	***
05	1003.1	29.3	27.2	25.4	25.1	88	89	31.8	4.1	***	***
06	1002.5	32.4	28.9	26.8	24.9	79	55	0.2	9.5	***	***
07	1003.6	33.3	29.8	27.5	25.6	79	25	0.4	8.2	•••	***
08	1004.7	33.0	30.0	28.0	26.2	80	31	0.4	9.0	***	***
09	1005.8	33.3	30.0	28.3	25.7	78	47	0.0	4.1	•••	***
10	1008.9	33.3	30.1	28.2	25.2	76	27	0.0	10.5	***	***
11	1011.3	33.3	30.2	28.4	24.6	73	38	Trace	10.0	***	***
12	1009.9	33.5	30.3	28.3	24.8	73	44	0.0	9.8	***	***
13	1008.4	33.0	30.1	28.7	25.6	77	64	Trace	6.1	***	***
14	1008.4	32.3	29.8	28.4	25.5	78	69	Trace	4.8	***	***
15	1008.2	32.2	29.2	25.9	24.4	76	51	11.0	5.5	***	***
16	1007.7	32.3	29.3	26.3	24.5	76	73	4.3	7.4	***	***
17	1009.0	31.8	29.2	27.9	24.5	76	80	2.1	4.8	***	***
18	1010.9	32.0	28.8	25.8	24.7	79	79	18.0	5.2	***	***
19	1011.3	32.4	28.0	24.9	22.7	74	54	8.7	10.3	***	***
20	1008.7	32.6	29.0	26.2	17.5	52	9	0.0	11.0	***	***
21	1008.0	32.5	29.2	26.5	14.8	42	2	0.0	11.1	***	***
22	1012.2	31.3	28.3	25.9	13.1	40	7	0.0	11.2	***	***
23	1016.2	30.7	27.7	25.4	18.4	57	41	0.0	8.0	***	***
24	1017.5	30.3	27.5	26.3	21.5	70	59	0.0	7.0	***	***
25	1017.3	30.8	27.3	25.7	21.4	71	32	Trace	5.9	***	***
26	1017.2	30.8	27.5	25.5	21.6	71	43	0.0	7.6	***	***
27	1016.6	30.6	27.6	25.7	21.9	72	46	Trace	5.7	•••	***
28	1015.0	32.2	28.2	25.9	22.2	71	33	0.0	8.6	***	***
29	1012.8	31.7	28.7	26.6	23.7	75	33	0.0	8.8	***	***
30	1008.8	33.4	30.1	27.2	22.0	64	21	0.0	10.0	•••	***
Mean/Total	1009.6	31.8	28.7	26.6	23.1	73	50	198.9	216.3	***	***
Normal§	1008.9	30.1	27.7	25.8	23.4	78	66	327.6	172.3	090	22.6

Daily Extract of Meteorological Observations, September 2019

*** unavailable

^ Information of wind direction and wind speed for Waglan Island are based on automatic weather station data since January 1989

Trace means rainfall less than 0.05 mm

§ 1981-2010 Climatological Normal, unless otherwise specified

			Но	ng Kong O	bserva	atory			King's Park	Waglan is	land*
Day	Mean Pressure (hPa)	Air T Absolute Daily Max (deg. C)	emper Mean (deg. C)	Absolute Dally Min (deg. C)	Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfail (mm)	Total Bright Sunchine (hours)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
01	1009.4	33.2	30.3	28.4	21.2	59	11	0.0	10.7		
02	1011.2	32.1	29.5	27.9	23.7	71	20	0.0	10.6		
03	1012.1	31.8	29.0	27.4	22.3	67	22	0.0	10.5		
04	1012.2	31.3	28.6	26.9	22.4	70	22	0.0	8.0		
05	1012.9	32.3	29.1	26.8	22.7	69	18	0.0	9.9		
06	1014.7	29.1	26.3	23.1	22.8	81	87	46.8	0.2		
07	1015.4	28.3	26.3	23.2	23.7	86	83	17.9	3.2		
08	1015.6	30.4	27.7	25.3	23.6	79	66	4.9	8.4		
09	1014.7	29.8	27.8	26.7	22.9	75	55	Trace	9.0		
10	1013.5	30.3	27.9	26.6	23.3	76	35	0.0	8.4		
11	1011.8	31.1	28.5	26.3	23.5	75	24	0.0	10.1		
12	1011.8	31.5	28.6	27.4	24.4	78	51	0.3	4.8		
13	1014.6	30.8	27.2	24.5	24.2	84	81	13.6	5.0		••••
14	1017.6	28.9	25.8	24.2	23.1	86	80	52.1	2.2		
15	1019.0	29.7	26.0	23.1	20.8	74	56	10.4	8.4		••••
16	1018.3	28.9	25.5	23.2	18.9	67	37	0.0	9.4		
17	1017.2	29.7	26.2	23.9	20.1	70	31	0.0	10.4		••••
18	1016.9	29.0	26.5	24.7	20.3	70	57	Trace	8.3		
19	1017.2	29.6	26.2	24.2	20.7	72	34	0.0	9.0		••••
20	1016.5	28.3	25.4	23.4	20.7	76	42	3.5	7.7		
21	1014.0	28.8	25.3	23.5	19.9	72	35	0.0	8.5		••••
22	1012.2	28.0	25.0	23.4	18.6	68	21	0.0	9.9		
23	1012.2	28.7	25.5	23.5	19.8	71	28	0.0	10.2		
24	1014.9	29.5	26.2	24.5	20.4	71	51	0.0	8.7		
25	1016.7	28.3	25.8	24.3	21.0	75	33	0.0	9.6		
26	1017.0	28.3	25.9	24.7	21.0	75	73	Trace	4.3		
27	1015.3	29.0	25.7	24.0	21.3	76	59	Trace	8.1		
28	1014.7	29.0	25.2	22.4	20.8	77	79	Trace	3.2		
29	1015.7	24.7	22.7	20.3	15.9	65	54	0.0	4.5		
30	1016.7	26.4	24.0	21.5	15.6	60	81	0.0	4.4		
31	1016.2	27.2	24.8	23.2	18.3	68	78	0.0	5.1		
Mean/Total	1014.8	29.5	26.6	24.6	21.2	73	49	149.5	230.7		
Normal [§]	1014.1	27.8	25.5	23.7	20.2	73	58	100.9	193.9	080	27.4

Daily Extract of Meteorological Observations, October 2019

*** unavailable

^ Information of wind direction and wind speed for Waglan Island are based on automatic weather station data since January 1989

Trace means rainfall less than 0.05 mm

§ 1981-2010 Climatological Normal, unless otherwise specified

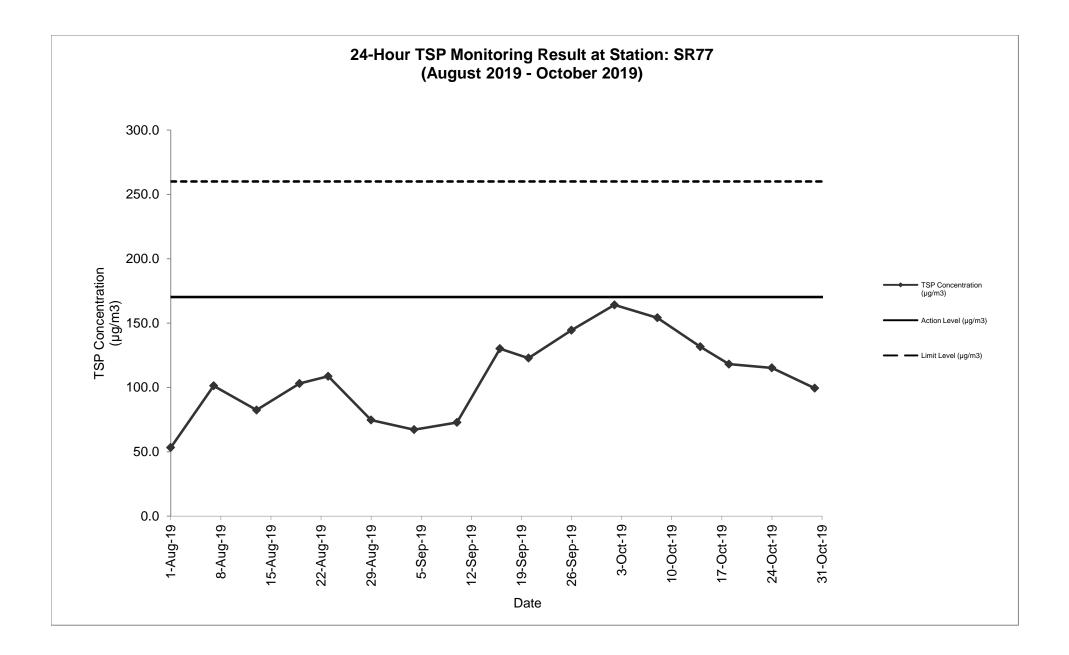


Appendix E Environmental Monitoring Data for Air, Noise and Water Quality

Sampling Weather Date Condition Paper I		Paper No.	Wt. of paper (g)		Elapse Time Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume	TSP Concentratio	Action Level	Limit Level	Wind speed	Wind direction				
Date	Condition		Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate	(m³)	(µg/m³)	(µg/m3)	(µg/m3)	m/s	direction
1-Aug-19	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	53.3	170.3	260.0	<5	N
7-Aug-19	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	101.3	170.3	260.0	<5	N
13-Aug-19	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	82.5	170.3	260.0	<5	N
19-Aug-19	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	103.1	170.3	260.0	<5	N
23-Aug-19	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	108.7	170.3	260.0	<5	N
29-Aug-19	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	74.7	170.3	260.0	<5	N
4-Sep-19	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	67.2	170.3	260.0	<5	N
10-Sep-19	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	72.8	170.3	260.0	<5	N
16-Sep-19	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	130.1	170.3	260.0	<5	N
20-Sep-19	Sunny	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	122.8	170.3	260.0	<5	N
26-Sep-19	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	144.5	170.3	260.0	<5	N
2-Oct-19	Fine	-	-	-	-	-	``	24.00	-	-	-	-	-	-	-	164.2	170.3	260.0	<5	N
8-Oct-19	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	154.1	170.3	260.0	<5	N
14-Oct-19	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	131.6	170.3	260.0	<5	N
18-Oct-19	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	118.1	170.3	260.0	<5	N
24-Oct-19	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	115.2	170.3	260.0	<5	N
30-Oct-19	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	99.4	170.3	260.0	<5	N

24-Hour TSP Monitoring Result at Station: SR77

Summary For the	Reporting Quarter				
(Aug 2019 - Oct 2019)					
Average	110.8				
Minimum	53.3				
Maximun	164.2				

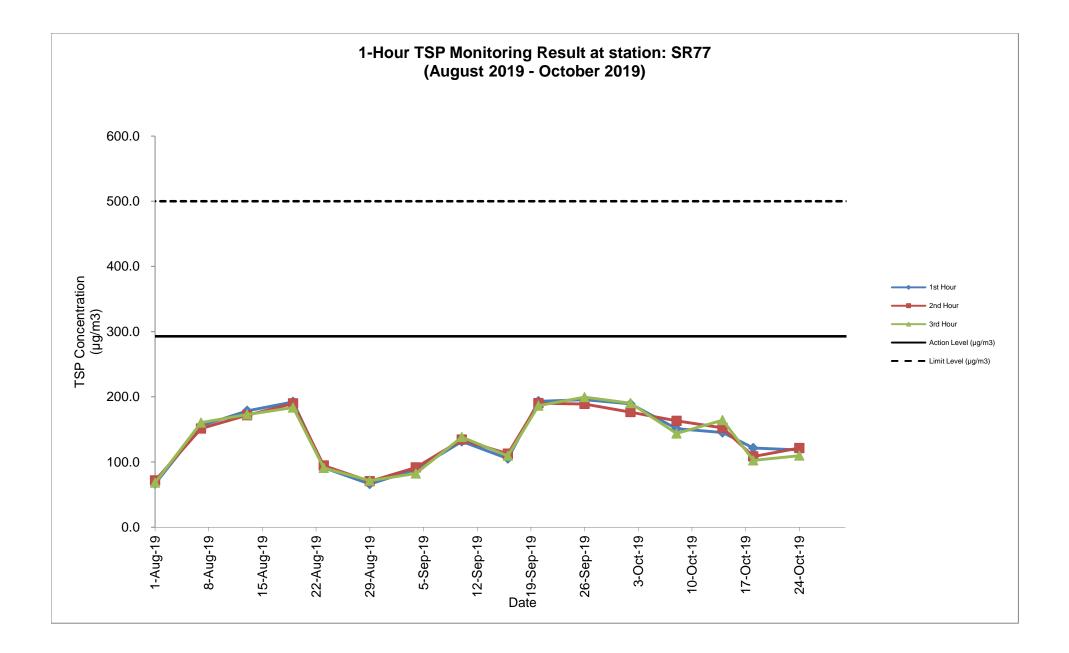


Appendix E Air Quality Monitoring Results and their Graphical Presentation

Date	Weather		Time			Conc.(µg/m ³))	Action Level	Limit Level
Date	Condition		1 11 11	3	1 st Hour	2 nd Hour	3 rd Hour	(µg/m3)	(µg/m3)
1-Aug-19	Cloudy	9:30	-	12:30	66.4	71.7	68.2	292.7	500.0
7-Aug-19	Fine	9:30	-	12:30	155.4	151.3	160.4	292.7	500.0
13-Aug-19	Fine	9:30	-	12:30	94.2	91.7	98.6	292.7	500.0
19-Aug-19	Fine	8:30	-	11:30	178.4	171.7	172.8	292.7	500.0
23-Aug-19	Fine	9:30	-	12:30	192.2	189.7	183.5	292.7	500.0
29-Aug-19	Cloudy	9:30	-	12:30	91.3	94.5	90.9	292.7	500.0
4-Sep-19	Cloudy	9:00	-	12:00	66.1	70.3	71.3	292.7	500.0
10-Sep-19	Fine	9:30	-	12:30	88.4	91.5	82.3	292.7	500.0
16-Sep-19	Cloudy	9:00	-	12:00	131.5	134.2	138.1	292.7	500.0
20-Sep-19	Sunny	9:00	-	12:00	105.2	112.6	109.4	292.7	500.0
26-Sep-19	Fine	9:00	-	12:00	193.1	190.2	186.4	292.7	500.0
2-Oct-19	Fine	9:00	-	12:00	195.4	189.0	199.4	292.7	500.0
8-Oct-19	Fine	9:30	-	12:30	189.2	176.4	190.2	292.7	500.0
14-Oct-19	Cloudy	9:30	-	12:30	151.2	163.1	143.7	292.7	500.0
18-Oct-19	Cloudy	9:00	-	12:00	145.1	152.3	164.2	292.7	500.0
24-Oct-19	Fine	9:30	-	12:00	121.3	108.4	102.5	292.7	500.0
30-Oct-19	Fine	9:30	-	12:30	118.5	121.4	109.7	292.7	500.0

1-Hour TSP Monitoring Result at Station: SR77

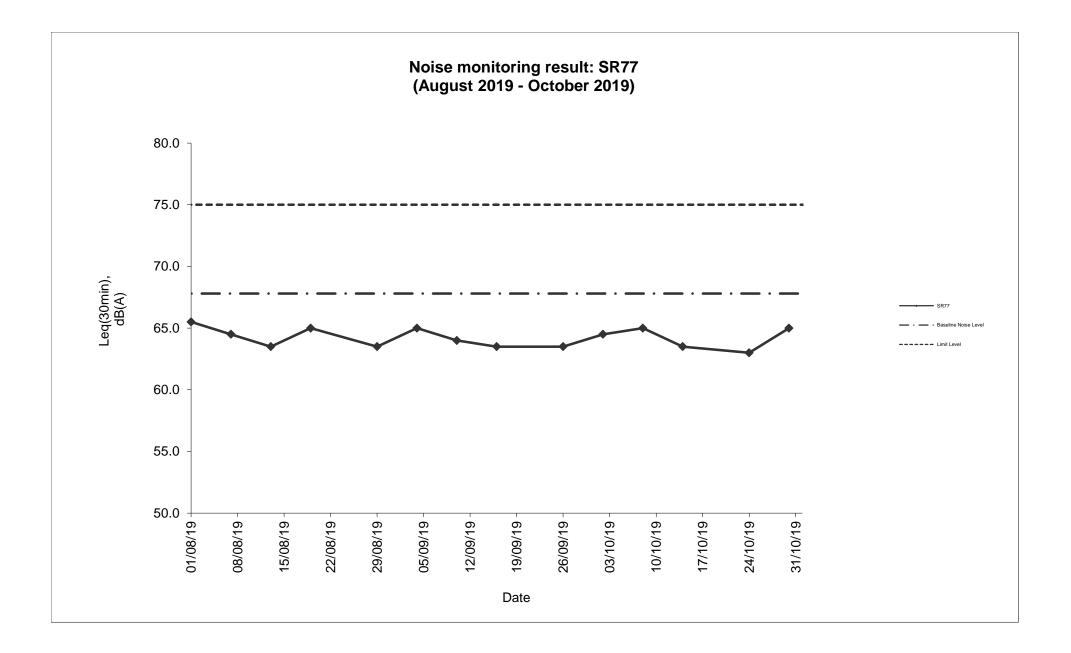
Summary For the Reporting Quarter						
(Aug 2019 - Oct 2019)						
Average 134.0						
Minimum	66.1					
Maximum	199.4					



Noise Monitoring Result at SR77

Date	Weather	Start	End Time	Measure	ed Noise Level	(dB(A))*	Baseline Corrected	Baseline Noise Level	Limit Level	Exceedance
	Condition	Time		L10(30min)	L90(30min)	Leq(30min)	Level, dB(A)**	(dB(A)), Leq(30min)	dB(A)	(Y / N)
2019-08-01	Cloudy	12:15	12:45	94.5	60.5	65.5	-	67.8	75.0	N
2019-08-07	Fine	12:15	12:45	85.5	55.5	64.5	-	67.8	75.0	N
2019-08-13	Fine	12:15	12:45	90.5	57.5	63.5	-	67.8	75.0	Ν
2019-08-19	Fine	12:15	12:45	98.5	56.5	65.0	-	67.8	75.0	Ν
2019-08-29	Cloudy	12:15	12:45	105.0	56.5	63.5	-	67.8	75.0	Ν
2019-09-04	Cloudy	11:15	11:45	96.0	58.0	65.0	-	67.8	75.0	Ν
2019-09-10	Fine	11:15	11:45	100.5	55.5	64.0	-	67.8	75.0	Ν
2019-09-16	Cloudy	11:15	11:45	90.5	56.0	63.5	-	67.8	75.0	Ν
2019-09-26	Fine	11:15	11:45	102.0	58.5	63.5	-	67.8	75.0	N
2019-10-02	Fine	11:15	11:45	96.0	60.0	64.5	-	67.8	75.0	N
2019-10-08	Fine	11:15	11:45	95.0	56.0	65.0	-	67.8	75.0	N
2019-10-14	Cloudy	11:15	11:45	101.0	58.0	63.5	-	67.8	75.0	N
2019-10-24	Fine	11:15	11:45	104.0	57.5	63.0	-	67.8	75.0	Ν
2019-10-30	Fine	11:15	11:45	97.5	55.5	65.0	-	67.8	75.0	N

Summary For the Rep	Summary For the Reporting Querter						
(Aug 2019 - Oct 2019)							
Average 64.2							
Minimum	63.0						
Maximum	65.5						





Appendix F Waste Flow Table

Monthly Summary Waste Flow Table

		Actual C	Quantities of In-	ert C&D Materia	als Generated	Monthly		Actual	Quantities of	C&D Wastes	Generated N	lonthly
		Hard Rock							Paper/			
	Total	and Large		Soil Reused	Soil Reused				cardboard			General
	Quantity	Broken		in the	in other	Soil Disposed			packaging		Chemical	Refuse
Month	Generated	Concrete	Soil	Contract	Projects	as Public Fill	Imported Fill	Metals	(Note 3)	Plastics	Waste	(Note 2)
Unit	(in '000m ³)	(in m ³)	(in '000m ³)									
Aug-19	1.395	-	1.395	-	-	1.395	-	-	-	-	-	0.205
Sep-19	3.496	-	3.496	-	-	3.496	-	-	-	-	-	0.200
Oct-19	2.063	-	2.063	-	-	2.063	-	-	-	-	-	0.105
Total	6.954	-	6.954	-	-	6.954	-	-	-	-	-	0.510

Note: 1. Assume the density of soil fill is 2 ton/m^3 .

2. Assume the density of rock and broken concrete is 2.5 ton/m^3 .

3. Assume each truck of C&D wastes is 5m³.

4. The inert C&D materials except slurry and bentonite are disposed at Tuen Mun 38.

5. The slurry and bentonite are disposed at Tseung Kwun O 137.

6. The non-inert C&D wastes are disposed at NENT.

7. Assume the density of metal is $7,850 \text{ kg/m}^3$.



Appendix G Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions



Cumulative Complaint Log

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
C131126	26, November, 2013	Mr. Tony Hung from WWF	Mat Wat River (works sites for box culvert extension)	Suspected unauthorised discharge of water from a construction site to Ma Wat River, Tai Wo Service Road East, Tai Po	It was found that the water leaving the end of the steel pipes was the diverted water from the upstream of the existing box culverts, instead of being discharged from the construction works sites. An EM&A Programme is being undertaken to monitoring the environmental performance of the construction works, and the Contractor has also implemented appropriate mitigation measures to avoid silt-laden runoff discharging from the works sites into the river. The complaint is considered an invalid complaint under this Project.	Completed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
C141120	20 November, 2014	EPD	Ng Tung River and Ma Wat River nearby the site of the Liantang/ Heung Yuen Wai BCP Project (Contract Number CV/2012/09)	At Bridge NF426 in Fanling, the whole Ng Tung River showed milky and suspected illegal discharge by nearby factory has undertaken. (粉嶺近天橋編號 NF426 梧桐河整條河 河水呈奶白色懷疑附 近有工廠非法排放污 水)	 Water Supplies Department (WSD) conducted a washout procedure on 20 November 2014 at about 9:30am to flush the newly installed water pipe of diameter of 1400mm which has recently finished disinfection. It is understood that the procedure has lasted for about 1 hour and large amount of freshwater has been discharged into the Ma Wat River through a washout port. Although water was observed seeping from the gantry switch and flew into the works sites, the area is a sump pit and the water was unlikely to run off and entered the river directly. As such, it is anticipated that only freshwater has been discharged into Ma Wat River through the washout port. Both site inspections conducted by the ET before the complaint (19 November 2014), and after the complaint (24 November 2014) did not identify any deficiencies on environmental mitigation measures. Also, there were no rains during the period and the risk of construction site run-off is considered minimal. 	Completed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					The water from the Ma Wat Channel adjoins the Ng Tung River before passing through the complaint location, so other pollution sources may also occur at upstream of Ng Tung River The complaint is considered unlikely due to the construction works of this	
C171228	28 December, 2017	1823	Kau Lung Hang and Hong Lok Yuen	Air quality issue nearby Kau Lung Hang and Hong Lok Yuen area. Stockpiling within the Project area was observed to be uncovered, causing dust dispersion within the area. (大埔 九龍坑附近的空氣污 染問題嚴重。吐露港 公路蓮塘口岸隧道工 程經常見到沙泥沒有 覆蓋,導致沙土飛揚 散佈九龍坑,康樂園 一帶,造成極大困擾 與明顯健康風險。要 求立即改善,懲罰相	 project. The Environmental Team (ET) was informed of the complaint through Chun Wo and CEDD via 1823 online-enquiry/ complaint form received on 28 December 2017 at 9:04am. Investigation was triggered in accordance with the procedures as specified in Section 7.3 of the EM&A Manual. A joint investigation by the ET and the IEC was conducted on 28 December 2017. As advised by the Contractor, no construction works were carried out during the public holiday. No exceedance of TSP level at the air monitoring station under this Contract was recorded in the past six months except 8 December 2017. 	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				關建築商。附圖是該 區狀況。昨日洗車, 一日已經沙塵滿佈。)	Exceedance on 8 December 2017 was considered not project related as no major excavation works located close to the monitoring location at SR77. Based on the routine environmental site inspection and information provided by the Contractor, it is considered that dust suppression measures have been implemented to minimize dust nuisance arising from the works areas. Nonetheless, the ET and IEC will continue the auditing and reviewing of the Contractor's implementation of mitigation measures during the construction period.	



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