Table L1 Cumulative Statistics on Exceedances

Parameters	Level of Exceedance	Total No. recorded in this reporting month	Total No. recorded since project commencement
1-hr TSP	Action	0	30
	Limit	0	2
24-hr TSP	Action	0	5
	Limit	0	1
Water Quality	Action	0	6
	Limit	0	1
Impact Dolphin Monitoring	Action	0	9
	Limit	0	8

Table L2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (April 2017)	0	0	0
Total No. received since project commencement	14	0	0

Contract No. HY/2012/08
Tuen Mun – Chek Lap Kok Link –
Northern Connection Sub-sea Tunnel Section

ENVIRONMENTAL COMPLAINT/ENQUIRY INVESTIGATION REPORT

Our Reference: 0212330_Complaint LOG_20170328_13

Basic Information of Complaint/Enquiry

Reference Number:	Not disclosed
Date of Complaint/Enquiry Received	27 March 2017
Location of Complaint/Enquiry	Site near HKBCF of HZMB
Nature of Complaint/Enquiry	Noise nuisance and water pollution
Complaint/Enquiry Received by	EPD
Via	Not disclosed
Complainant/Enquirer	Not disclosed

Details of Complaint/Enquiry

On 27 March 2017, a complaint case was received by EPD regarding intermittent noise nuisance from the site near HKBCF of HZMB from 10:00pm on 26 March 2017 to the mid-night on 27 March 2017 and water pollution at the sea observed in the morning on 27 March 2017. The SOR, the Environmental Team (ET) and the Contractor(DBJV) received the complaint notification from IEC on 28 March 2017. The ET was informed that the case is categorized as complaint in nature upon the investigation, discussion and agreement between relevant parties (i.e. the Contractor (DBJV), SOR and IEC).

Investigation Report

Upon receiving the case notification from IEC on 28 March 2017, the Contractor had promptly checked the construction programme of March 2017.

According to the construction programme provided by the Contractor, the major construction works during the incident period were cutter soil mixing(CSM) ground treatment. Interview with the night time staff has been conducted. Cutter soil mixing rig and grout pump were being used. The construction works and the use of the above powered mechanical equipment were complied with the condition of current construction noise permit GW-RS0165-17. The construction programme is provided in Annex B. As the incident area is about 2.5km from the site, it is expected that there would not be any significant noise impact caused by this Contract.

Moreover, the water pollution at the sea shown in the photo provided by IEC *(Provided in Annex A)* is not likely to be related to this Contract since the site shown in the photo is not the site of this Contract. The incident area is also far away from the site of this Contract. Moreover, no marine works were undertaken at Southern Landfall during the incident period. Site investigation was conducted with SOR and DBJV on 19 April 2017. No improper discharge was observed. Wetsep records are provided in Annex F. A location map showing the distance between this site and the incident area is shown in Annex C. The site drainage plan showing the discharge location is shown in Annex D. Moreover, no contract-related marine traffic in the concerned waters was recorded according to the marine travel route record. The marine travel route record is provided in Annex E.

Based on the above, there is no evidence to prove that the complaint case is related to this Contract.

Mitigation Measures and Follow-Up Actions Recommended to/ Undertaken by Contractor

There is no evidence to prove that the complaint case is related to this Contract.

Nevertheless, The Contractor has been reminded to adhere strictly to implement all relevant mitigation measures of noise impact recommended or specified in the EP (EP-354/2009/D), the approved EIA and the Updated EM&A Manual of this Project to avoid causing noise pollution. No other additional action is required. The Contractor shall also fully comply with the conditions in the approved CNP to carry out construction works under the Contract.

The Contractor has also been reminded to adhere strictly to implement all relevant mitigation measures of water quality impact recommended or specified in the EP (EP-354/2009/D), the approved EIA, Updated EM&A Manual and the Water Discharge License of this Project to avoid causing water pollution. The Contractor shall also fully comply with the conditions in the approved water discharge license to carry out construction works under the Contract.

Date of File Closed : 11 May 2017

Approved and Filed by:

(Jovy Tam, ET Leader)
Date: 11 May 2017

Annex A

Photo record

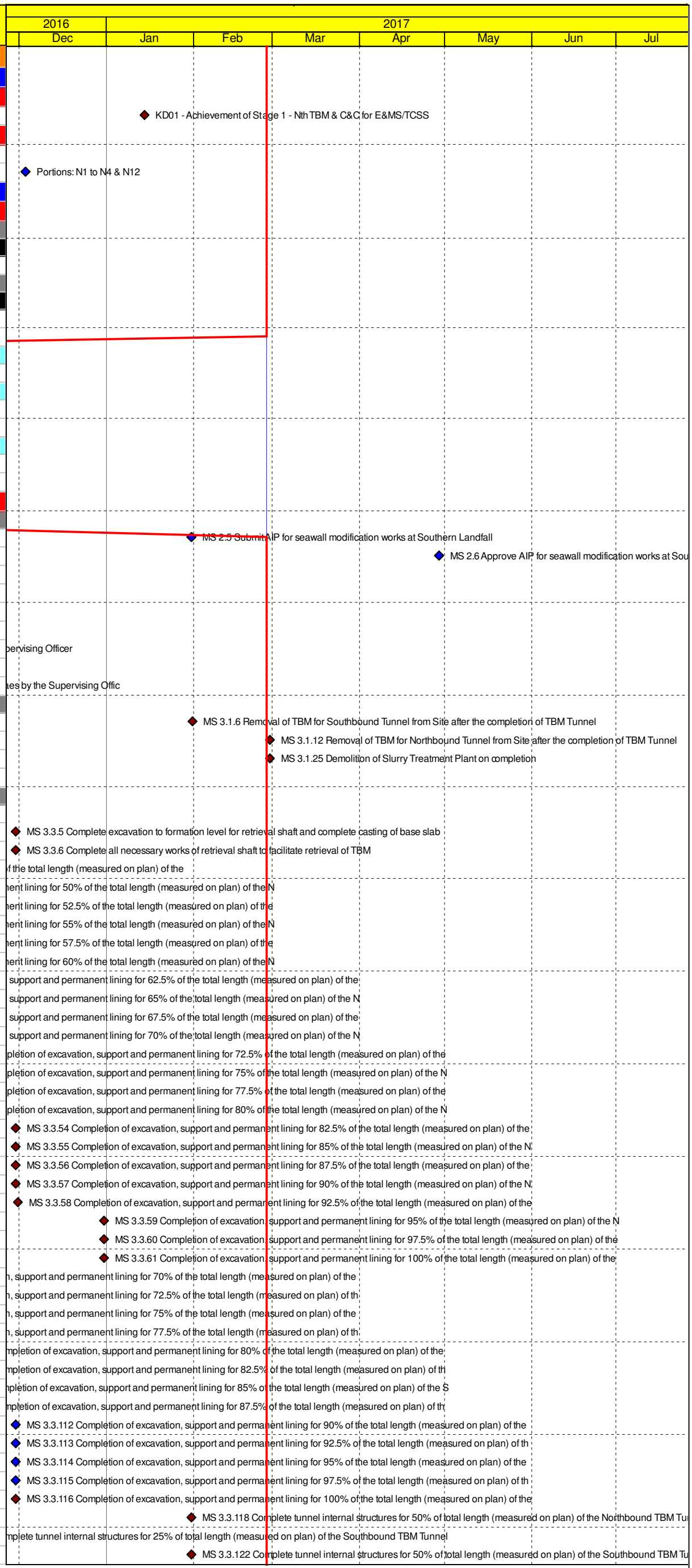
ERM

Annex A Photo provided by IEC

Annex B

Construction Programme

Activity Name
TMCLK - Northern Connection Sub-Sea Tunnel Section
Contract Dates
Commencement and Completion Dates
KD01 - Achievement of Stage 1 - Nth TBM & C&C for E&MS/TCSS
Site Possession Date
Portions: X1,(N10,11,13 & 14) - Sth Landfall
Portions: N1 to N4 & N12
General Submissions
Environmental
Environmental Permit Submissions
Supplementary WMP of C&C Tunnel at Sth.Landfall
Supplementary WMP of C&C Tunnel at Sth.Landfall
Sediment Quality Report/Dumping Permit
Southern Landfall
Southern landfall - Commencement of Shaft & C&C Tunnel Dwall
Southern Landfall - Commencement of Retrieval Shaft Excavation
Sediment Sampling & Testing Plan (SSTP) - if required
Complete SSTP and Obtain EPD's approval
Sediment Quality Report (SQR) - if required
Advance Ground Investigation works for Sediment sampling
Sediment Sample Testing & Report preparation
Dumping Permit for Load Dumping (Loading Permit) - if required
Finalize the applivation document and submit to EPD - for Dwall
Notify the results and issue Loading Permit for Local & Cross Boundary Crossing - for Dwall
PAYMENT MILESTONE
Design and Design Checking of the Works
MS 2.5 Submit AIP for seawall modification works at Southern Landfall
MS 2.6 Approve AIP for seawall modification works at Southern Landfall by the Supervising Officer
MS 2.44 Approve DDA for South Ventilation Building by the Supervising Officer
MS 2.52 Approve DDA for Facilities Provision for TCSS by the Supervising Officer
MS 2.60 Approve DDA for Drainage, Sewerage, Waterworks and Utilities at Northern Landfall by the Supervis
MS 2.69 Submit draft Operation and Maintenance Manual for all Tunnels and Cross Passgaes
MS 2.70 Accept Operation and Maintenance Manual for all Tunnels and Cross Passgaes by the Supervising
MS 2.71 Submit draft Operation and Maintenance Manual for all works except Tunnels and Cross Passgaes
MS 2.72 Accept Operation and Maintenance Manual for all works except Tunnels and Cross Passgaes by the
Tunnel Boring Machine (TBM) and Back-up Equipment for TBM Tunnel
MS 3.1.6 Removal of TBM for Southbound Tunnel from Site after the completion of TBM Tunnel
MS 3.1.12 Removal of TBM for Northbound Tunnel from Site after the completion of TBM Tunnel
MS 3.1.25 Demolition of Slurry Treatment Plant on completion
MS 3.1.26 Complete the whole of the activities under this Cost Centre Part to the satisfaction of the Supervisin
TBM Tunnel
MS 3.3.4 Complete walls of retrieval shaft
MS 3.3.5 Complete excavation to formation level for retrieval shaft and complete casting of base slab
MS 3.3.6 Complete all necessary works of retrieval shaft to facilitate retrieval of TBM
MS 3.3.40 Completion of excavation, support and permanent lining for 47.5% of the total length (measured o
MS 3.3.41 Completion of excavation, support and permanent lining for 50% of the total length (measured on
MS 3.3.42 Completion of excavation, support and permanent lining for 52.5% of the total length (measured o
MS 3.3.43 Completion of excavation, support and permanent lining for 55% of the total length (measured on
MS 3.3.44 Completion of excavation, support and permanent lining for 57.5% of the total length (measured o
MS 3.3.45 Completion of excavation, support and permanent lining for 60% of the total length (measured on
MS 3.3.46 Completion of excavation, support and permanent lining for 62.5% of the total length (measured o
MS 3.3.47 Completion of excavation, support and permanent lining for 65% of the total length (measured on
MS 3.3.48 Completion of excavation, support and permanent lining for 67.5% of the total length (measured o
MS 3.3.49 Completion of excavation, support and permanent lining for 70% of the total length (measured on
MS 3.3.50 Completion of excavation, support and permanent lining for 72.5% of the total length (measured o
MS 3.3.51 Completion of excavation, support and permanent lining for 75% of the total length (measured on
MS 3.3.52 Completion of excavation, support and permanent lining for 77.5% of the total length (measured o
MS 3.3.53 Completion of excavation, support and permanent lining for 80% of the total length (measured on
MS 3.3.54 Completion of excavation, support and permanent lining for 82.5% of the total length (measured o
MS 3.3.55 Completion of excavation, support and permanent lining for 85% of the total length (measured on
MS 3.3.56 Completion of excavation, support and permanent lining for 87.5% of the total length (measured o
MS 3.3.57 Completion of excavation, support and permanent lining for 90% of the total length (measured on
MS 3.3.58 Completion of excavation, support and permanent lining for 92.5% of the total length (measured o
MS 3.3.59 Completion of excavation, support and permanent lining for 95% of the total length (measured on
MS 3.3.60 Completion of excavation, support and permanent lining for 97.5% of the total length (measured o
MS 3.3.61 Completion of excavation, support and permanent lining for 100% of the total length (measured or
MS 3.3.104 Completion of excavation, support and permanent lining for 70% of the total length (measured or
MS 3.3.105 Completion of excavation, support and permanent lining for 72.5% of the total length (measured
MS 3.3.106 Completion of excavation, support and permanent lining for 75% of the total length (measured or
MS 3.3.107 Completion of excavation, support and permanent lining for 77.5% of the total length (measured
MS 3.3.108 Completion of excavation, support and permanent lining for 80% of the total length (measured or
MS 3.3.109 Completion of excavation, support and permanent lining for 82.5% of the total length (measured
MS 3.3.110Completion of excavation, support and permanent lining for 85% of the total length (measured on
MS 3.3.111 Completion of excavation, support and permanent lining for 87.5% of the total length (measured
MS 3.3.112 Completion of excavation, support and permanent lining for 90% of the total length (measured on
MS 3.3.113 Completion of excavation, support and permanent lining for 92.5% of the total length (measured
MS 3.3.114 Completion of excavation, support and permanent lining for 95% of the total length (measured on
MS 3.3.115 Completion of excavation, support and permanent lining for 97.5% of the total length (measured
MS 3.3.116 Completion of excavation, support and permanent lining for 100% of the total length (measured o
MS 3.3.118 Complete tunnel internal structures for 50% of total length (measured on plan) of the Northbound
MS 3.3.121 Complete tunnel internal structures for 25% of total length (measured on plan) of the Southbound
MS 3.3.122 Complete tunnel internal structures for 50% of total length (measured on plan) of the Southbound



Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

Three Months Rolling Programme

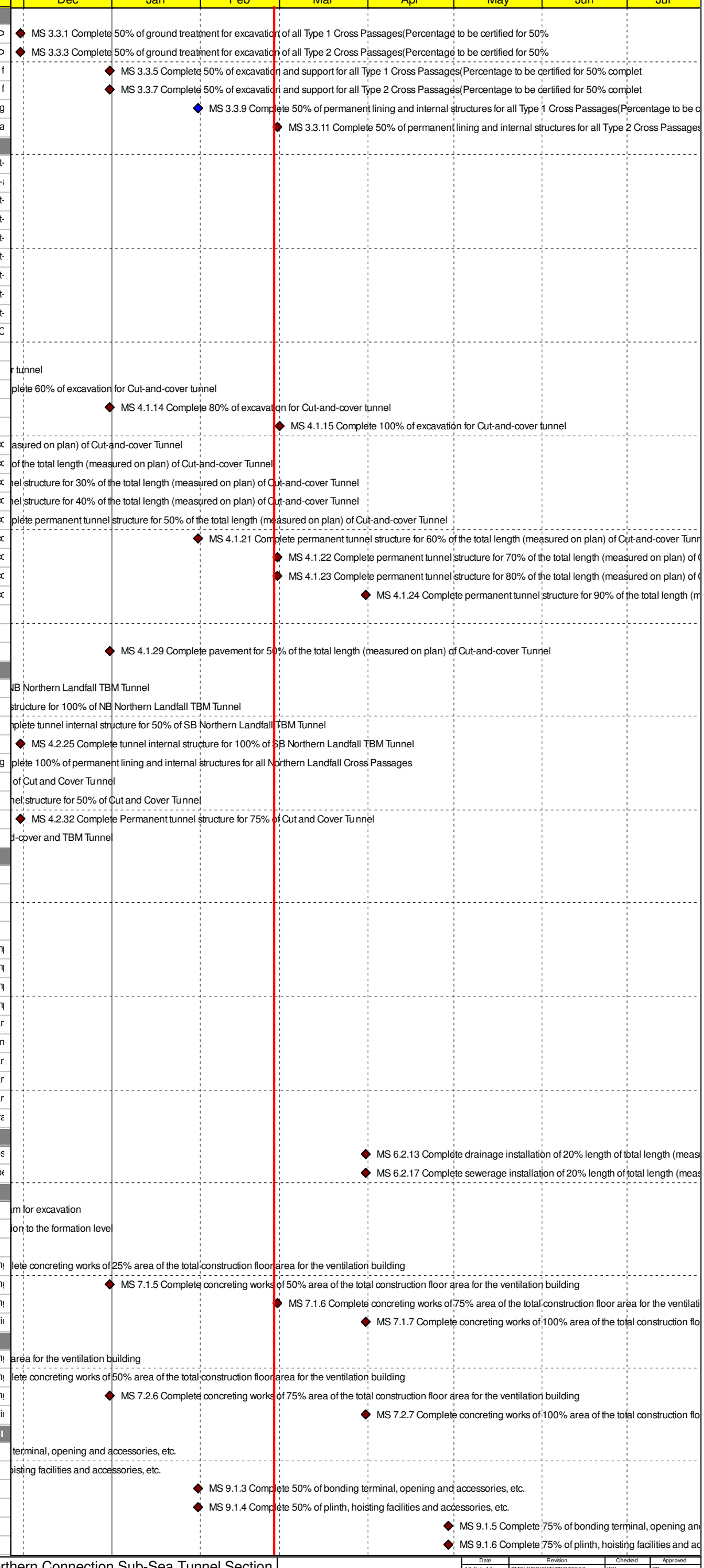
Progress as of 26-Feb-17

香寶嘉 Dragages HongKong
A member of the Bouygues Construction group
Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

BOUYGUES TRAVAUX PUBLICS

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJ/GEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJ/GEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJ/GEN/PRG/98507 Rev.F	WYu	

Activity Name
Cross Passages for TBM Tunnel
MS 3.3.1 Complete 50% of ground treatment for excavation of all Type 1 Cross Passages(Percentage to be c
MS 3.3.3 Complete 50% of ground treatment for excavation of all Type 2 Cross Passages(Percentage to be c
MS 3.3.5 Complete 50% of excavation and support for all Type 1 Cross Passages(Percentage to be certified f
MS 3.3.7 Complete 50% of excavation and support for all Type 2 Cross Passages(Percentage to be certified f
MS 3.3.9 Complete 50% of permanent lining and internal structures for all Type 1 Cross Passages(Percentag
MS 3.3.11 Complete 50% of permanent lining and internal structures for all Type 2 Cross Passages(Percenta
Cut-and-cover Tunnels at Southern Landfalls
MS 4.1.1 Complete 10% of total length (measured on plan) of temporary retaining walls for excavation of Cut-
MS 4.1.2 Complete 20% of total length (measured on plan)of temporary retaining walls for excavation of Cut-a
MS 4.1.3 Complete 30% of total length (measured on plan) of temporary retaining walls for excavation of Cut-
MS 4.1.4 Complete 40% of total length (measured on plan) of temporary retaining walls for excavation of Cut-
MS 4.1.5 Complete 50% of total length (measured on plan) of temporary retaining walls for excavation of Cut-
MS 4.1.6 Complete 60% of total length (measured on plan) of temporary retaining walls for excavation of Cut-
MS 4.1.7 Complete 70% of total length (measured on plan) of temporary retaining walls for excavation of Cut-
MS 4.1.8 Complete 80% of total length (measured on plan) of temporary retaining walls for excavation of Cut-
MS 4.1.9 Complete 90% of total length (measured on plan) of temporary retaining walls for excavation of Cut-
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
MS 4.1.13 Complete 60% of excavation for Cut-and-cover tunnel
MS 4.1.14 Complete 80% of excavation for Cut-and-cover tunnel
MS 4.1.15 Complete 100% of excavation for Cut-and-cover tunnel
MS 4.1.16 Complete permanent tunnel structure for 10% of the total length (measured on plan) of Cut-and-cc
MS 4.1.17 Complete permanent tunnel structure for 20% of the total length (measured on plan) of Cut-and-cc
MS 4.1.18 Complete permanent tunnel structure for 30% of the total length (measured on plan) of Cut-and-cc
MS 4.1.19 Complete permanent tunnel structure for 40% of the total length (measured on plan) of Cut-and-cc
MS 4.1.20 Complete permanent tunnel structure for 50% of the total length (measured on plan) of Cut-and-cc
MS 4.1.21 Complete permanent tunnel structure for 60% of the total length (measured on plan) of Cut-and-cc
MS 4.1.22 Complete permanent tunnel structure for 70% of the total length (measured on plan) of Cut-and-cc
MS 4.1.23 Complete permanent tunnel structure for 80% of the total length (measured on plan) of Cut-and-cc
MS 4.1.24 Complete permanent tunnel structure for 90% of the total length (measured on plan) of Cut-and-cc
MS 4.1.26 Complete excavation for 50% of total length (measured on plan) of all Cross Passages
MS 4.1.27 Complete excavation for 100% of total length (measured on plan) of all Cross Passages
MS 4.1.29 Complete pavement for 50% of the total length (measured on plan) of Cut-and-cover Tunnel
Cut-and-cover Tunnel at Northern Landfall
MS 4.2.22 Complete tunnel internal structure for 50% of NB Northern Landfall TBM Tunnel
MS 4.2.23 Complete tunnel internal structure for 100% of NB Northern Landfall TBM Tunnel
MS 4.2.24 Complete tunnel internal structure for 50% of SB Northern Landfall TBM Tunnel
MS 4.2.25 Complete tunnel internal structure for 100% of SB Northern Landfall TBM Tunnel
MS 4.2.29 Complete 100% of permanent lining and internal structures for all Northern Landfall Cross Passag
MS 4.2.30 Complete Permanent tunnel structure for 25% of Cut and Cover Tunnel
MS 4.2.31 Complete Permanent tunnel structure for 50% of Cut and Cover Tunnel
MS 4.2.32 Complete Permanent tunnel structure for 75% of Cut and Cover Tunnel
MS 4.2.34 Complete Permanent junction structure at interface between Cut-and-cover and TBM Tunnel
Approach Ramp Structures to Cut-and-cover Tunnel at Southern Landfall
MS 5.1.2 Complete 40% of excavation for approach ramp structures
MS 5.1.3 Complete 60% of excavation for approach ramp structures
MS 5.1.4 Complete 80% of excavation for approach ramp structures
MS 5.1.5 Complete 100% of excavation for approach ramp structures
MS 5.1.6 Complete retaining wall foundation for 10% of the total length (measured on plan) of approach ramp
MS 5.1.7 Complete retaining wall foundation for 20% of the total length (measured on plan) of approach ramp
MS 5.1.8 Complete retaining wall foundation for 30% of the total length (measured on plan) of approach ramp
MS 5.1.9 Complete retaining wall foundation for 40% of the total length (measured on plan) of approach ramp
MS 5.1.10 Complete retaining wall foundation for 50% of the total length (measured on plan) of approach rar
MS 5.1.11 Complete retaining wall foundation for 60% of the total length (measured on plan) of approach ran
MS 5.1.12 Complete retaining wall foundation for 70% of the total length (measured on plan) of approach rar
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 (measured on plan) of approach ra
At grade Roads at Northern Landfall
MS 6.2.13 Complete drainage installation of 20% length of total length (measured on plan) of drainage pipes
MS 6.2.17 Complete sewerage installation of 20% length of total length (measured on plan) of sewerage pipe
South Ventilation Buildings
MS 7.1.1 Complete 100% of cofferdam for excavation
MS 7.1.2 Complete 100% of excavation to the formation level
MS 7.1.3 Complete 100% of foundation for the ventilation building
MS 7.1.4 Complete concreting works of 25% area of the total construction floor area for the ventilation building
MS 7.1.5 Complete concreting works of 50% area of the total construction floor area for the ventilation building
MS 7.1.6 Complete concreting works of 75% area of the total construction floor area for the ventilation building
MS 7.1.7 Complete concreting works of 100% area of the total construction floor area for the ventilation buildi
North Ventilation Buildings
MS 7.2.4 Complete concreting works of 25% area of the total construction floor area for the ventilation building
MS 7.2.5 Complete concreting works of 50% area of the total 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
MS 7.2.7 Complete concreting works of 100% area of the total construction floor area for the ventilation buildi
Facilities Provision for E&M Works for TBM Tunnel, Cut & Cover Tunnels and Cı
MS 9.1.1 Complete 25% of bonding terminal, opening and accessories, etc.
MS 9.1.2 Complete 25% of plinth, hoisting facilities and accessories, etc.
MS 9.1.3 Complete 50% of bonding terminal, opening and accessories, etc.
MS 9.1.4 Complete 50% of plinth, hoisting facilities and accessories, etc.
MS 9.1.5 Complete 75% of bonding terminal, opening and accessories, etc.
MS 9.1.6 Complete 75% of plinth, hoisting facilities and accessories, etc.



Project ID: TMCLK DWPF 16W25

Data Date: 26-Feb-17

Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

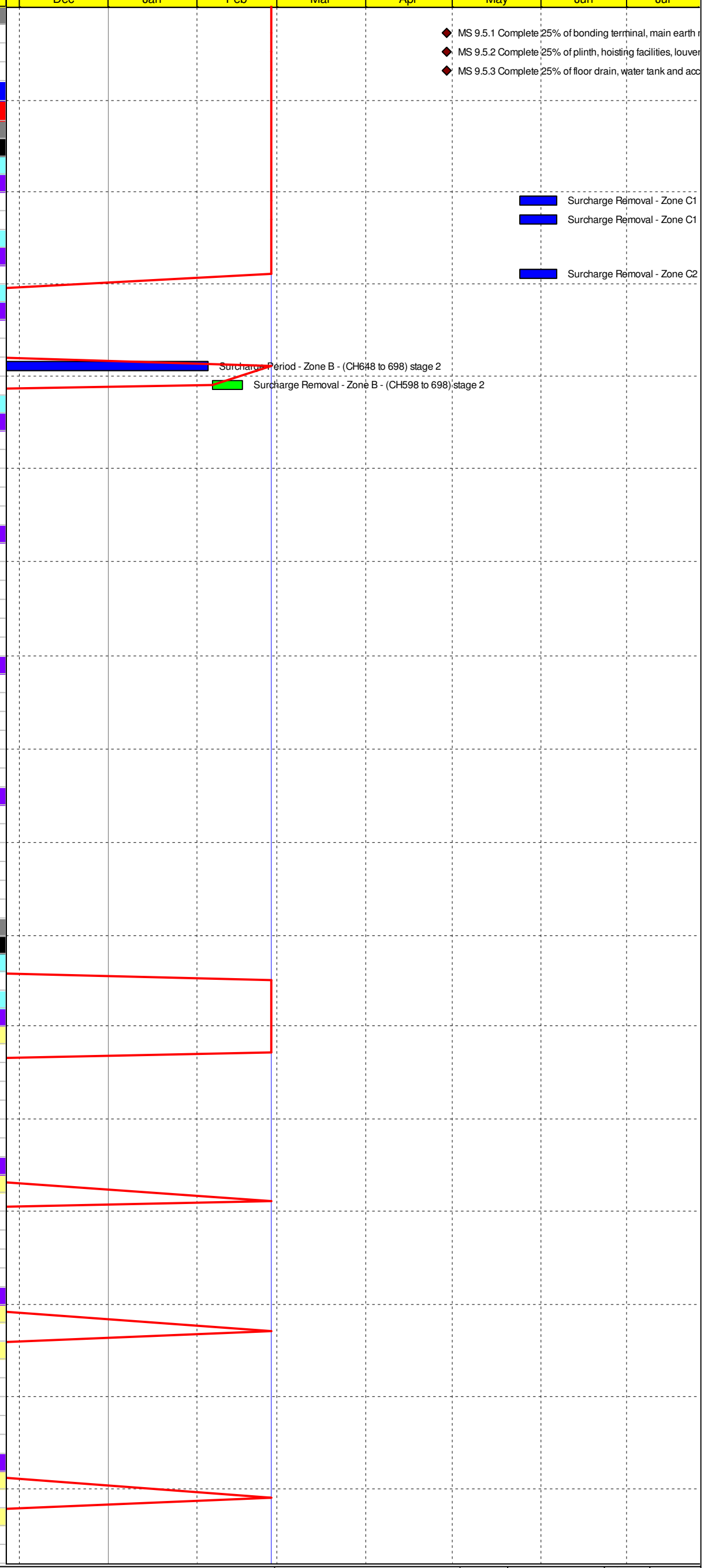
Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJGEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJGEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJGEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJGEN/PRG/98507 Rev.F	WYu	

Activity Name
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
MS 9.5.2 Complete 25% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.
MS 9.5.3 Complete 25% of floor drain, water tank and accessories, etc.
Construction
Northern Landfall
North Reclamation (Phase 1)
Construction
Zone C1
Reclamation
Surcharge Removal - Zone C1 - (CH493 to 543)
Surcharge Removal - Zone C1 - (CH493 to 543)
Zone C2
Reclamation
Surcharge Removal - Zone C2 - (CH543 to 598)
Zone B
Reclamation
Surcharge Removal - Zone B - (CH598 to 648)
Surcharge Removal - Zone B - (CH598 to 698) stage 1
Surcharge Period - Zone B - (CH648 to 698) stage 2
Surcharge Removal - Zone B - (CH598 to 698) stage 2
Zone F
CH184 to CH231
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
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
F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH231 to CH278
F - Backfilling up to +6.0mPD to Anchor Wall - CH231 to CH278
F - Backfilling to +6.0mPD to Existing Seawall - CH231 to CH278
CH278 to CH327
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 Anchor 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
F - Backfilling to +6.0mPD to Existing Seawall - CH327 to CH381
Box Culvert Extension
Construction
Ch000-010 Culvert Outfall
Removal of temporary bulk head
CH100-150 Land Section
Pile A41/A39 CJ to Pile A39/A37 CJ
Box Culvert Structure
Pile cap construction
Base slab construction including kicker
Removal of strut S1
Sliding formworks 1st assembly
Walls & top slab construction
Removal of strut S2 & Backfilling up to required level
Pile A39/A37 CJ to Pile A37/A35 CJ
Box Culvert Structure
Pile cap construction
Base slab construction including kicker
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
ELS
Excavation to FEL
Box Culvert Structure
Pile cap construction
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Removal of strut S2 & Backfilling up to required level
Pile A35/A33 CJ to Pile A33/P117 CJ
ELS
Excavation to FEL
Box Culvert Structure
Pile cap construction
Base slab construction including kicker



Project ID: TMCLK DWPF 16W25

Data Date: 26-Feb-17

Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

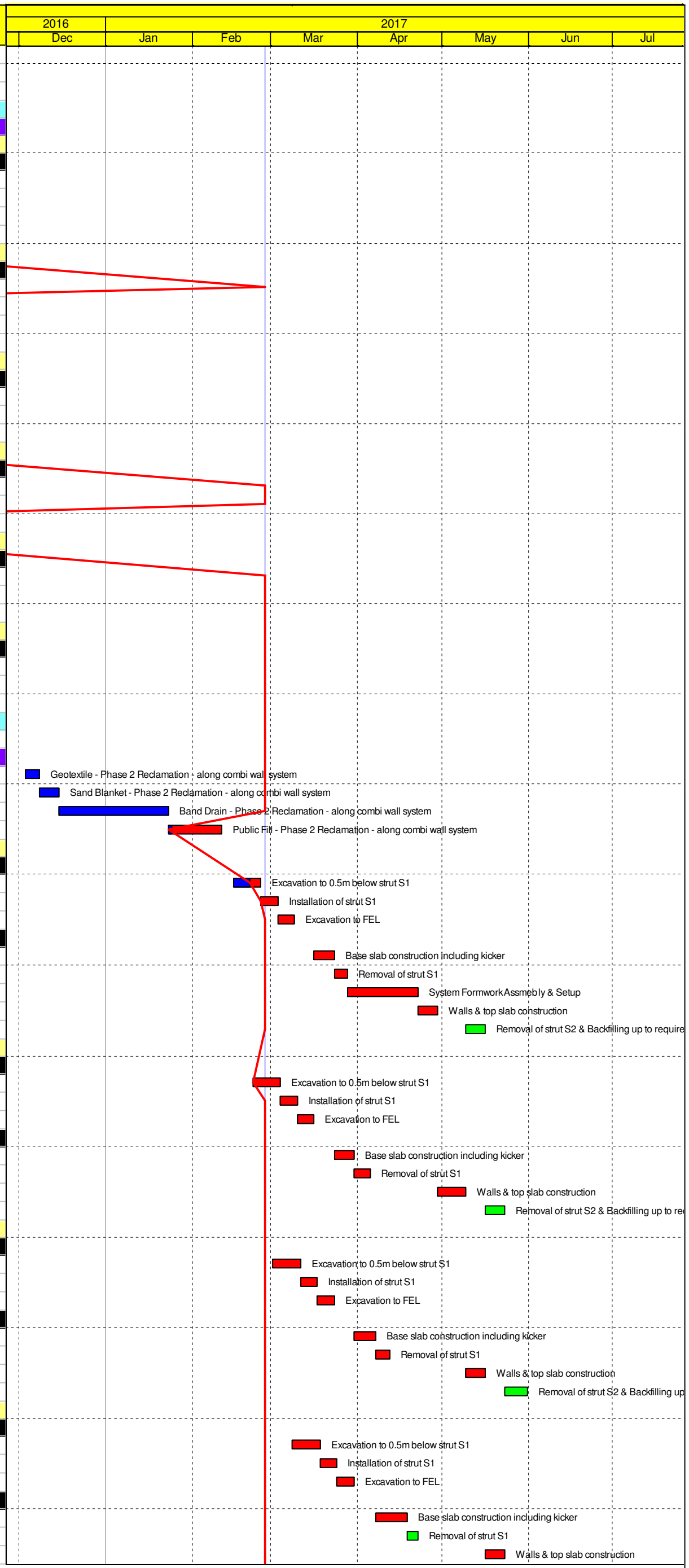
Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJ/GEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJ/GEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJ/GEN/PRG/98507 Rev.F	WYu	

Activity Name
Removal of strut S1
Walls & top slab construction
Removal of strut S2 & Backfilling up to required level
Ch150-250 Marine Section
ELS & Structure
Pile A33/P117 CJ to Pile P113/P109 CJ
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Removal of strut S2 & Backfilling up to required level
Pile P113/P109 CJ to Pile P105/P101 CJ
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Removal of strut S2 & Backfilling up to required level
Pile P105/P101 CJ to Pile P97/P93 CJ
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Pile P97/P93 CJ to Pile P89/P85 CJ
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Pile P89/P85 CJ to Pile P81/P77 CJ
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Pile P81/P77 CJ to Pile P73/P69 CJ
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Ch250-380 Marine Section
New Activity
ELS & Structure
Geotextile - Phase 2 Reclamation - along combi wall system
Sand Blanket - Phase 2 Reclamation - along combi wall system
Band Drain - Phase 2 Reclamation - along combi wall system
Public Fill - Phase 2 Reclamation - along combi wall system
Pile P73/P69 CJ to Pile P65/P61 CJ
ELS
Excavation to 0.5m below strut S1
Installation of strut S1
Excavation to FEL
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
System Formwork Assmebly & Setup
Walls & top slab construction
Removal of strut S2 & Backfilling up to required level
Pile P65/P61 CJ to Pile P57/P53 CJ
ELS
Excavation to 0.5m below strut S1
Installation of strut S1
Excavation to FEL
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Removal of strut S2 & Backfilling up to required level
Pile P57/P53 CJ to Pile P49/P45 CJ
ELS
Excavation to 0.5m below strut S1
Installation of strut S1
Excavation to FEL
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Removal of strut S2 & Backfilling up to required level
Pile P49/P45 CJ to Pile P41/P37 CJ
ELS
Excavation to 0.5m below strut S1
Installation of strut S1
Excavation to FEL
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction



Project ID: TMCLK DWPF 16W25

Data Date: 26-Feb-17

Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

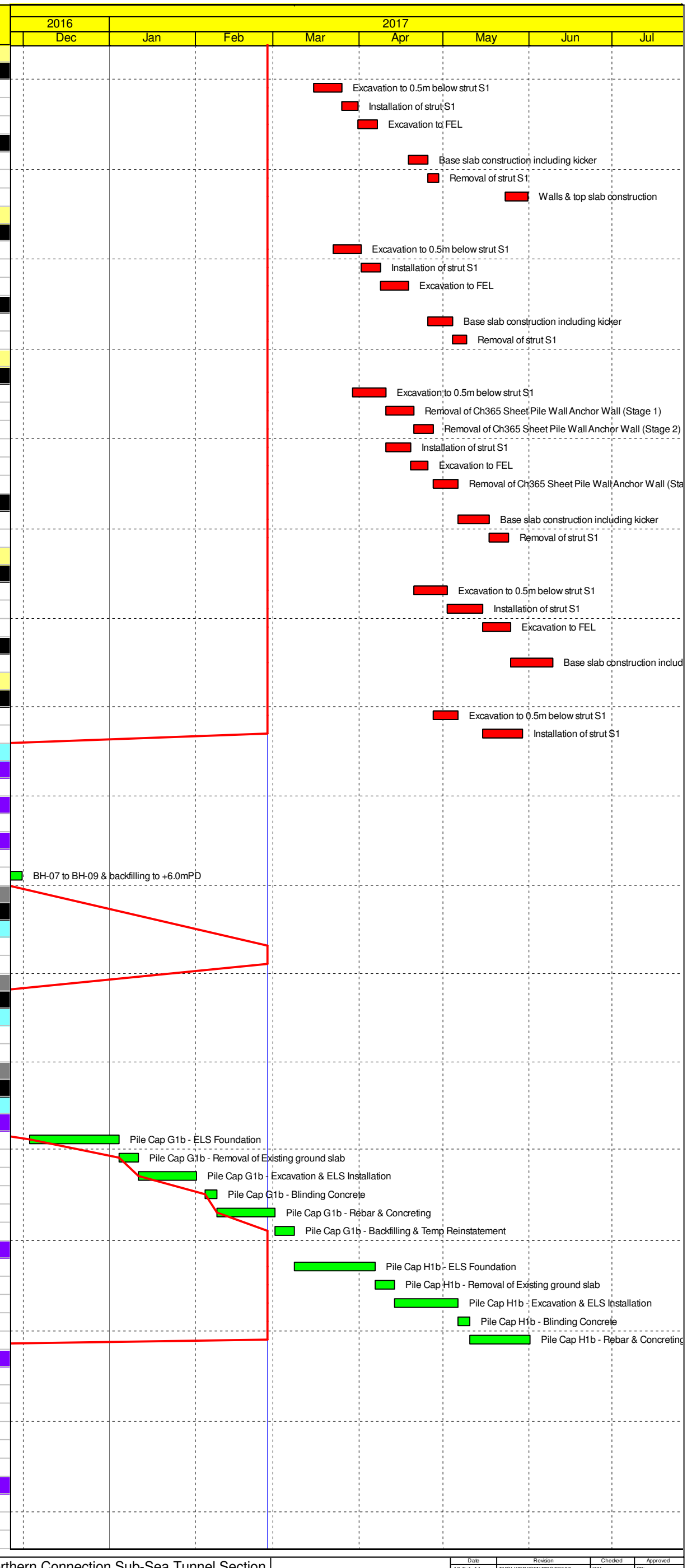
Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJ/GEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJ/GEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJ/GEN/PRG/98507 Rev.F	WYu	

Activity Name
Pile P41/P37 CJ to Pile P33/P29 CJ
ELS
Excavation to 0.5m below strut S1
Installation of strut S1
Excavation to FEL
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Walls & top slab construction
Pile P33/P29 CJ to Pile P25/P21 CJ
ELS
Excavation to 0.5m below strut S1
Installation of strut S1
Excavation to FEL
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Pile P25/P21 CJ to Pile P17/P13 CJ
ELS
Excavation to 0.5m below strut S1
Removal of Ch365 Sheet Pile Wall Anchor Wall (Stage 1)
Removal of Ch365 Sheet Pile Wall Anchor Wall (Stage 2)
Installation of strut S1
Excavation to FEL
Removal of Ch365 Sheet Pile Wall Anchor Wall (Stage 3)
Box Culvert Structure
Base slab construction including kicker
Removal of strut S1
Pile P17/P13 CJ to Pile P09/P05 CJ
ELS
Excavation to 0.5m below strut S1
Installation of strut S1
Excavation to FEL
Box Culvert Structure
Base slab construction including kicker
Pile P09/P05 CJ to End Wall CJ
ELS
Excavation to 0.5m below strut S1
Installation of strut S1
Miscellaneous works
Inspection Manhole (IM)
Inspection Manhole IM-01 to IM-04 & backfilling to +6.0mPD
Stop Log Opening (SLO)
SLO-01 to SLO-05 & backfilling to +6.0mPD
Balance Hole (BH)
BH-01 to BH-03 & backfilling to +6.0mPD
BH-07 to BH-09 & backfilling to +6.0mPD
North Launching Shaft
Design Submission
(C1) DDA for North C&C Tunnel Permanent Structure
SO's Review
SO Approval with Condition Received
North Ventilation Shaft
Construction
North Ventilation Shaft Structure
NVS - ML03 Tunnel Structure
NVS - ML02 Tunnel Structure
TMCLK VO-008 - Construction of Viaduct Foundations at Portion N6A
Viaduct Pile Cap
Construction
Pier G1b
Pile Cap G1b - ELS Foundation
Pile Cap G1b - Removal of Existing ground slab
Pile Cap G1b - Excavation & ELS Installation
Pile Cap G1b - Blinding Concrete
Pile Cap G1b - Rebar & Concreting
Pile Cap G1b - Backfilling & Temp Reinstatement
Pier H1b
Pile Cap H1b - ELS Foundation
Pile Cap H1b - Removal of Existing ground slab
Pile Cap H1b - Excavation & ELS Installation
Pile Cap H1b - Blinding Concrete
Pile Cap H1b - Rebar & Concreting
Pier G1c
Pile Cap G1c - Preparation for ELS
Pile Cap G1c - Removal of Existing ground slab
Pile Cap G1c - Excavation & ELS Installation
Pile Cap G1c - Blinding Concrete
Pile Cap G1c - Rebar & Concreting
Pile Cap G1c - Backfilling & Temp Reinstatement
Pier H1c
Pile Cap H1c - Preparation for ELS
Pile Cap H1c - Removal of Existing ground slab
Pile Cap H1c - Excavation & ELS Installation



Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

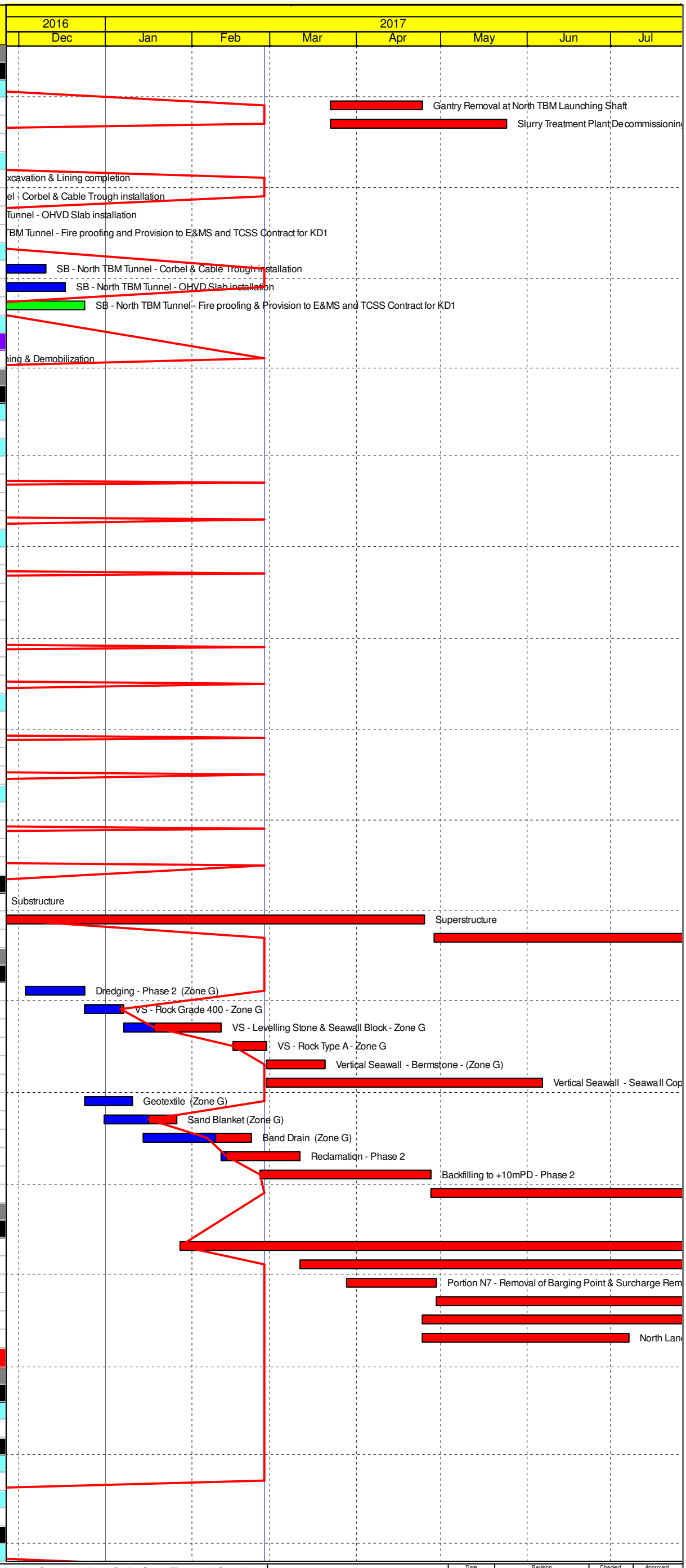
Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJ/GEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJ/GEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJ/GEN/PRG/98507 Rev.F	WYu	

Activity Name
North Approach TBM Tunnelling & Cross Passage
Construction
Northern Landfall Surface Setup for TBM operation
Gantry Removal at North TBM Launching Shaft
Slurry Treatment Plant Decommissioning & Removal
Gantry Removal at North Ventilation Shaft
North Approach Tunnel Internal Structure - NB
CP51 - Excavation & Lining completion
NB - North TBM Tunnel - Corbel & Cable Trough installation
NB - North TBM Tunnel - OHVD Slab installation
NB - North TBM Tunnel - Fire proofing and Provision to E&MS and TCSS Contract for KD1
North Approach Tunnel Internal Structure - SB
SB - North TBM Tunnel - Corbel & Cable Trough installation
SB - North TBM Tunnel - OHVD Slab installation
SB - North TBM Tunnel - Fire proofing & Provision to E&MS and TCSS Contract for KD1
North Approach Cross Passage
CP51 - Traditional Method
CP Finishing & Demobilization
North Ventilation Building
Design Submission
(A11) Submissons to Design Advisory Panel of ArchSD
ArchSD's comment
(I1) DDA for North Vent.Bldgs. GBP & Arch.Submission
IPs Review
IP's No Objection Received
SO's Review
SO Approval with Condition Received
(I1) DDA for North & South Vent.Bldg. ABWF works
Designer to Reply RtC + Update Submission
Submit Updated DDA to SO/ ICE/ IPs
ICE Approval & Issue Check Cert
Submit ICE Check Cert to SO
IPs Review
IP's No Objection Received
SO's Review
SO Approval with Condition Received
(I2) DDA for North Vent.Bldgs.Structural Design incl.Vent.Connections
IPs Review
IP's No Objection Received
SO's Review
SO Approval with Condition Received
(I3) DDA for North & South Vent.Bldgs. Service and E&M Provision
IPs Review
IP's No Objection Received
SO's Review
SO Approval with Condition Received
Construction
Substructure
Superstructure
Finishing Works
North Reclamation (Phase 2)
Construction
Dredging - Phase 2 (Zone G)
VS - Rock Grade 400 - Zone G
VS - Levelling Stone & Seawall Block - Zone G
VS - Rock Type A - Zone G
Vertical Seawall - Bermstone - (Zone G)
Vertical Seawall - Seawall Coping - (Zone G)
Geotextile (Zone G)
Sand Blanket (Zone G)
Band Drain (Zone G)
Reclamation - Phase 2
Backfilling to +10mPD - Phase 2
Surcharge - Phase 2
North Surface Roadworks, Utility & Drainage works
Construction
North Landfall - Underground Sewerage & Drainage - Summary
North Landfall - Underground Sewerage & Drainage - Portion N5
Portion N7 - Removal of Barging Point & Surcharge Removal to +6mPD
North Landfall - Underground Sewerage & Drainage - Portion N7
North Landfall - Watermain & Undergournd Utilities - Summary
North Landfall - Watermain & Undergournd Utilities - Zone E
Sub-sea Tunnel
Sub-sea TBM Tunnelling
Major Procurement
Precast Semgnet ID12.40 - Production for Sub-sea TBM Tunnel
ID12.40 TBM Segment Ring Fabrication - 12 rings per day
Design Submission
(G1) DDA for TBM Tunnel Lining Structural Design - Sub-sea tunnel
Sub-sea TBM Tunnel Segment - Fabrication
(G3) DDA for TBM Tunnel Internal Structures (Sub-sea)
Sub-sea Tunnel - Precast Gallery Fabrication
Construction
Sub-sea TBM Tunnel - NB ID12.2m - S881



Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

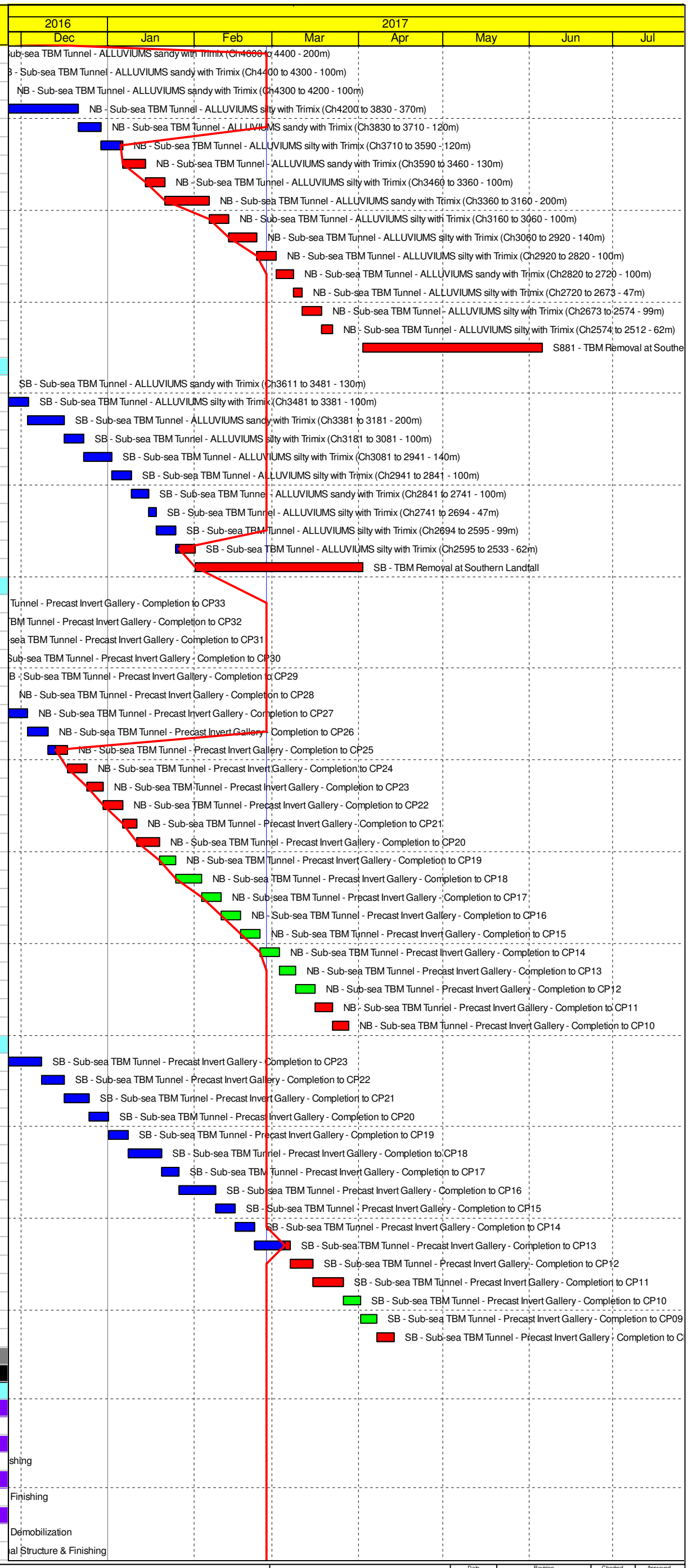
Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJ/GEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJ/GEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJ/GEN/PRG/98507 Rev.F	WYu	

Activity Name
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch4600 to 4400 - 200m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch4400 to 4300 - 100m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch4300 to 4200 - 100m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch4200 to 3830 - 370m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3830 to 3710 - 120m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3710 to 3590 - 120m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3590 to 3460 - 130m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3460 to 3360 - 100m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3360 to 3160 - 200m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3160 to 3060 - 100m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3060 to 2920 - 140m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2920 to 2820 - 100m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch2820 to 2720 - 100m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2720 to 2673 - 47m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2673 to 2574 - 99m)
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2574 to 2512 - 62m)
S881 - TBM Removal at Southern Landfall
Sub-sea TBM Tunnel - SB ID12.2m - S882
SB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3611 to 3481 - 130m)
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3481 to 3381 - 100m)
SB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3381 to 3181 - 200m)
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3181 to 3081 - 100m)
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3081 to 2941 - 140m)
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2941 to 2841 - 100m)
SB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch2841 to 2741 - 100m)
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2741 to 2694 - 47m)
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2694 to 2595 - 99m)
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2595 to 2533 - 62m)
SB - TBM Removal at Southern Landfall
Sub-sea TBM Tunnel - NB - Precast Invert Gallery
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP33
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP32
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP31
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP30
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP29
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP28
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP27
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP26
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP25
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP24
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP23
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP22
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP21
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP20
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP19
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP18
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP17
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP16
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP15
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP14
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP13
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP12
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP11
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP10
Sub-sea TBM Tunnel - SB - Precast Invert Gallery
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP23
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP22
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP21
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP20
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP19
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP18
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP17
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP16
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP15
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP14
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP13
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP12
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP11
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP10
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP09
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP08
Sub-sea Tunnel Cross Passage & Internal Structure
Construction
Sub-sea Tunnel Cross Passage
CP47 - ML03 - Ch6390
CP - Remaining Internal Structure & Finishing
CP46 - ML03 - Ch6292
CP - Remaining Internal Structure & Finishing
CP45 - ML03 - Ch6193
CP - Remaining Internal Structure & Finishing
CP44 - ML03 - Ch6095
CP - Pipe Jacking Method - Break-out & Demobilization
CP - Remaining Internal Structure & Finishing



Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages HongKong
A member of the Bouygues Construction group
Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJ/GEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJ/GEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJ/GEN/PRG/98507 Rev.F	WYu	

Activity Name	2016 Dec	2017 Jan	Feb	Mar	Apr	May	Jun	Jul
CP43 - ML03 - Ch5996								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP42 - ML03 - Ch5898								
CP - Remaining Internal Structure & Finishing								
CP40 - ML03 - Ch5703								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP39 - ML03 - Ch5607								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP38 - ML03 - Ch5510								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP37 - ML03 - Ch5413								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP36 - ML03 - Ch5315								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP35 - ML03 - Ch5217								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP34 - ML03 - Ch5118								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP33 - ML03 - Ch5020								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP32 - ML03 - Ch4921								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP31 - ML03 - Ch4823								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP30 - ML03 - Ch4724								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP29 - ML03 - Ch4626								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP28 - ML03 - Ch4527								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP27 - ML03 - Ch4429								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP26 - ML03 - Ch4330								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP25 - ML03 - Ch4232								
CP - Pipe Jacking Method - Setup & Assembly								
CP - Piping Jacking Method - Break-in & Excavation								
CP - Pipe Jacking Method - Break-out & Demobilization								
CP - Remaining Internal Structure & Finishing								
CP24 - ML03 - Ch4133								

Project ID: TMCLK DWPF 16W25

Data Date: 26-Feb-17

Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

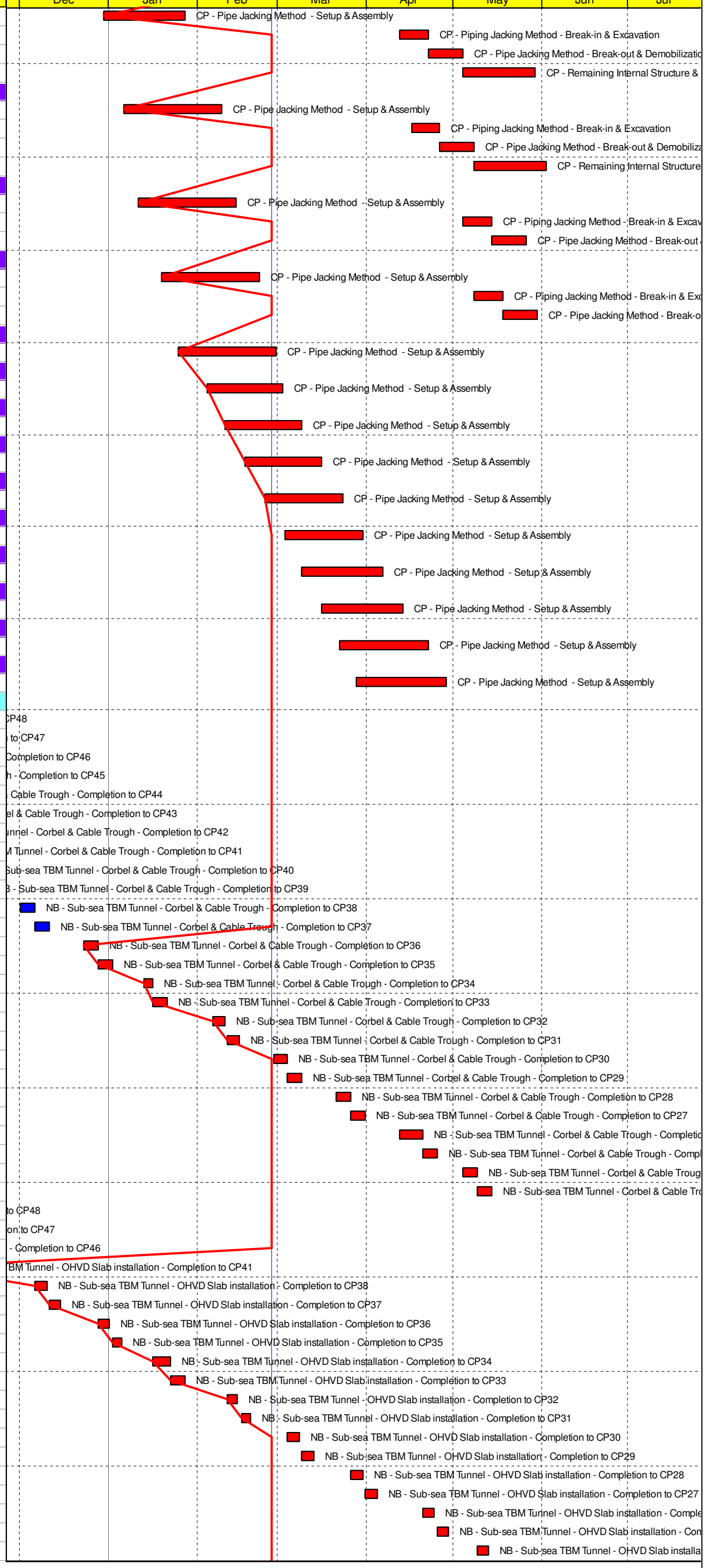
Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages HongKong 香港寶嘉
A member of the Bouygues Construction group
Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營
BOUYGUES TRAVAUX PUBLICS

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJGEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJGEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJGEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJGEN/PRG/98507 Rev.F	WYu	

Activity Name
CP - Pipe Jacking Method - Setup & Assembly
CP - Piping Jacking Method - Break-in & Excavation
CP - Pipe Jacking Method - Break-out & Demobilization
CP - Remaining Internal Structure & Finishing
CP23 - ML03 - Ch4035
CP - Pipe Jacking Method - Setup & Assembly
CP - Piping Jacking Method - Break-in & Excavation
CP - Pipe Jacking Method - Break-out & Demobilization
CP - Remaining Internal Structure & Finishing
CP22 - ML03 - Ch3936
CP - Pipe Jacking Method - Setup & Assembly
CP - Piping Jacking Method - Break-in & Excavation
CP - Pipe Jacking Method - Break-out & Demobilization
CP21 - ML03 - Ch3838
CP - Pipe Jacking Method - Setup & Assembly
CP - Piping Jacking Method - Break-in & Excavation
CP - Pipe Jacking Method - Break-out & Demobilization
CP20 - ML03 - Ch3739
CP - Pipe Jacking Method - Setup & Assembly
CP19 - ML03 - Ch3641
CP - Pipe Jacking Method - Setup & Assembly
CP18 - ML03 - Ch3542
CP - Pipe Jacking Method - Setup & Assembly
CP17 - ML03 - Ch3444
CP - Pipe Jacking Method - Setup & Assembly
CP16 - ML03 - Ch3345
CP - Pipe Jacking Method - Setup & Assembly
CP15 - ML03 - Ch3247
CP - Pipe Jacking Method - Setup & Assembly
CP14 - ML03 - Ch3148
CP - Pipe Jacking Method - Setup & Assembly
CP13 - ML03 - Ch3050
CP - Pipe Jacking Method - Setup & Assembly
CP12 - ML03 - Ch2951
CP - Pipe Jacking Method - Setup & Assembly
CP11 - ML03 - Ch2853
CP - Pipe Jacking Method - Setup & Assembly
Sub-sea TBM Tunnel - NB - Remaining Internal Structure
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP48
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP47
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP46
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP45
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP44
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP43
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP44
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP43
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP42
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP41
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP40
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP39
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP38
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP37
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP36
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP35
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP34
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP33
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP32
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP31
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP30
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP29
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP28
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP27
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP26
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP25
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP24
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP23
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP48
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP47
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP46
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP41
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP38
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP37
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP36
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP35
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP34
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP33
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP32
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP31
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP30
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP29
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP28
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP27
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP26
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP25
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP24



Project ID: TMCLK DWPF 16W25

Data Date: 26-Feb-17

Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages HongKong 香寶嘉港

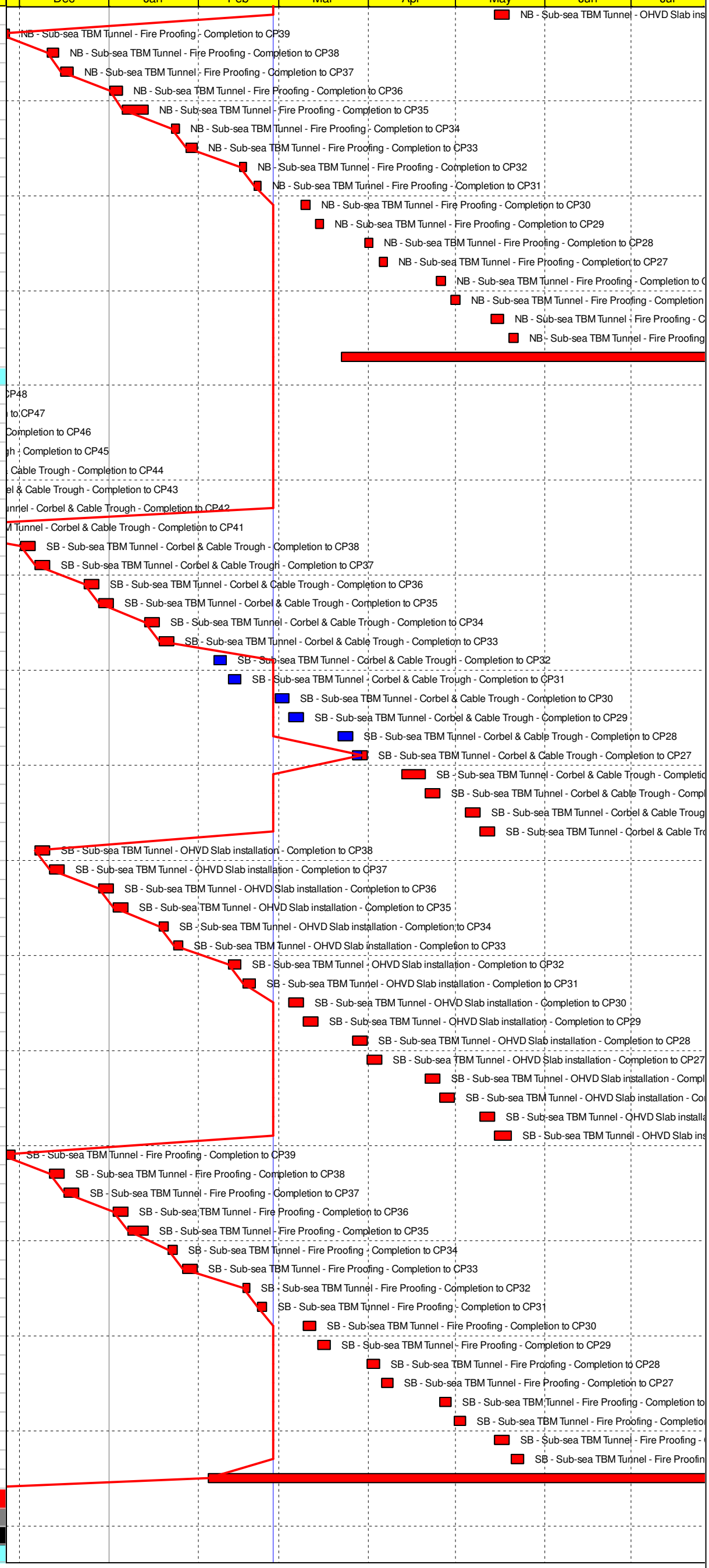
A member of the Bouygues Construction group

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

BOUYGUES TRAVAUX PUBLICS

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJ/GEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJ/GEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJ/GEN/PRG/98507 Rev.F	WYu	

Activity Name
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP23
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP39
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP38
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP37
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP36
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP35
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP34
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP33
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP32
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP31
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP30
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP29
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP28
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP27
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP26
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP25
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP24
NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP23
NB - Sub-sea TBM Tunnel - Road Level Fire Proofing
Sub-sea TBM Tunnel - SB - Remaining Internal Structure
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP48
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP47
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP46
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP45
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP44
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP43
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP42
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP41
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP38
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP37
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP36
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP35
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP34
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP33
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP32
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP31
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP30
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP29
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP28
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP27
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP26
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP25
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP24
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP23
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP38
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP37
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP36
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP35
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP34
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP33
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP32
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP31
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP30
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP29
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP28
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP27
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP26
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP25
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP24
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP23
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP39
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP38
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP37
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP36
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP35
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP34
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP33
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP32
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP31
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP30
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP29
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP28
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP27
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP26
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP25
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP24
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP23
SB - Remaining Fire Proofing in Tunnel
Southern Landfall
South Cut & Cover Tunnel
Design Submission
(E2) DDA for South C&C Box & Approach Ramp



Project ID: TMCLK DWPF 16W25

Data Date: 26-Feb-17

Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

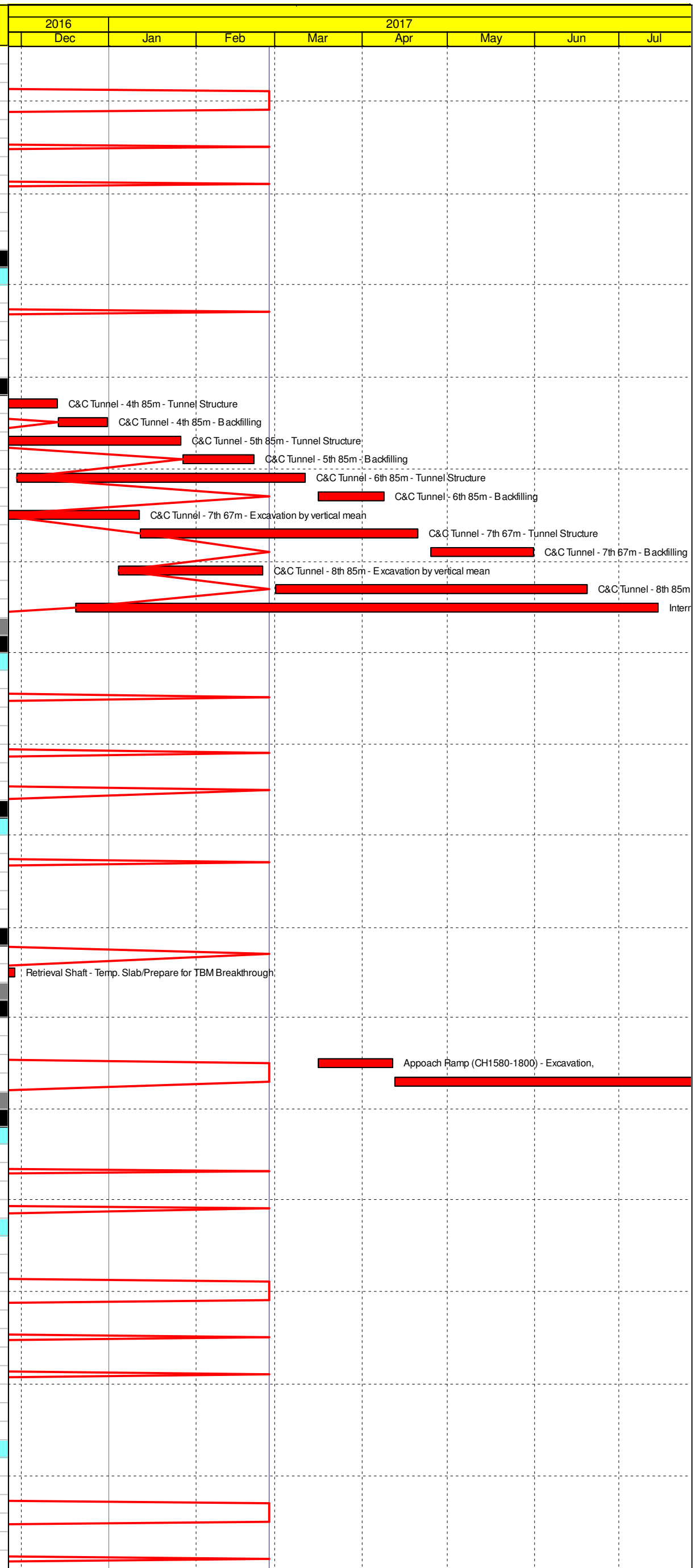
Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages Hong Kong
A member of the Bouygues Construction group
Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJGEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJGEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJGEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJGEN/PRG/98507 Rev.F	WYu	

Activity Name
Review & Comment by JV
Designer prepare DDA
Formal Submission of DDA to ICE/ IPs
Advanced Submission to SO
IPs/ SO's Advance Comments/ ICE Comments
Comments Received
Designer to Reply RtC + Update Submission
Submit Updated DDA to SO/ ICE/ IPs
ICE Approval & Issue Check Cert
IPs Review
SO's Review
Method Statement Submission
Method Statement of Construction Methodology of C&C Tunnels
Preparation Method Statement for C&C Tunnels
Submit Method Statement to SO
SO Reviews & Comments
Re-submission
SO's Review
Construction
C&C Tunnel - 4th 85m - Tunnel Structure
C&C Tunnel - 4th 85m - Backfilling
C&C Tunnel - 5th 85m - Tunnel Structure
C&C Tunnel - 5th 85m - Backfilling
C&C Tunnel - 6th 85m - Tunnel Structure
C&C Tunnel - 6th 85m - Backfilling
C&C Tunnel - 7th 67m - Excavation by vertical mean
C&C Tunnel - 7th 67m - Tunnel Structure
C&C Tunnel - 7th 67m - Backfilling
C&C Tunnel - 8th 85m - Excavation by vertical mean
C&C Tunnel - 8th 85m - Tunnel Structure
Intermediate Slab
South Retrieval Shaft
Design Submission
(F4) Gantry Crane Support/Foundations in Southern Landfall
Designer to Reply RtC + Update Submission
Submit Updated IFA to SO/ ICE/ IPs
ICE Approval & Issue Check Cert
IPs Review
IP's No Objection Received
SO's Review
SO Approval with Condition Received
Method Statement Submission
Method Statement of Construction Methodology of Retrieval Shaft
Preparation Method Statement for Retrieval Shaft
Submit Method Statement to SO
SO Reviews & Comments
Re-submission
SO's Review
Construction
South Retrieval Shaft - Diaphragm Wall
Retrieval Shaft - Temp. Slab/Prepare for TBM Breakthrough
South Approach Ramp
Construction
Appoach Ramp (CH1580-1850) - Pipe Pile/Sheet Piles Wall
Appoach Ramp (CH1580-1850) - Tension Piles
Appoach Ramp (CH1580-1800) - Excavation,
Remaining Approach Tunnel Structure
South Ventilation Building
Design Submission
(I1) DDA for South Vent.Bldg. GBP & Arch.Submission
IPs Review
IP's No Objection Received
SO's Review
SO Approval with Condition Received
(I2) DDA for South Vent.Bldg. Foundation Design
Review & Comment by JV
Designer prepare DDA
Formal Submission of DDA to ICE/ IPs
Advanced Submission to SO
IPs/ SO's Advance Comments/ ICE Comments
Comments Received
Designer to Reply RtC + Update Submission
Submit Updated DDA to SO/ ICE/ IPs
ICE Approval & Issue Check Cert
IPs Review
SO's Review
(I2) DDA for South Vent.Bldg.Structural Design incl.Vent.Connections
Review & Comment by JV
Designer prepare DDA
Formal Submission of DDA to ICE/ IPs
Advanced Submission to SO
IPs/ SO's Advance Comments/ ICE Comments
Comments Received



Project ID: TMCLK DWPF 16W25

Data Date: 26-Feb-17

Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

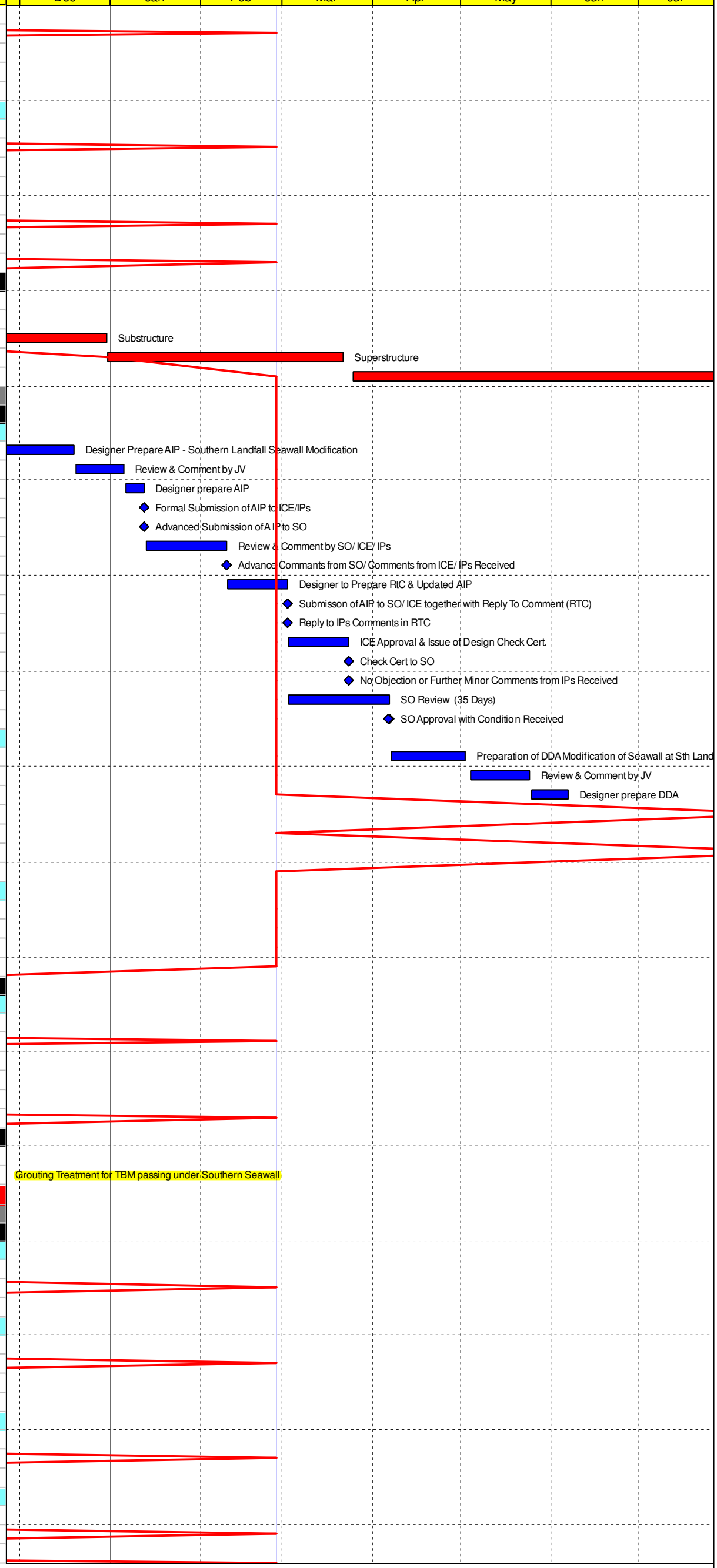
Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJ/GEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJ/GEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJ/GEN/PRG/98507 Rev.F	WYu	

Activity Name
Designer to Reply RtC + Update Submission
Submit Updated DDA to SO/ ICE/ IPs
ICE Approval & Issue Check Cert
IPs Review
SO's Review
(J1) DDA Temp.works for Construction of Sth.Vent.Bldg.
Designer to Reply RtC + Update Submission
Submit Updated DDA to SO/ ICE/ IPs
ICE Approval & Issue Check Cert
Submit ICE Check Cert to SO
IPs Review
IP's No Objection Received
SO's Review
SO Approval with Condition Received
Construction
Mobilization & Setting Up Piling Rigs
S -Sheet Piling
Substructure
Superstructure
Finishing Works
South Surface Roadworks, Utility & Drainage works
Design Submission
(E1) AIP - Southern Landfall Seawall Modification
Designer Prepare AIP - Southern Landfall Seawall Modification
Review & Comment by JV
Designer prepare AIP
Formal Submission of AIP to ICE/IPs
Advanced Submission of AIP to SO
Review & Comment by SO/ ICE/ IPs
Advance Commants from SO/ Comments from ICE/ IPs Received
Designer to Prepare RtC & Updated AIP
Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)
Reply to IPs Comments in RTC
ICE Approval & Issue of Design Check Cert.
Check Cert to SO
No Objection or Further Minor Comments from IPs Received
SO Review (35 Days)
SO Approval with Condition Received
(E1) DDA - Southern Landfall Seawall Modification
Preparation of DDA Modification of Seawall at Sth Landfall
Review & Comment by JV
Designer prepare DDA
IPs Review
IP's No Objection Received
SO's Review
SO Approval with Condition Received
(E3) DDA for Sewerage, Drainage, Waterworks & Utility works for South Landf
IPs Review
IP's No Objection Received
SO's Review
SO Approval with Condition Received
Method Statement Submission
Method Statement of Ground Treatment for TBMs Passing under Southern La
Preparation Method Statement for Ground Improvement in South Landfall
Submit Method Statement to SO
SO Reviews & Comments
Re-submission
SO's Review
SO's Approval
Construction
Temporary Platform for Ground Treatment for TBM passing under Southern Seawall
Grouting Treatment for TBM passing under Southern Seawall
Testing & Commissioning/Inspection & Handover
Final Inspection & Handover
Design Submission
(A12) Maintenance Matrix
Prepare Re-submission
2nd Submission
SO's Condition Approval
(A13) Operation & Maintenance Manual
Preparation of Operation and Maintenance Manual
1st Submission
SO's Comments for 1st Submission
Prepare Re-submission
(A14) As-built & As-fabricated Drawings
Preparation of As-built and As-fabricated Drawings
1st Submission
SO's Comments for 1st Submission
(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, op
1st Submission
SO's Comments for 1st Submission



Project ID: TMCLK DWPF 16W25

Data Date: 26-Feb-17

Planned Bar
Planned Bar - Critical
Planned Milestone
Progress bar
Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

Three Months Rolling Programme

Progress as of 26-Feb-17

Dragages HongKong 香港寶嘉
A member of the Bouygues Construction group
Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營
BOUYGUES TRAVAUX PUBLICS

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	WYu	SPo
08-Apr-14	TMCLK/DBJ/GEN/PRG/98507 Rev.B	SPa	WYu
28-Aug-14	TMCLK/DBJ/GEN/PRG/98507 Rev.C	CLa	WYu
30-Oct-15	TMCLK/DBJ/GEN/PRG/98507 Rev.F	WYu	

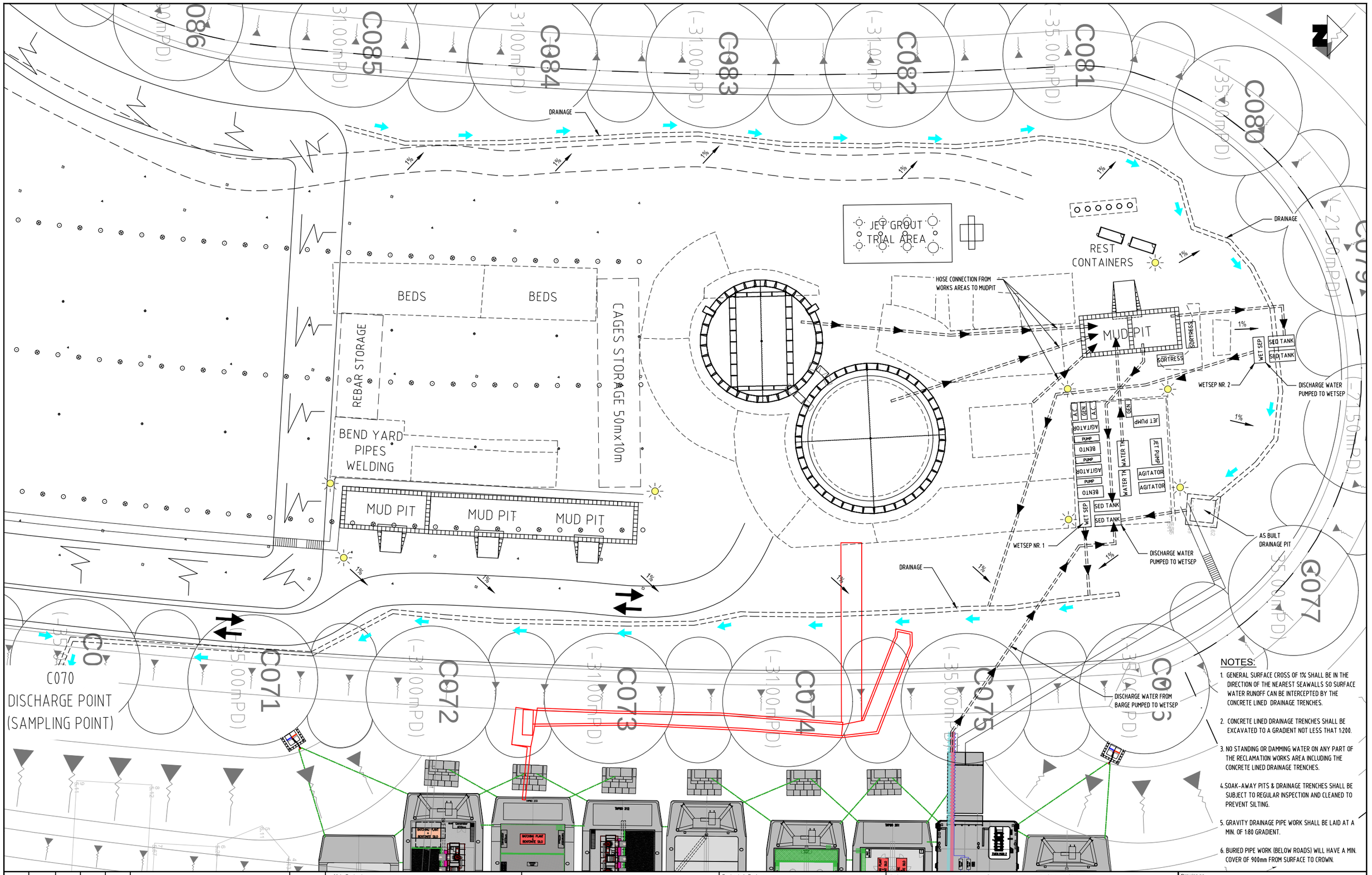
Annex C

Location Map

搜尋 Google 地圖
登入
Site location
Incident area
0
1.00 公里
2.46 公里
港珠澳大橋
香港口岸
人工島
赤鱲角
東涌
北大嶼山公路
東薈坑
二白坳
三白坳
大蠔峒
鹿頸村
大陰頂
竹篙灣咀
香港迪士尼樂園度假區
香港迪士尼樂園
白芒
牛牯塱
愉景灣
稔樹灣村
長沙欄
大龍村
山頂村
坪洲
愉景灣高爾夫球會
較寮
散頭
逸東邨
牛凹
大白灣
機場路
東涌海濱路
迎禧路
文東路
順東路
裕東路
地球
測量距離
在地圖上按一下即可新增路徑
總距離：2.46 公里 (1.53 英里)
地圖資料 ©2017 Google
使用條款
提供意見
1 公里

Annex D

Site Drainage Plan



NOTES:

1. GENERAL SURFACE CROSS OF 1% SHALL BE IN THE DIRECTION OF THE NEAREST SEAWALLS SO SURFACE WATER RUNOFF CAN BE INTERCEPTED BY THE CONCRETE LINED DRAINAGE TRENCHES.
2. CONCRETE LINED DRAINAGE TRENCHES SHALL BE EXCAVATED TO A GRADIENT NOT LESS THAT 1:200.
3. NO STANDING OR DAMMING WATER ON ANY PART OF THE RECLAMATION WORKS AREA INCLUDING THE CONCRETE LINED DRAINAGE TRENCHES.
4. SOAK-AWAY PITS & DRAINAGE TRENCHES SHALL BE SUBJECT TO REGULAR INSPECTION AND CLEANED TO PREVENT SILTING.
5. GRAVITY DRAINAGE PIPE WORK SHALL BE LAID AT A MIN. OF 1:80 GRADIENT.
6. BURIED PIPE WORK (BELOW ROADS) WILL HAVE A MIN. COVER OF 900mm FROM SURFACE TO CROWN.

Rev.	Date	Drawn	Designed	Verified	Description	Approved
D	27JUL16	AGM	pkv	BLe	UPDATE	SPo
C	15JUN16	pkv	pkv	ACh	WESTSEP NR. 3 REMOVED	SPo
B	14JUN16	pkv	pkv	ACh	DISCHARGE FROM BARGE ADDED	SPo
A	07JUN16	pkv	pkv	BLe	FIRST ISSUE	SPo

Main Contractor: Dragages Hong Kong — A member of the Bouygues Construction group; Dragages - Bouygues Joint Venture 震嘉 - 布依格聯營

Client: 路政署 HIGHWAYS DEPARTMENT

Contractor's Designer: ARUP Ove Arup & Partners Hong Kong Limited

Project: Contract No. HY/2012/08
Tuen Mun - Chek Lap Kok Link -
Northern Connection Sub-Sea Tunnel Section

Drawing Title: SOUTHERN LANDFALL
PORTION E1 SURFACE WATER DRAINAGE & DISCHARGE ARRANGEMENT – GENERAL LAYOUT

Drawing no.: TMCLKL8–DBJ–SAA–MSI–10026
Scale: NTS
CADD Ref.: SAA–MSI–10026
Issue Status: DFT (DRAFT)
Revision: D

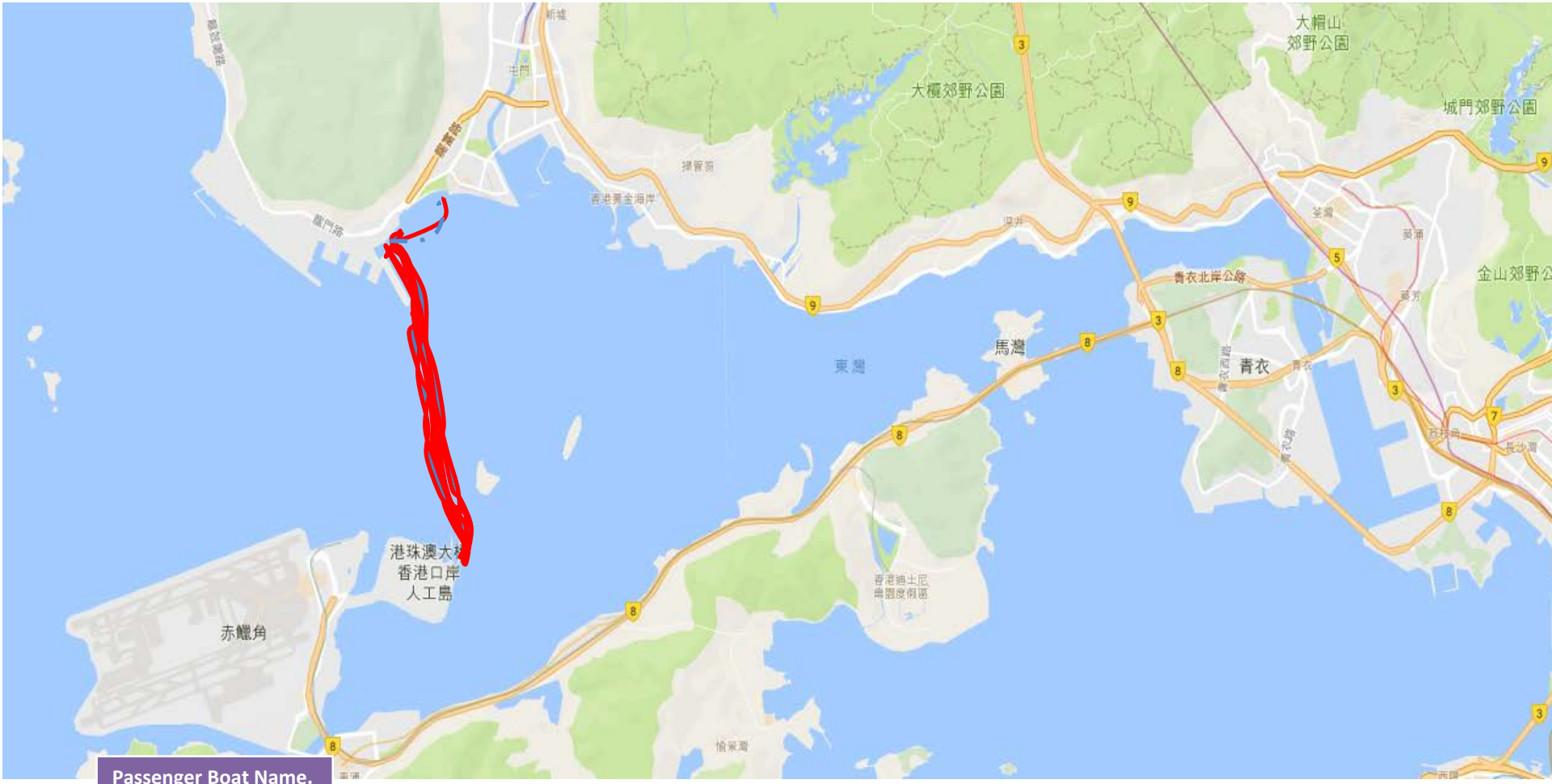
Annex E

Marine Travel Route Record

Contract No. HY/2012/08

Tuen Mun-Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section

Records of Off-site Marine Vessel Routing – March 2017



Passenger Boat Name.
Hung Tai 6
Ming Lee 27
Frantonios

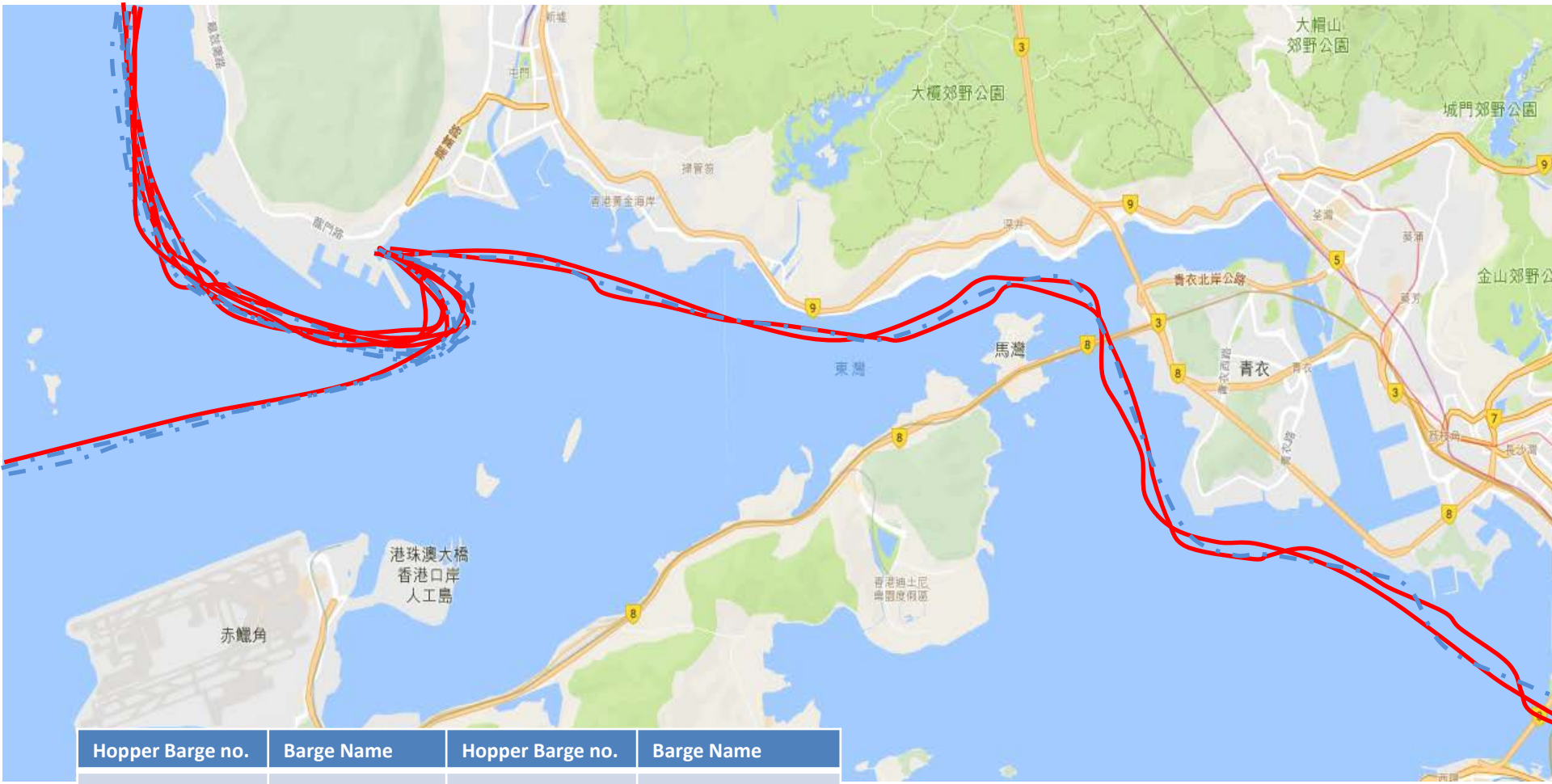
To Works Area

From Works Area

Contract No. HY/2012/08

Tuen Mun-Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section

Records of Off-site Marine Vessel Routing – March 2017

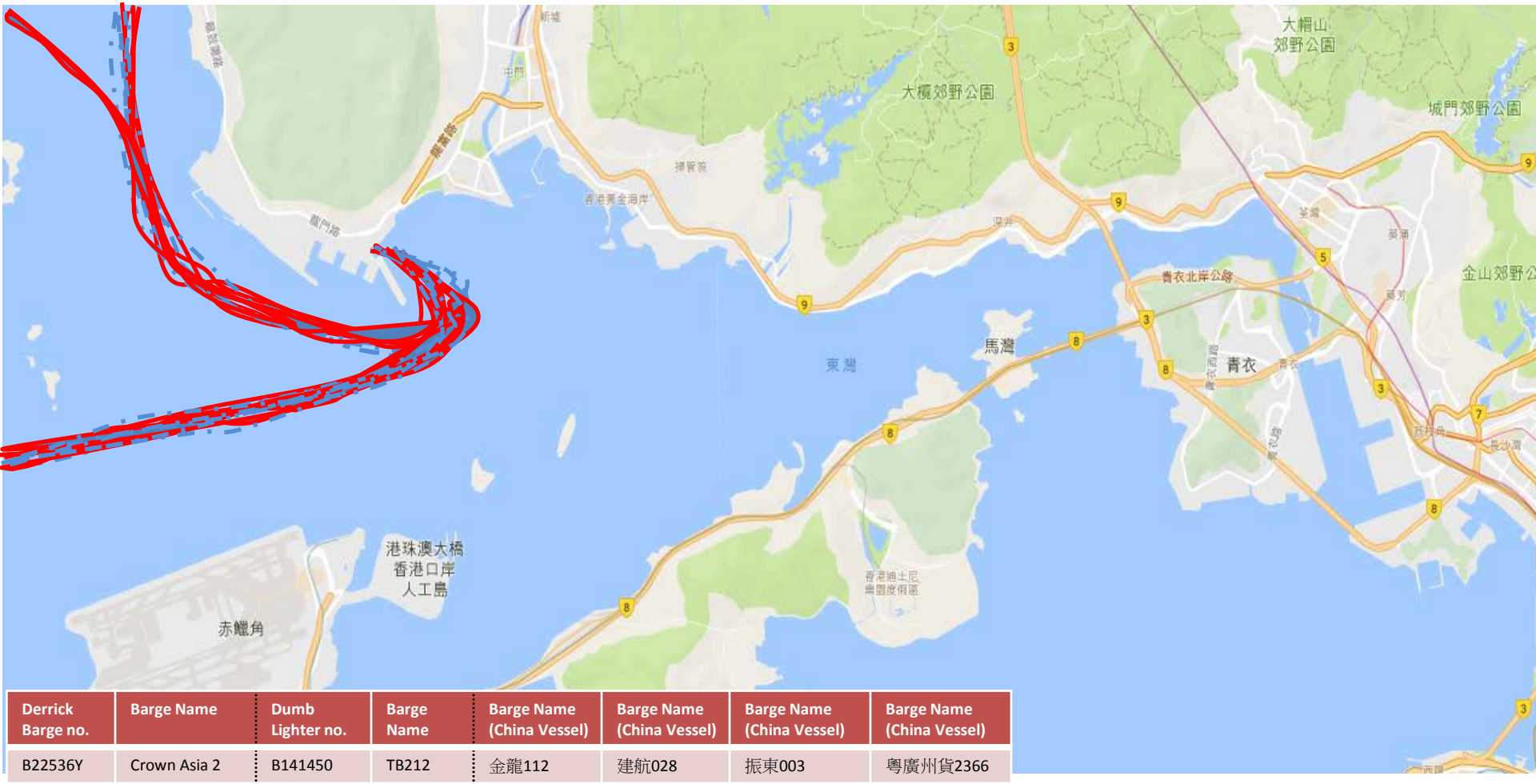


Hopper Barge no.	Barge Name	Hopper Barge no.	Barge Name
B21342V	HB1007S	B21843V	Crown Asia 21
B21396V	SH102		
B21521V	Hang Yang 861		
B21630V	Geoworks SB-1		

Contract No. HY/2012/08

Tuen Mun-Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section

Records of Off-site Marine Vessel Routing – March 2017



Derrick Barge no.	Barge Name	Dumb Lighter no.	Barge Name	Barge Name (China Vessel)	Barge Name (China Vessel)	Barge Name (China Vessel)	Barge Name (China Vessel)
B22536Y	Crown Asia 2	B141450	TB212	金龍112	建航028	振東003	粵廣州貨2366
B22570Y	Crown Asia 11			金龍113	建航036	振東988	粵廣州貨3662
B22600Y	Crown Asia 12			金龍119	建航066	嘉信878	粵廣州貨4866
B21702Y	Crown Asia 13			金龍663	建航118	聯福88	BM40614Y - Leung Ngau Chai
B21507V	Crown Asia 15			金龍883	建航287	粵廣州貨1062	

To Works Area

From Works Area

Annex F

Wetsep Record

	Contract No. HY/2012/08 Tuen Mun – Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section	WETSEP Checking Record 污水處理機檢查記錄

WETSEP Location 污水處理機位置: 2B

Date 日期: 20-3-2017 to 至 26-3-2017

		Monday 星期一	Tuesday 星期二	Wednesday 星期三	Thursday 星期四	Friday 星期五	Saturday 星期六	Sunday 星期日
1.	WETSEP in Normal Operation? 處理機是否正常運作?	✓	✓	✓	✓	✓	✓	✓
2.	pH Value 酸鹼度 (6.0 – 9.0)	8.6	8.6	8.7	8.6	7.8	7.6	7.9
3.	Electrical Supply OK? 電力供應正常?	✓	✓	✓	✓	✓	✓	✓
4.	Outlet Abnormal? (Any Sludge? Any Colour Change? Flowrate?) 出水口有否異常? (污泥有否積聚? 顏色有否改變? 流量有否異常?)	✓ 有異常	有異常	有異常	有異常	無	無	無
5.	Potion Enough? 藥水是否足夠?	✓	✓	✓	✓	✓	✓	✓
6.	Clean the Sedimentation Tank? 有否清理隔沙缸?	有09:00	有09:00	有09:00	有09:00	有	有	有
7.	Clean the De-silt Basin? 有否清理蓄泥池?	有09:30	有09:30	有09:30	有09:30	有	有	有
8.	Are the Cleansing Records of Sedimentation Tank/ De-silt Basin Stored Properly? 清理蓄泥池記錄是否妥善儲存?	✓	✓	✓	✓	✓	✓	✓
9.	Others 其他情況	一切正常	一切正常	一切正常	一切正常	/	/	/
	Verified by Site Foreman/Supervisor 地盤管工/監督簽署確認	簽署	簽署	簽署	簽署	簽署	簽署	簽署

*Please - tick (√) in the box if the condition is normal. *若情況正常, 請於方格內加上剔號(√)。
cross (X) in the box if the condition is abnormal, and write down the non-conformance.
*若情況不尋常, 請於方格內加上交叉(X), 並寫下不尋常狀況。

Remarks:

(1) Please keep the record and send to environmental department in monthly basis.

備註:

(1) 請將記錄妥善保存, 並每月將記錄交回環保部。

24/04/2017

Contract No. HY/2012/08
Tuen Mun – Chek Lap Kok Link
Northern Connection Sub-sea Tunnel Section

WETSEP Checking Record
污水處理機檢查記錄

WETSEP Location 污水處理機位置: 25

Date 日期: 27-3-2017 to 至 2-4-2017

24/04/2017

		Monday 星期一	Tuesday 星期二	Wednesday 星期三	Thursday 星期四	Friday 星期五	Saturday 星期六	
1.	WETSEP In Normal Operation? 處理機是否正常運作?	✓	✓	✓	✓	✓	✓	✓
2.	pH Value 酸鹼度 (6.0 – 9.0)	6.9	7.4	6.7	8.2	8.9	8-6	7.3
3.	Electrical Supply OK? 電力供應正常?	✓	✓	✓	✓	✓	✓	✓
4.	Outlet Abnormal? (Any Sludge? Any Colour Change? Flowrate?) 出水口有否異常? (污泥有否積聚? 顏色有否改變? 流量有否異常?)	無	無	無	無	無	有異常	無
5.	Potion Enough? 藥水是否足夠?	✓	✓	✓	✓	✓	✓	✓
6.	Clean the Sedimentation Tank? 有否清理隔沙缸?	有	有	有	有	有	有 09:00	有
7.	Clean the De-silt Basin? 有否清理蓄泥池?	有	有	有	有	有	有 09:30	有
8.	Are the Cleansing Records of Sedimentation Tank/ De-silt Basin Stored Properly? 清理蓄泥池記錄是否妥善儲存?	✓	✓	✓	✓	✓	✓	✓
9.	Others 其他情況						一切正常	
	Verified by Site Foreman/Supervisor 地盤管工/監督簽署確認							

*Please - tick (√) in the box if the condition is normal. *若情況正常, 請於方格內加上剔號(√).
cross (X) in the box if the condition is abnormal, and write down the non-conformance.
*若情況不尋常, 請於方格內加上交叉(X), 並寫下不尋常狀況。

Remarks:

(1) Please keep the record and send to environmental department in monthly basis.

備註:

(1) 請將記錄妥善保存, 並每月將記錄交回環保部。