

Activity Name							_		
		Nov 20	16 Dec	Jan	Feb	20 ⁻ Mar	17 Apr	Mav I	Jun
MS 3.3.114 Completion of excavation, support and permanent lining for 95% of the	otal length (measured on					ent lining for 95% of the			Juli
MS 3.3.115 Completion of excavation, support and permanent lining for 97.5% of the	total length (measured c		i i		1	ent lining for 97.5% of		i i	
MS 3.3.116 Completion of excavation, support and permanent lining for 100% of the			1		(1)	ent lining for 100% of		1 1	
MS 3.3.117 Complete tunnel internal structures for 25% of total length (measured or		MS 3.3.117 Comp	1		10.7	d on plan) of the Nort	• ,	1 1 1	
MS 3.3.118 Complete tunnel internal structures for 50% of total length (measured or	plan) of the Northbound	1	1		MS 3.3.118 Com	plete tunnel internal s	tructures for 50% of	total length (measured	on plan) of the No
MS 3.3.121 Complete tunnel internal structures for 25% of total length (measured or	plan) of the Southbound	MS 3.3.121 Comp	ete tunnel internal st	ructures for 25% of t	otal length (measur	d on plan) of the Sou	thbound TBM Tunn	el	
MS 3.3.122 Complete tunnel internal structures for 50% of total length (measured or	plan) of the Southbound		, 1 1		MS 3.3.122 Com	plete tunnel internal \$	tructures for 50% of	ftotal length (measured	on plan) of the S
Cross Passages for TBM Tunnel		1	1 1 1		}				
MS 3.3.1 Complete 50% of ground treatment for excavation of all Type 1 Cross Pass			MS 3.3.1 Complete	50% of ground trea	tment for excavation	of all Type 1 Cross P	assages(Percentage	e to be certified for 50%	,
MS 3.3.3 Complete 50% of ground treatment for excavation of all Type 2 Cross Pass			MS 3.3.3 Complete	_	l i			e to be certified for 50%	
MS 3.3.5 Complete 50% of excavation and support for all Type 1 Cross Passages(P			•		i i	i i		es(Percentage to be cer	
MS 3.3.7 Complete 50% of excavation and support for all Type 2 Cross Passages(P MS 3.3.9 Complete 50% of permanent lining and internal structures for all Type 1 Cr			•	MS 3.3.7 Comple	2			es(Percentage to be cer	
MS 3.3.11 Complete 50% of permanent lining and internal structures for all Type 2 C			1		1	1 1	-	structures for all Type 1 It lining and internal stru	- 1
Cut-and-cover Tunnels at Southern Landfalls	1033 i assages(i ercenta					IVIS 3.3.11 Complete	e 50 % of permanen	tilling and internal sud	
MS 4.1.1 Complete 10% of total length (measured on plan) of temporary retaining w	alls for excavation of Cut-		1 1 1		}				
MS 4.1.2 Complete 20% of total length (measured on plan)of temporary retaining w			! !						
MS 4.1.3 Complete 30% of total length (measured on plan) of temporary retaining w			; ! !		į				
MS 4.1.4 Complete 40% of total length (measured on plan) of temporary retaining w	alls for excavation of Cut-		!						
MS 4.1.5 Complete 50% of total length (measured on plan) of temporary retaining w	alls for excavation of Cut-		'		:	<u> </u>			
MS 4.1.6 Complete 60% of total length (measured on plan) of temporary retaining w	alls for excavation of Cut-		1					į į	
MS 4.1.7 Complete 70% of total length (measured on plan) of temporary retaining w	alls for excavation of Cut-		; ! !						
MS 4.1.8 Complete 80% of total length (measured on plan) of temporary retaining w	alls for excavation of Cut-								
MS 4.1.9 Complete 90% of total length (measured on plan) of temporary retaining w			ļ			ļi		ļ	
MS 4.1.10 Complete 100% of total length (measured on plan) of temporary retaining	walls for excavation of C		! ! !						
MS 4.1.11									
MS 4.1.12 Complete 40% of excavation for Cut-and-cover tunnel		n for Cut-and-cover to	i					ĺ	
MS 4.1.13 Complete 60% of excavation for Cut-and-cover tunnel		MS 4.1.13 Comple	ete 60% of excavation		!				
MS 4.1.14 Complete 80% of excavation for Cut-and-cover tunnel			}	MS 4.1.14 Compl	-,	on for Cut-and-cover to			
MS 4.1.15 Complete 100% of excavation for Cut-and-cover tunnel	od on plan) of Out = 1.1	the tetallers of a	l l	and cours		► MS 4.1.15 Comple	te 100% of excavation	on for Cut-and-cover tui	nnel
MS 4.1.16 Complete permanent tunnel structure for 10% of the total length (measur		l ;			tand same				
MS 4.1.17 Complete permanent tunnel structure for 20% of the total length (measur MS 4.1.18 Complete permanent tunnel structure for 30% of the total length (measur						t-and-cover Turned			
MS 4.1.18 Complete permanent tunnel structure for 30% of the total length (measur MS 4.1.19 Complete permanent tunnel structure for 40% of the total length (measur									
MS 4.1.20 Complete permanent tunnel structure for 40% of the total length (measur						L L	t-and-cover Tunnel	ļ -	
MS 4.1.21 Complete permanent tunnel structure for 60% of the total length (measur		IVIS 4.1.20 Comple	l permanent tunner		.i	i i		of the total length (meas	sured on plan) of (
MS 4.1.22 Complete permanent tunnel structure for 70% of the total length (measur					i	i i		structure for 70% of the	
MS 4.1.23 Complete permanent tunnel structure for 80% of the total length (measur					1			structure for 80% of the	
MS 4.1.24 Complete permanent tunnel structure for 90% of the total length (measur	ed on plan) of Cut-and-cc		1		į	!		ete permanent tunnel st	
MS 4.1.26 Complete excavation for 50% of total length (measured on plan) of all Cro	ss Passages		¦					<u> </u>	
MS 4.1.27 Complete excavation for 100% of total length (measured on plan) of all C	ross Passages		: !		li .				
MS 4.1.29 Complete pavement for 50% of the total length (measured on plan) of Cu	-and-cover Tunnel	1	•	MS 4.1.29 Compl	ete pavement for 50	່ % of the total length (ຖໍ່	neasured on plan) o	of Cut-and-cover Tunne	d
Cut-and-cover Tunnel at Northern Landfall			!		ļ				
MS 4.2.22 Complete tunnel internal structure for 50% of NB Northern Landfall TBM	Tunnel	ructure for 50% of NB	Northern Landfall TE	M Tunnel	<u> </u>			jj_	
MS 4.2.23 Complete tunnel internal structure for 100% of NB Northern Landfall TBN	Tunnel	ețe tunnel internal str	ucture for 100% of NE	Northern Landfall	BM Tunnel				
MS 4.2.24 Complete tunnel internal structure for 50% of SB Northern Landfall TBM		MS 4.2.24 Compl	ete tunnel internal str	ucture for 50% of SI	Northern Landfall	TBM Tunnel			
MS 4.2.25 Complete tunnel internal structure for 100% of SB Northern Landfall TBN	Tunnel	[MS 4.2.25 Comple	te tunnel internal str	ucture for 100% of S	B Northern Landfall T	BM Tunnel		
MS 4.2.29 Complete 100% of permanent lining and internal structures for all Northe		1 !	1		l structures for all No	orthern Landfall Cross	Passages		
MS 4.2.30 Complete Permanent tunnel structure for 25% of Cut and Cover Tunnel		el structure for 25% of						¦	
MS 4.2.31 Complete Permanent tunnel structure for 50% of Cut and Cover Tunnel		ete Permanent tunne	;		1				
MS 4.2.32 Complete Permanent tunnel structure for 75% of Cut and Cover Tunnel		i	i ·		structure for 75% o	f Cut and Cover Tunn	el		
MS 4.2.34 Complete Permanent junction structure at interface between Cut-and-cov		ce between Cut-and-	over and TBM Tunne ¦						
Approach Ramp Structures to Cut-and-cover Tunnel at South MS 5.1.2 Complete 40% of excavation for approach ramp structures	ern Landfall	1	1		!				
MS 5.1.3 Complete 40% of excavation for approach ramp structures								ł	
MS 5.1.4 Complete 80% of excavation for approach ramp structures									
MS 5.1.5 Complete 100% of excavation for approach ramp structures			1		}				
MS 5.1.6 Complete retaining wall foundation for 10% of the total length (measured of	n plan) of approach rami		!						
MS 5.1.7 Complete retaining wall foundation for 20% of the total length (measured of			i 		į				
MS 5.1.8 Complete retaining wall foundation for 30% of the total length (measured of	. , ., .,		<u></u>						
MS 5.1.9 Complete retaining wall foundation for 40% of the total length (measured of			! !		i				
MS 5.1.10 Complete retaining wall foundation for 50% of the total length (measured			1						
MS 5.1.11 Complete retaining wall foundation for 60% of the total length (measured			! !						
MS 5.1.12 Complete retaining wall foundation for 70% of the total length (measured	on plan) of approach rar	j			<u> </u>			<u> </u>	
MS 5.1.13 Complete retaining wall foundation for 80% of the total length (measured	on plan) of approach rar		!		!				
MS 5.1.14 Complete retaining wall foundation for 90% of the total length (measured	on plan) of approach rar		! !		; ;				
MS 5.1.15 Complete retaining wall foundation for 100% of the total length (measure	d on plan) of approach ra	1	1		:				
At grade Roads at Northern Landfall			!						
MS 6.2.13 Complete drainage installation of 20% length of total length (measured o			; ;		<u>-</u>	} <u>-</u>		ete drainage installation	
MS 6.2.17 Complete sewerage installation of 20% length of total length (measured	on plan) of sewerage pipe		 			•	MS 6.2.17 Comple	ete sewerage installatio	n of 20% length o
South Ventilation Buildings			1					[
MS 7.1.1 Complete 100% of cofferdam for excavation		te 100% of cofferdam	i		; ; ;				
MS 7.1.2 Complete 100% of excavation to the formation level		te 100% of excavation	n to the formation leven	el .	1				
MS 7.1.3 Complete 100% of foundation for the ventilation building	for the ventileties building	M07440	0 0000000000000000000000000000000000000	OE0/	hooretus-		huildine	ļ	
MS 7.1.4 Complete concreting works of 25% area of the total construction floor area MS 7.1.5 Complete concreting works of 50% area of the total construction floor area		ivio 7.1.4 Complet	i		i i	i i		area for the vertiles	quilding
MS 7.1.6 Complete concreting works of 75% area of the total construction floor area			1	Comple c. i . cow	1	i i		area for the ventilation b 175% area of the total o	-
MS 7.1.7 Complete concreting works of 100% area of the total construction floor area	<u>'</u>		! !		`	1 1	_	te concreting works of 1	
North Ventilation Buildings		1	1 1 1		:	Ĭ	complet		
MS 7.2.4 Complete concreting works of 25% area of the total construction floor area	for the ventilation building	I construction floor ar	a for the ventilation b	uilding	 			ļ	
MS 7.2.5 Complete concreting works of 50% area of the total construction floor area			;	Ŭ	t construction floor	់ area for the ventilation	building		
MS 7.2.6 Complete concreting works of 75% area of the total construction floor area	for the ventilation building		i		i i	i i	_	area for the ventilation b	ouilding
MS 7.2.7 Complete concreting works of 100% area of the total construction floor are	a for the ventilation buildi					•	MS 7.2.7 Complet	te concreting works of 10	00% area of the to
Facilities Provision for E&M Works for TBM Tunnel, Cut & Cov	er Tunnels and Cı		i ! !		j				
MS 9.1.1 Complete 25% of bonding terminal, opening and accessories, etc.		te 25% of bonding te	minal, opening and a	ccessories, etc.					
MS 9.1.2 Complete 25% of plinth, hoisting facilities and accessories, etc.		te 25% of plinth, hois	ing facilities and acce	ssories, etc.	i !				
MS 9.1.3 Complete 50% of bonding terminal, opening and accessories, etc.		1	1		MS 9.1.3 Comple	ete 50% of bonding te	rminal, opening and	accessories, etc.	
Page 2 of 12	TMOUL	hous O		maral Orient			Date	Revision Che	ecked Approved
Page 2 of 12 Planned Bar	TMCLK - Nort	nem Connection	וו Sea -מטכ ווע	unner Section			12-Feb-14 TMCLK 08-Apr-14 TMCLK	KDBJGEN/PRG/98507 WYu KDBJGEN/PRG/98507 Rev.B SPa	SPo WYu
Project ID: TMCLK DWPF 17W04	Detail	iled Works Pro	gramme (Rev	F)	香寶	嘉	20.000.	(DBJGEN/PRG/98507 Rev. C CLa (DBJGEN/PRG/98507 Rev. F WYu	WYu
◆ Planned Milestone	Dela	WOIRS FIL	grannie (Nev	• • ,	Drago	iges BOUYGUES TRAVAUX PUBLICS			
Data Date: 29-Jan-17	Thi	ree Months Ro	Iling Programm	ne	A member of the Bouygues Construction	n group			
◆ Progress Milestone		5 5		Dragages - Bouygues Joint	venture 复ை - 布依格聯營			1	

Progress Milestone

Progress as of 29-Jan-17



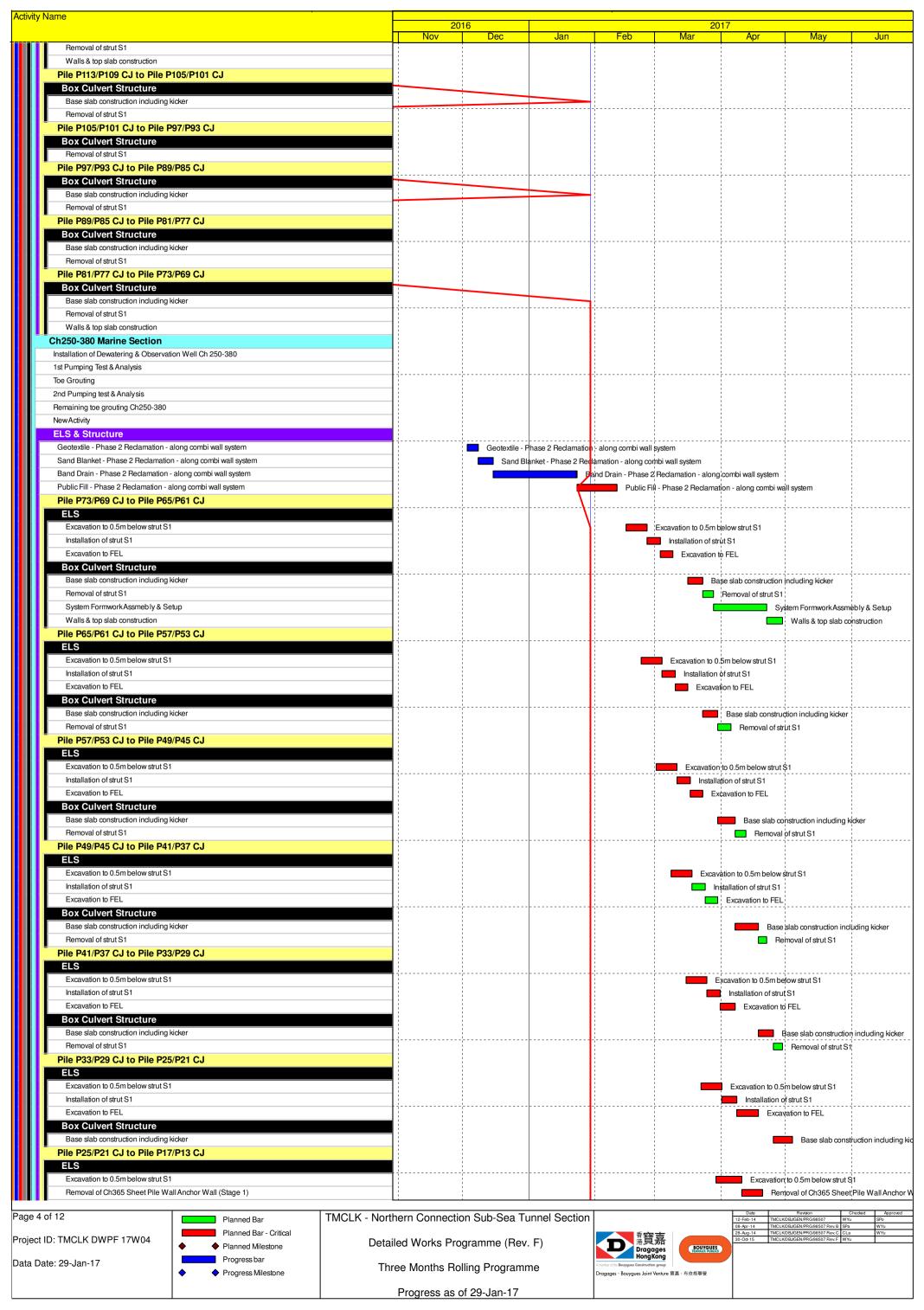
	2016 Nov Dec	Jan	Feb	Mar	Apr	May	Jun
MS 9.1.4 Complete 50% of plinth, hoisting facilities and accessories, etc.			MS 9.1.4 Compl	te 50% of plinth, hois	i	i	
MS 9.1.5 Complete 75% of bonding terminal, opening and accessories, etc.						MS 9.1.5 Complete	4
MS 9.1.6 Complete 75% of plinth, hoisting facilities and accessories, etc.				 	•	MS 9.1.6 Complete	75% of plin
Facilities Provision for E&M Works for North Ventilation Building MS 9.5.1 Complete 25% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, conceal				1 1 1		MS 9.5.1 Complete	25% of bor
MS 9.5.2 Complete 25% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.				 		MS 9.5.2 Complete	1
MS 9.5.3 Complete 25% of floor drain, water tank and accessories, etc.				1 1 1		MS 9.5.3 Complete	i
nstruction				+	+		
orthern Landfall			i !		 	1	į
North Reclamation (Phase 1)				1 1 1	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Construction				1	1		
Zone B				,	, ,		
Reclamation					1 1 1		
Surcharge Removal - Zone B - (CH598 to 648) Surcharge Removal - Zone B - (CH598 to 698) stage 1			İ	! !	 	1	
Surcharge Period - Zone B - (CH648 to 698) stage 2	1		Surcharge P	; eriod - Zone B - (CH6	48 to 698) stage 2	1	
Surcharge Removal - Zone B - (CH598 to 698) stage 2			<u> </u>	arge Removal - Zon	, ,	stage 2	
Zone F							i
CH184 to CH231				 	1 1 1	1	
F - Anchor wall Installation - CH184 to CH231							
F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH184 to CH231							
F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall- CH184 to CH231				 	! ! !		
F - Backfilling up to +6.0mPD to Anchor Wall - CH184 to CH231			1		1 1 1	1	
F - Backfilling to +6.0mPD to Existing Seawall - CH184 to CH231							
CH231 to CH278 F - Backfilling up to +6.0mPD - CH231 to CH278							
F - Anchor wall Installation - CH231 to CH278					 	: ! !	
F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH231 to CH278	 				 	1	
F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH231 to CH278			İ	: 	: 	: 	
F - Backfilling up to +6.0mPD to Anchor Wall - CH231 to CH278				 	 		
F - Backfilling to +6.0mPD to Existing Seawall - CH231 to CH278			İ			: 1 1	
CH278 to CH327			1		<u> </u>	!	1
F - Backfilling up to +6.0mPD - CH278 to CH327							
F - Anchor wall Installation - CH278 to CH327							
F - Backfilling up to 0.0mPD & G2 Installation to Andror Wall - CH278 to CH327							
F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327							
F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 F - Backfilling to +6.0mPD to Existing Seawall - CH278 to CH327					, ,		
CH327 to CH381							
F - Backfilling up to +6.0mPD - CH327 to CH381					, , ,		
F - Anchor wall Installation - CH327 to CH381							
F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH327 to CH381							
F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH327 to CH381							
F - Backfilling up to +6.0mPD to Anchor Wall - CH327 to CH381			1		 	1 1 1	
F - Backfilling to +6.0mPD to Existing Seawall - CH327 to CH381				1 1 1	1 1 1		
Box Culvert Extension			1	i i i	1 1 1	1 1 1	
Construction Ch000-010 Culvert Outfall							
Removal of temporary bulk head				1 1 1	1 1 1		
CH100-150 Land Section							
Pile A41/A39 CJ to Pile A39/A37 CJ					! !	1	
Box Culvert Structure	,				, , , ,		
Pile cap construction				1			
Base slab construction including kicker							
Removal of strut S1 Sliding formworks 1st assembly				1	1 1 1	1	
Walls & top slab construction				1 	1 1 1		
Removal of strut S2 & Backfilling up to required level					; 		
Pile A39/A37 CJ to Pile A37/A35 CJ					1 1 1		
Box Culvert Structure				1	1 1		
Pile cap construction				1 1 1	1 1 1		
Base slab construction including kicker			1		! !		1
Removal of strut S1							
Walls & top slab construction				 	 		
Removal of strut S2 & Backfilling up to required level					 	: ! !	
Pile A37/A35 CJ to Pile A35/A33 CJ			-	1 1 1	1 1	1	
ELS Excavation to FEL					, , ,		
Box Culvert Structure					1 1	1 1	
Pile cap construction				1	1		
Base slab construction including kicker				1 1 1	1 1 1		
Removal of strut S1				1 1 1	1 1 1	1	
Walls & top slab construction	 			; 		;	
Removal of strut S2 & Backfilling up to required level			-	1 1 1	1 1 1	1	
Pile A35/A33 CJ to Pile A33/P117 CJ					1 1 1		
ELS			1	 	1 1 1	1 1 1	
Excavation to FEL					: : :	1	
Box Culvert Structure			1	1 1 1	1 1 1	1 1 1	
Pile cap construction				! ! !	! ! !	 	
Base slab construction including kicker				1 1 1	1 1 1		
Removal of strut S1				 	 		
Walls & top slab construction			<u> </u>	, , ,	1 1 	1	
Ch150-250 Marine Section ELS & Structure						; ! !	!
Pile A33/P117 CJ to Pile P113/P109 CJ				 	 		
Box Culvert Structure					, 	; ! !	!
Base slab construction including kicker				 	1 1 1	1	
	!		<u> </u>		Date	Revision	Chedwed
of 12 Planned Bar TMCLK - Nort	hern Connection Sub-Sea	Tunnel Section			12-Feb-14 TMCLF	Revision K/DBJ/GEN/PRG/98507 WY K/DBJ/GEN/PRG/98507 Rev. B SPa	ru SPo a WYu
1.452.24.							
ID: TMCLK DWPF 17W04	iled Works Programmo (P	ev Fl	香音	嘉	28-Aug-14 TMCLF 30-Od-15 TMCLF	KDBJGEN/PRG/98507 Rev. C CLi KDBJGEN/PRG/98507 Rev. F WY	
Planned Bar - Critical	iled Works Programme (R	ev. F)	香 注 Drago Hongl	iges BOUYGUES	28-Aug-14 TMCLF 30-Od-15 TMCLF	K/DBJ/GEN/PRG/98507 Rev. C CL	

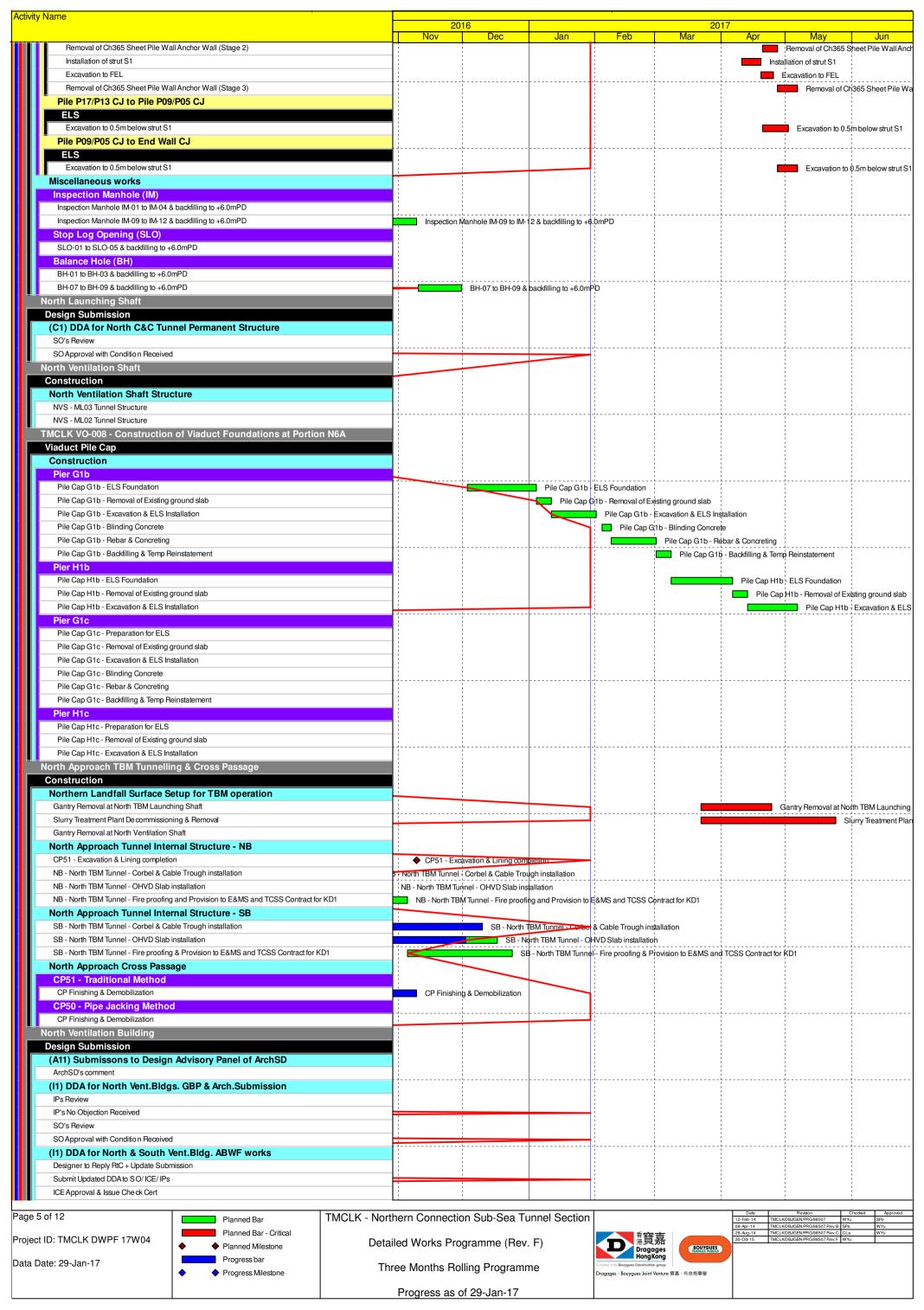


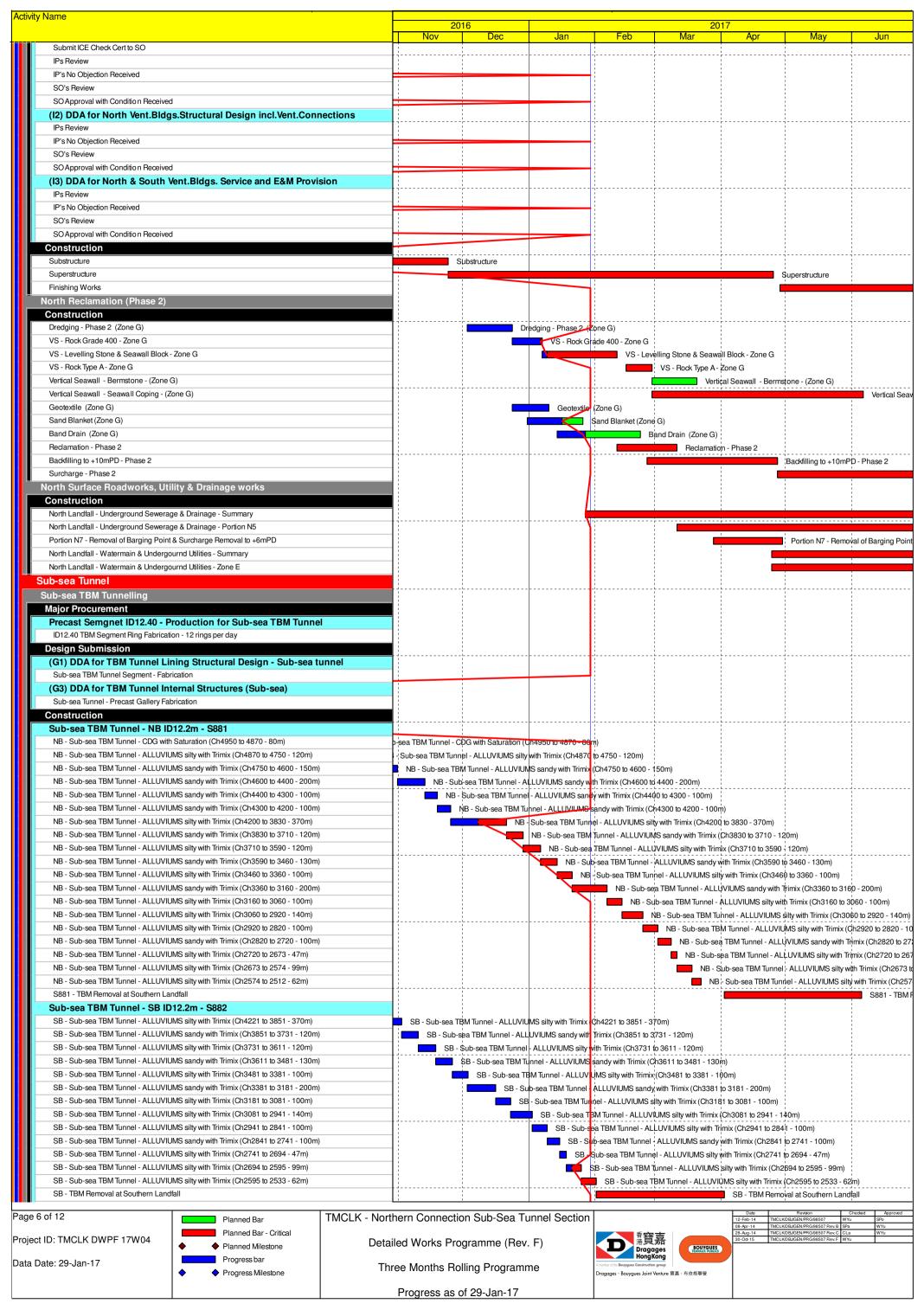
Progress as of 29-Jan-17

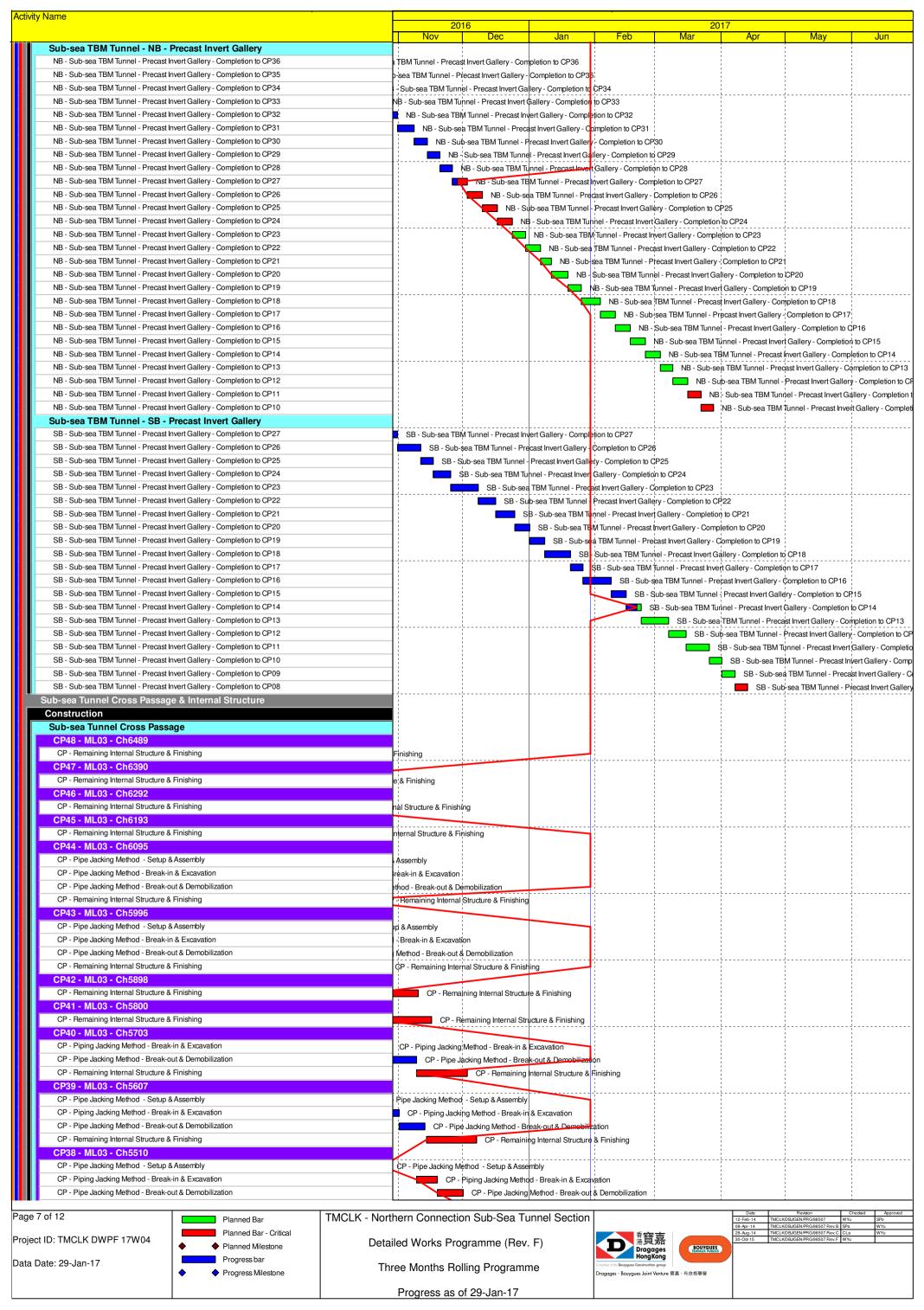


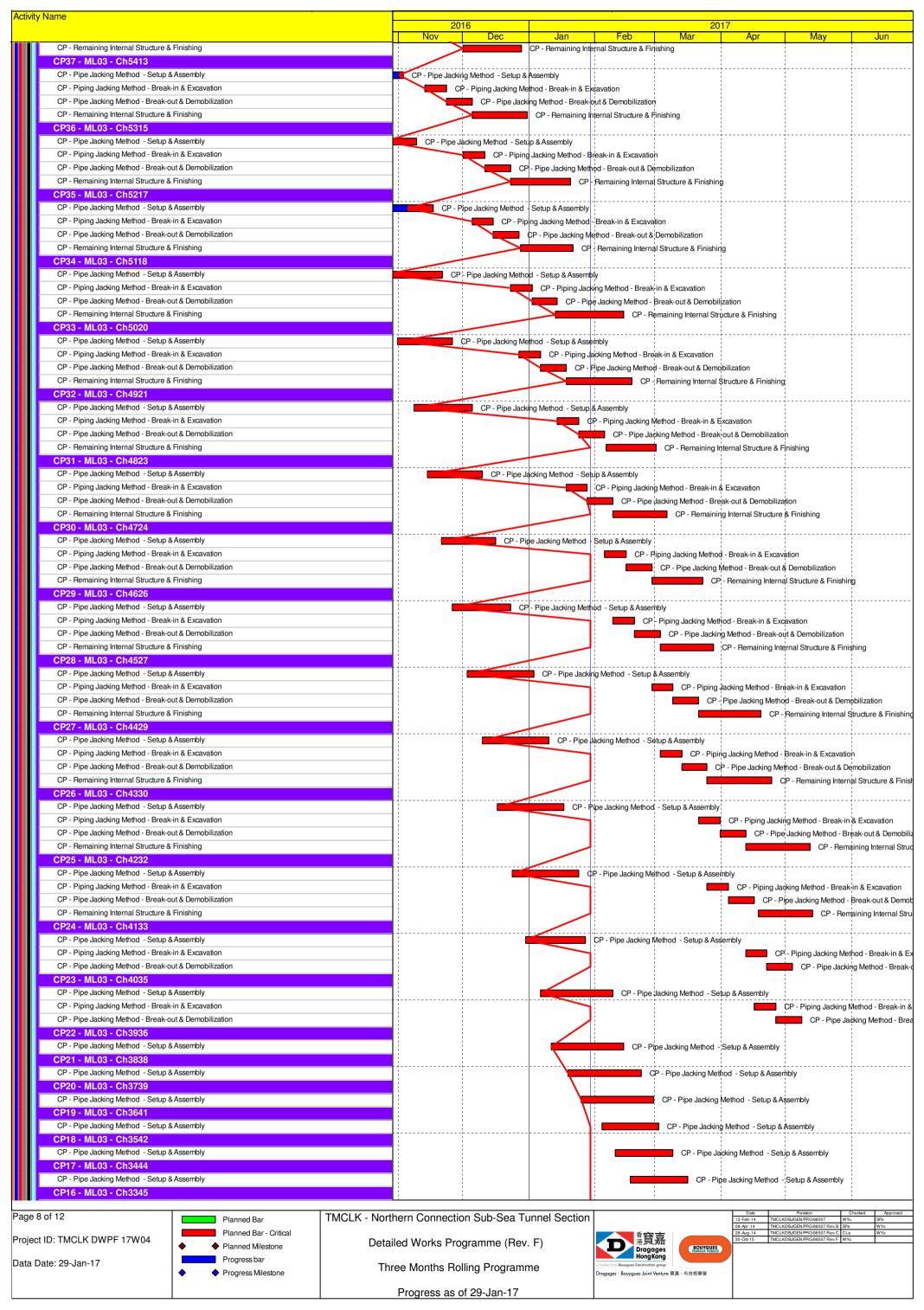


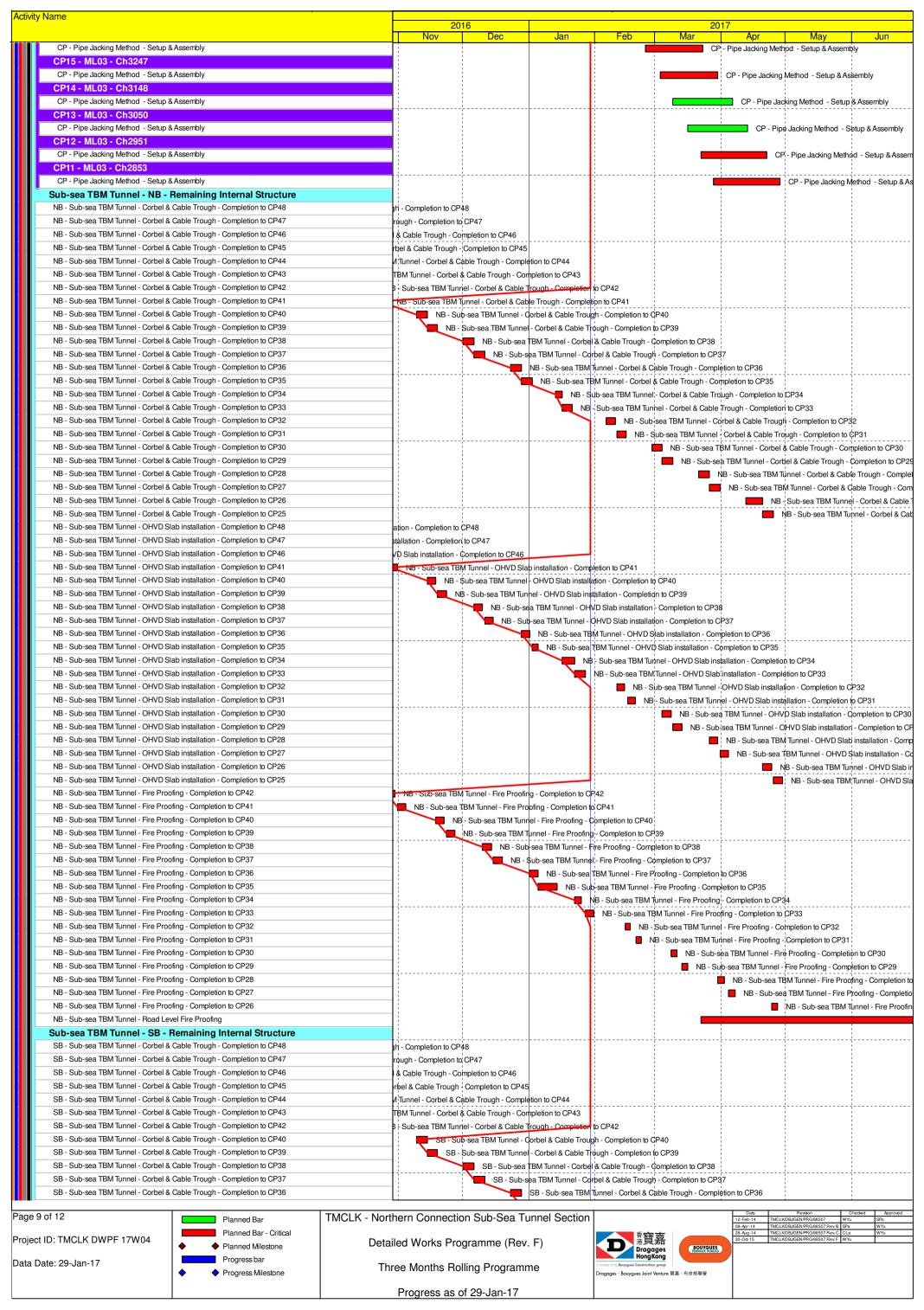


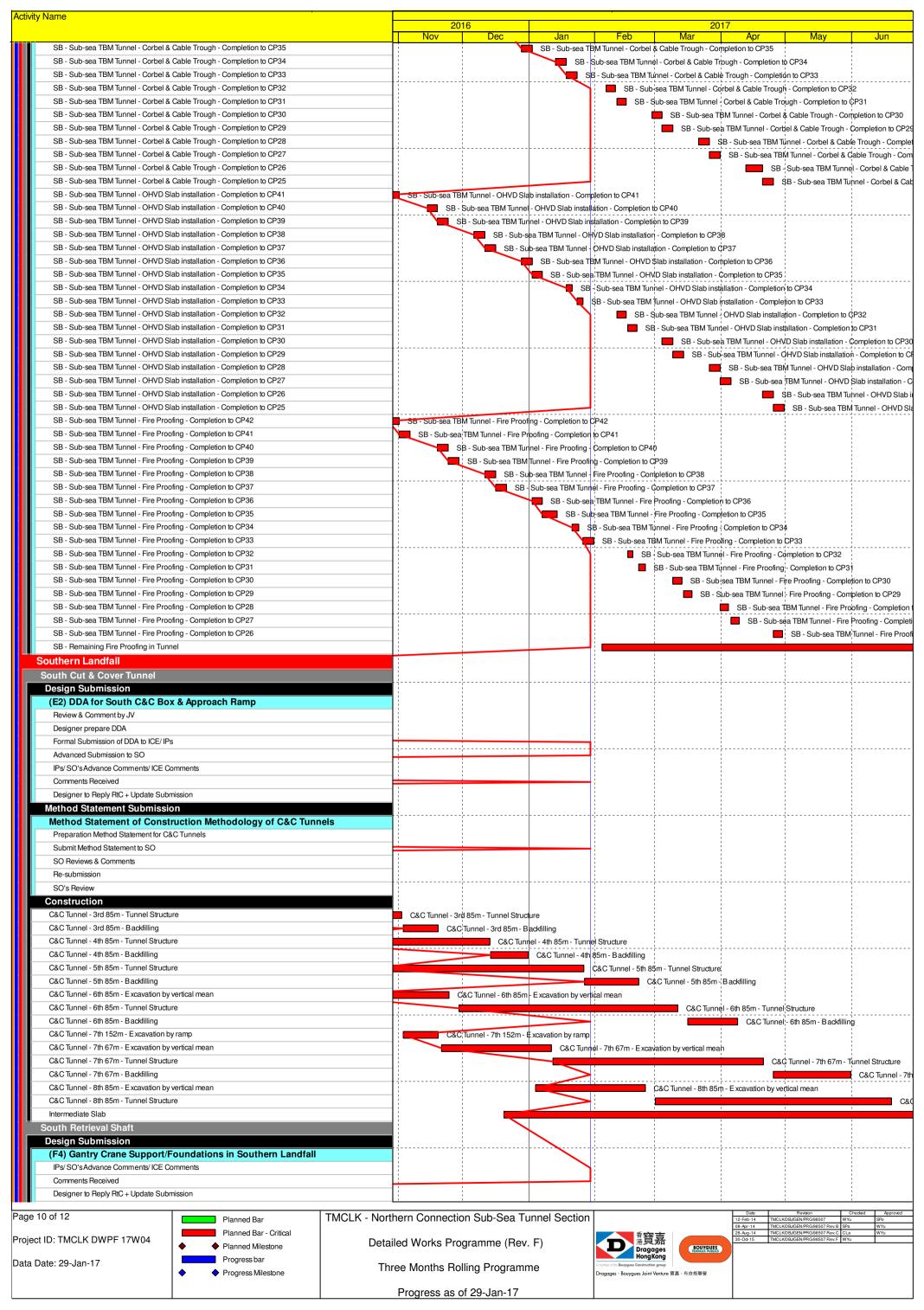


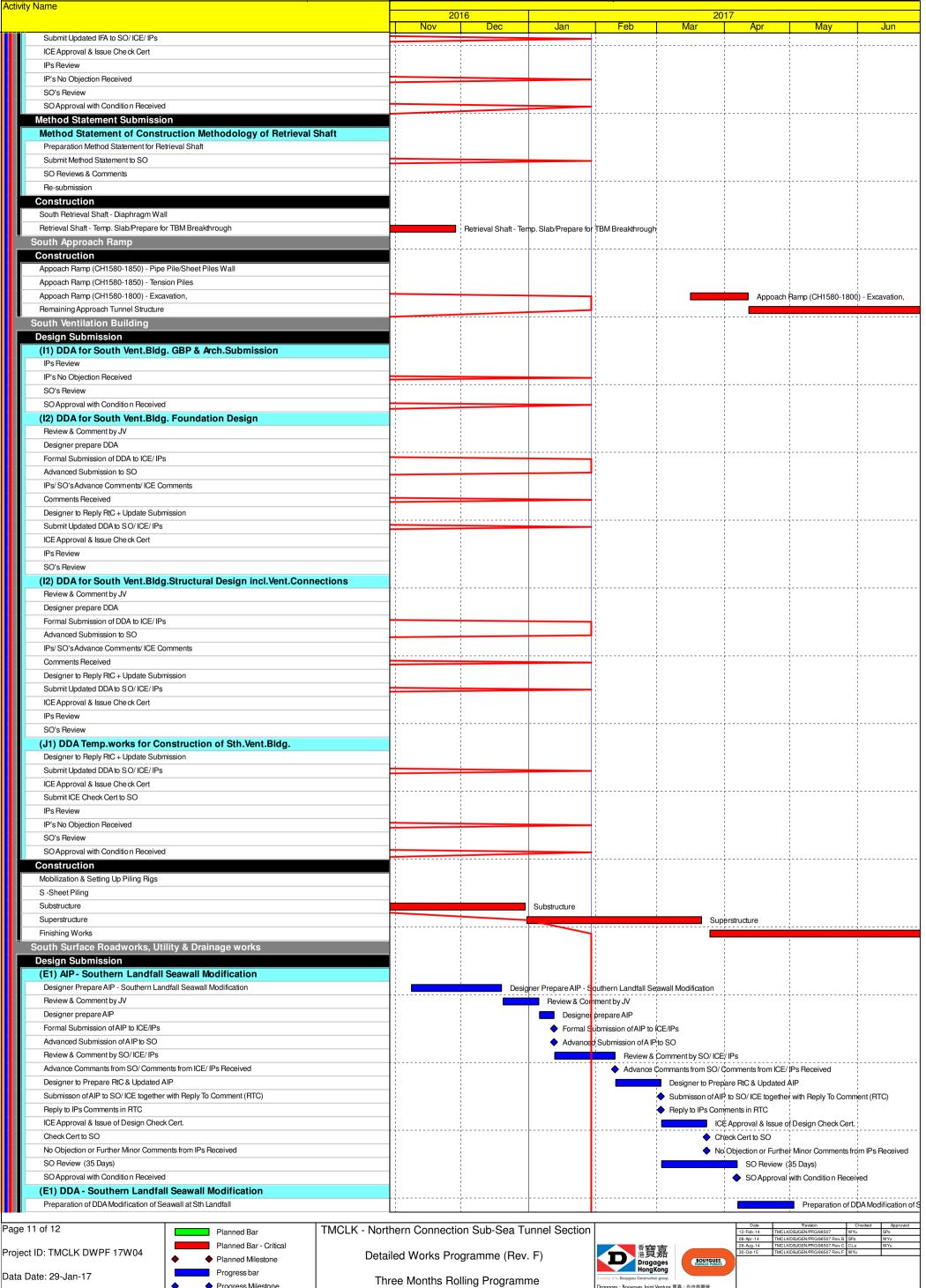












Progress as of 29-Jan-17

Progress Milestone





Name	2010								
	Nov 2	016 Dec	Jan	Feb	20 Mar	17 Apr	May	Jun	
Designer to Reply RtC + Update Submission	1100	Dec	Jan	1 60	iviai	Αρι	Iviay	Juli	
Submit Updated DDA to SO/ICE/IPs								! ! !	
IPs Review				i !		1		1	
IP's No Objection Received	1			1		i		1	
SO's Review						!			
SO Approval with Condition Received	1			1		1	1	1	
(E3) DDA for Sewerage, Drainage, Waterworks & Utility works for South Landf	1			!			 	! !	
IPs Review								: :	
IP's No Objection Received							, 	, 	
SO's Review									
SO Approval with Condition Received	1 1 1	!		1		1	1 1 1	1 1 1	
Method Statement Submission	1						 	1 1 1	
Method Statement of Ground Treatment for TBMs Passing under Southern La		!					1 1 1	! !	
Preparation Method Statement for Ground Improvement in South Landfall								: :	
Submit Method Statement to SO									
SO Reviews & Comments	1	1		1		1	 	i ! !	
Re-submission	1 1 1			1			1 1 1	1 1 1	
SO's Review	1						1 1 1	1 1 1	
SO's Approval				!			 	!	
Construction									
Temporary Platform for Ground Treatment for TBM passing under Southern Seawall							, 1 1	!	
Grouting Treatment for TBM passing under Southern Seawall	1	; Grouting Treatment fo	r TRM passing unde	r Southorn Soawall		1	1 1 1	i ! !	
esting & Commissioning/Inspection & Handover	1	the distriction of the districti	7 TENT passing and				1 1 1	1 1 1	
				!				!	
Final Inspection & Handover									
Design Submission (A12) Maintenance Matrix							1 1	! !	
(A12) Maintenance Matrix Preparation of Maintenance Matrix	1			1			 	 	
·	1						 	! !	
Prepare Re-submission 2nd Submission				!				!	
SO's Condition Approval									
	1	1				i !	 	i ! !	
(A13) Operation & Maintenance Manual Preparation of Operation and Maintenance Manual	1			1			 	! !	
1st Submission							1 1 1	!	
SO's Comments for 1st Submission								: !	
Prepare Re-submission	į			į					
·	1					i !	 	i !	
(A14) As-built & As-fabricated Drawings	1			1			 	 	
Preparation of As-built and As-fabricated Drawings]			 	 	
1st Submission								!	
SO's Comments for 1st Submission	į								
(A15) Health & Safety File incl.As-built Dwgs & Records, Maintenance Schedul								! !	
Preparation of Health and Safety File including as-built drawings and records, maintenance schedules, or	1			1			 	1	
1st Submission	1	+		11		1	1	1	

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Project ID: TMCLK DWPF 17W04

Data Date: 29-Jan-17



TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

Three Months Rolling Programme

Progress as of 29-Jan-17



