

Activity Name	Orig Dur	DWP Start	DWP Finish	% Comp	2016		2017					
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
					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	0		09-Jan-17	0%							◆ KD01 - Achievement of Stage 1 - Nth TBM & C&C for E&MS/TCSS	
Site Possession Date												
Portions: X1,(N10,11,13 & 14) - Sth Landfall	0	06-Aug-15		0%								
Portions: N1 to N4 & N12	0		03-Dec-16	0%							◆ 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	0		28-Jun-14	0%								
Sediment Quality Report/Dumping Permit												
Southern Landfall												
Southern landfall - Commencement of Shaft & C&C Tunnel Dwall	0	03-Oct-15		0%								
Sediment Sampling & Testing Plan (SSTP) - if required												
Complete SSTP and Obtain EPD's approval	24	17-Feb-15	19-Mar-15	50%								
Sediment Quality Report (SQR) - if required												
Advance Ground Investigation works for Sediment sampling	24	20-Mar-15	21-Apr-15	90%								
Sediment Sample Testing & Report preparation	120	22-Apr-15	12-Sep-15	0%								
Dumping Permit for Load Dumping (Loading Permit) - if required												
Finalize the application document and submit to EPD - for Dwall	24	20-Jan-15	16-Feb-15	0%								
Notify the results and issue Loading Permit for Local & Cross Boundary Crossing - for Dwall	24	17-Feb-15	19-Mar-15	0%								
General Design Submissions												
(G6) IFA for Tunnel GBP												
SO's Review	35	29-Apr-14	02-Jun-14	100%								
SO Approval with Condition Received	0		03-Jun-14	100%								
PAYMENT MILESTONE												
Design and Design Checking of the Works												
MS 2.5 Submit AIP for seawall modification works at Southern Landfall	0		31-Jan-17	100%							◆ MS 2.5 Submit AIP for seawall modification works at S	
MS 2.32 Approve DDA for Approach Ramp Structures to Cut-and-cover Tunnels by the Supervising Officer	0		30-Apr-15	100%								
MS 2.44 Approve DDA for South Ventilation Building by the Supervising Officer	0		30-Jun-15	0%								
MS 2.48 Approve DDA for North Ventilation Building by the Supervising Officer	0		31-Jan-15	100%								
MS 2.52 Approve DDA for Facilities Provision for TCSS by the Supervising Officer	0		28-Feb-15	0%								
MS 2.56 Approve DDA for Drainage, Sewerage, Waterworks and Utilities at Southern Landfall by the Supervi	0		30-Apr-15	100%								
MS 2.60 Approve DDA for Drainage, Sewerage, Waterworks and Utilities at Northern Landfall by the Supervi	0		31-Dec-14	0%								
MS 2.69 Submit draft Operation and Maintenance Manual for all Tunnels and Cross Passgaes	0		29-Feb-16	0%								
MS 2.70 Accept Operation and Maintenance Manual for all Tunnels and Cross Passgaes by the Supervising	0		30-Jun-16	0%							◆ MS 2.70 Accept Operation and Maintenance Manual for all Tunnels and Cross Passgaes by the Supervising Officer	
MS 2.71 Submit draft Operation and Maintenance Manual for all works except Tunnels and Cross Passgaes	0		29-Feb-16	0%								
MS 2.72 Accept Operation and Maintenance Manual for all works except Tunnels and Cross Passgaes by the	0		30-Jun-16	0%							◆ MS 2.72 Accept Operation and Maintenance Manual for all works except Tunnels and Cross Passgaes by the Supervising Offic	
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	0		31-Jan-17	0%							◆ MS 3.1.6 Removal of TBM for Southbound Tunnel from	
MS 3.1.12 Removal of TBM for Northbound Tunnel from Site after the completion of TBM Tunnel	0		28-Feb-17	0%							◆ MS 3.1.12 Removal of TBM for Northbound	
MS 3.1.25 Demolition of Slurry Treatment Plant on completion	0		28-Feb-17	0%							◆ MS 3.1.25 Demolition of Slurry Treatment	
MS 3.1.26 Complete the whole of the activities under this Cost Centre Part to the satisfaction of the Supervisin	0		31-Dec-15	0%								
TBM Tunnel												
MS 3.3.4 Complete walls of retrieval shaft	0		30-Jan-16	0%								
MS 3.3.5 Complete excavation to formation level for retrieval shaft and complete casting of base slab	0		30-Nov-16	0%							◆ MS 3.3.5 Complete excavation to formation level for retrieval shaft and complete cas	
MS 3.3.6 Complete all necessary works of retrieval shaft to facilitate retrieval of TBM	0		30-Nov-16	0%							◆ MS 3.3.6 Complete all necessary works of retrieval shaft to facilitate retrieval of TBM	
MS 3.3.33 Completion of excavation, support and permanent lining for 30% of the total length (measured on p	0		31-May-16	100%							◆ MS 3.3.33 Completion of excavation, support and permanent lining for 30% of the total length (measured on p	
MS 3.3.34 Completion of excavation, support and permanent lining for 32.5% of the total length (measured on p	0		30-Jun-16	100%							◆ MS 3.3.34 Completion of excavation, support and permanent lining for 32.5% of the total length (measured on p	
MS 3.3.35 Completion of excavation, support and permanent lining for 35% of the total length (measured on p	0		30-Jun-16	100%							◆ MS 3.3.35 Completion of excavation, support and permanent lining for 35% of the total length (measured on p	
MS 3.3.36 Completion of excavation, support and permanent lining for 37.5% of the total length (measured on p	0		30-Jun-16	100%							◆ MS 3.3.36 Completion of excavation, support and permanent lining for 37.5% of the total length (measured on p	
MS 3.3.37 Completion of excavation, support and permanent lining for 40% of the total length (measured on p	0		30-Jul-16	100%							◆ MS 3.3.37 Completion of excavation, support and permanent lining for 40% of the total length (measured on p	
MS 3.3.38 Completion of excavation, support and permanent lining for 42.5% of the total length (measured on p	0		30-Jul-16	100%							◆ MS 3.3.38 Completion of excavation, support and permanent lining for 42.5% of the total length (measured on p	
MS 3.3.39 Completion of excavation, support and permanent lining for 45% of the total length (measured on p	0		30-Jul-16	100%							◆ MS 3.3.39 Completion of excavation, support and permanent lining for 45% of the total length (measured on p	
MS 3.3.40 Completion of excavation, support and permanent lining for 47.5% of the total length (measured on p	0		30-Jul-16	100%							◆ MS 3.3.40 Completion of excavation, support and permanent lining for 47.5% of the total length (measured on p	
MS 3.3.41 Completion of excavation, support and permanent lining for 50% of the total length (measured on p	0		31-Aug-16	100%							◆ MS 3.3.41 Completion of excavation, support and permanent lining for 50% of the total length (measured on p	
MS 3.3.42 Completion of excavation, support and permanent lining for 52.5% of the total length (measured on p	0		31-Aug-16	100%							◆ MS 3.3.42 Completion of excavation, support and permanent lining for 52.5% of the total length (measured on p	
MS 3.3.43 Completion of excavation, support and permanent lining for 55% of the total length (measured on p	0		31-Aug-16	0%							◆ MS 3.3.43 Completion of excavation, support and permanent lining for 55% of the total length (measured on p	
MS 3.3.44 Completion of excavation, support and permanent lining for 57.5% of the total length (measured on p	0		31-Aug-16	0%							◆ MS 3.3.44 Completion of excavation, support and permanent lining for 57.5% of the total length (measured on p	
MS 3.3.45 Completion of excavation, support and permanent lining for 60% of the total length (measured on p	0		31-Aug-16	0%							◆ MS 3.3.45 Completion of excavation, support and permanent lining for 60% of the total length (measured on p	
MS 3.3.46 Completion of excavation, support and permanent lining for 62.5% of the total length (measured on p	0		30-Sep-16	0%							◆ MS 3.3.46 Completion of excavation, support and permanent lining for 62.5% of the total length (measured on p	
MS 3.3.47 Completion of excavation, support and permanent lining for 65% of the total length (measured on p	0		30-Sep-16	0%							◆ MS 3.3.47 Completion of excavation, support and permanent lining for 65% of the total length (measured on p	
MS 3.3.48 Completion of excavation, support and permanent lining for 67.5% of the total length (measured on p	0		30-Sep-16	0%							◆ MS 3.3.48 Completion of excavation, support and permanent lining for 67.5% of the total length (measured on p	
MS 3.3.49 Completion of excavation, support and permanent lining for 70% of the total length (measured on p	0		30-Sep-16	0%							◆ MS 3.3.49 Completion of excavation, support and permanent lining for 70% of the total length (measured on p	
MS 3.3.50 Completion of excavation, support and permanent lining for 72.5% of the total length (measured on p	0		31-Oct-16	0%							◆ MS 3.3.50 Completion of excavation, support and permanent lining for 72.5% of the total length (r	
MS 3.3.51 Completion of excavation, support and permanent lining for 75% of the total length (measured on p	0		31-Oct-16	0%							◆ MS 3.3.51 Completion of excavation, support and permanent lining for 75% of the total length (me	
MS 3.3.52 Completion of excavation, support and permanent lining for 77.5% of the total length (measured on p	0		31-Oct-16	0%							◆ MS 3.3.52 Completion of excavation, support and permanent lining for 77.5% of the total length (r	
MS 3.3.53 Completion of excavation, support and permanent lining for 80% of the total length (measured on p	0		31-Oct-16	0%							◆ MS 3.3.53 Completion of excavation, support and permanent lining for 80% of the total length (me	
MS 3.3.54 Completion of excavation, support and permanent lining for 82.5% of the total length (measured on p	0		30-Nov-16	0%							◆ MS 3.3.54 Completion of excavation, support and permanent lining for 82.5% of the	
MS 3.3.55 Completion of excavation, support and permanent lining for 85% of the total length (measured on p	0		30-Nov-16	0%							◆ MS 3.3.55 Completion of excavation, support and permanent lining for 85% of the t	
MS 3.3.56 Completion of excavation, support and permanent lining for 87.5% of the total length (measured on p	0		30-Nov-16	0%							◆ MS 3.3.56 Completion of excavation, support and permanent lining for 87.5% of the	
MS 3.3.57 Completion of excavation, support and permanent lining for 90% of the total length (measured on p	0		30-Nov-16	0%							◆ MS 3.3.57 Completion of excavation, support and permanent lining for 90% of the t	
MS 3.3.58 Completion of excavation, support and permanent lining for 92.5% of the total length (measured on p	0		30-Nov-16	0%							◆ MS 3.3.58 Completion of excavation, support and permanent lining for 92.5% of the	
MS 3.3.59 Completion of excavation, support and permanent lining for 95% of the total length (measured on p	0		31-Dec-16	0%							◆ MS 3.3.59 Completion of excavation, support and permanent lining for	
MS 3.3.60 Completion of excavation, support and permanent lining for 97.5% of the total length (measured on p	0		31-Dec-16	0%							◆ MS 3.3.60 Completion of excavation, support and permanent lining for	
MS 3.3.61 Completion of excavation, support and permanent lining for 100% of the total length (measured on p	0		31-Dec-16	0%							◆ MS 3.3.61 Completion of excavation, support and permanent lining for	
MS 3.3.96 Completion of excavation, support and permanent lining for 50% of the total length (measured on p	0		30-Jul-16	100%							◆ MS 3.3.96 Completion of excavation, support and permanent lining for 50% of the total length (measured on plan) of the S	
MS 3.3.97 Completion of excavation, support and permanent lining for 52.5% of the total length (measured on p	0		30-Jul-16	100%							◆ MS 3.3.97 Completion of excavation, support and permanent lining for 52.5% of the total length (measured on plan) of the	
MS 3.3.98 Completion of excavation, support and permanent lining for 55% of the total length (measured on p	0		30-Jul-16	100%							◆ MS 3.3.98 Completion of excavation, support and permanent lining for 55% of the total length (measured on plan) of the S	
MS 3.3.99 Completion of excavation, support and permanent lining for 57.5% of the total length (measured on p	0		31-Aug-16	100%							◆ MS 3.3.99 Completion of excavation, support and permanent lining for 57.5% of the total length (measured on plan) of the	
MS 3.3.100 Completion of excavation, support and permanent lining for 60% of the total length (measured on p	0		31-Aug-16	100%							◆ MS 3.3.100 Completion of excavation, support and permanent lining for 60% of the total length (measured on plan) of the	
MS 3.3.101 Completion of excavation, support and permanent lining for 62.5% of the total length (measured on p	0		31-Aug-16	100%							◆ MS 3.3.101 Completion of excavation, support and permanent lining for 62.5% of the total length (measured on plan) of th	
MS 3.3.102 Completion of excavation, support and permanent lining for 65% of the total length (measured on p	0		31-Aug-16	100%							◆ MS 3.3.102 Completion of excavation, support and permanent lining for 65% of the total length (measured on plan) of the	
MS 3.3.103 Completion of excavation, support and permanent lining for 67.5% of the total length (measured on p	0		31-Aug-16	100%							◆ MS 3.3.103 Completion of excavation, support and permanent lining for 67.5% of the total length (measured on plan) of th	

■ 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 01-Jan-17



Date	Revision	Checked	Approved
12-Feb-14	TMCLKDBJENPRG98507	WYu	SPs
08-Apr-14	TMCLKDBJENPRG98507 Rev.B	SPs	WYu
28-Aug-14	TMCLKDBJENPRG98507 Rev.C	CLa	WYu
30-Oct-15	TMCLKDBJENPRG98507 Rev.F	WYu	

Activity Name	Orig Dur	DWP Start	DWP Finish	% Comp	2016					2017								
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May						
MS 3.3.104 Completion of excavation, support and permanent lining for 70% of the total length (measured on plan) of the Northbound	0		30-Sep-16	0%														
MS 3.3.105 Completion of excavation, support and permanent lining for 72.5% of the total length (measured on plan) of the Northbound	0		30-Sep-16	0%														
MS 3.3.106 Completion of excavation, support and permanent lining for 75% of the total length (measured on plan) of the Northbound	0		30-Sep-16	0%														
MS 3.3.107 Completion of excavation, support and permanent lining for 77.5% of the total length (measured on plan) of the Northbound	0		30-Sep-16	0%														
MS 3.3.108 Completion of excavation, support and permanent lining for 80% of the total length (measured on plan) of the Northbound	0		31-Oct-16	0%														
MS 3.3.109 Completion of excavation, support and permanent lining for 82.5% of the total length (measured on plan) of the Northbound	0		31-Oct-16	0%														
MS 3.3.110 Completion of excavation, support and permanent lining for 85% of the total length (measured on plan) of the Northbound	0		31-Oct-16	0%														
MS 3.3.111 Completion of excavation, support and permanent lining for 87.5% of the total length (measured on plan) of the Northbound	0		31-Oct-16	0%														
MS 3.3.112 Completion of excavation, support and permanent lining for 90% of the total length (measured on plan) of the Northbound	0		30-Nov-16	0%														
MS 3.3.113 Completion of excavation, support and permanent lining for 92.5% of the total length (measured on plan) of the Northbound	0		30-Nov-16	0%														
MS 3.3.114 Completion of excavation, support and permanent lining for 95% of the total length (measured on plan) of the Northbound	0		30-Nov-16	0%														
MS 3.3.115 Completion of excavation, support and permanent lining for 97.5% of the total length (measured on plan) of the Northbound	0		30-Nov-16	0%														
MS 3.3.116 Completion of excavation, support and permanent lining for 100% of the total length (measured on plan) of the Northbound	0		30-Nov-16	0%														
MS 3.3.117 Complete tunnel internal structures for 25% of total length (measured on plan) of the Northbound	0		31-Oct-16	0%														
MS 3.3.118 Complete tunnel internal structures for 50% of total length (measured on plan) of the Northbound	0		31-Jan-17	0%														
MS 3.3.121 Complete tunnel internal structures for 25% of total length (measured on plan) of the Southbound	0		31-Oct-16	0%														
MS 3.3.122 Complete tunnel internal structures for 50% of total length (measured on plan) of the Southbound	0		31-Jan-17	0%														
Cross Passages for TBM Tunnel																		
MS 3.3.3 Complete 50% of ground treatment for excavation of all Type 1 Cross Passages(Percentage to be certified for excavation)	0		30-Nov-16	0%														
MS 3.3.5 Complete 50% of excavation and support for all Type 1 Cross Passages(Percentage to be certified for excavation)	0		31-Dec-16	0%														
MS 3.3.7 Complete 50% of excavation and support for all Type 2 Cross Passages(Percentage to be certified for excavation)	0		31-Dec-16	0%														
MS 3.3.9 Complete 50% of permanent lining and internal structures for all Type 1 Cross Passages(Percentage to be certified for excavation)	0		31-Jan-17	0%														
MS 3.3.11 Complete 50% of permanent lining and internal structures for all Type 2 Cross Passages(Percentage to be certified for excavation)	0		28-Feb-17	0%														
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-and-cover tunnel	0		31-Oct-15	0%														
MS 4.1.2 Complete 20% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover tunnel	0		31-Oct-15	0%														
MS 4.1.3 Complete 30% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover tunnel	0		30-Nov-15	0%														
MS 4.1.4 Complete 40% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover tunnel	0		30-Nov-15	0%														
MS 4.1.5 Complete 50% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover tunnel	0		31-Dec-15	0%														
MS 4.1.6 Complete 60% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover tunnel	0		31-Dec-15	0%														
MS 4.1.7 Complete 70% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover tunnel	0		30-Jan-16	0%														
MS 4.1.8 Complete 80% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover tunnel	0		30-Jan-16	0%														
MS 4.1.9 Complete 90% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover tunnel	0		29-Feb-16	0%														
MS 4.1.10 Complete 100% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover tunnel	0		31-Mar-16	0%														
MS 4.1.11 Complete 40% of excavation for Cut-and-cover tunnel	0		30-Jun-16	0%														
MS 4.1.12 Complete 60% of excavation for Cut-and-cover tunnel	0		31-Aug-16	0%														
MS 4.1.13 Complete 80% of excavation for Cut-and-cover tunnel	0		31-Oct-16	0%														
MS 4.1.14 Complete 100% of excavation for Cut-and-cover tunnel	0		31-Dec-16	0%														
MS 4.1.15 Complete permanent tunnel structure for 10% of the total length (measured on plan) of Cut-and-cover Tunnel	0		28-Feb-17	0%														
MS 4.1.16 Complete permanent tunnel structure for 20% of the total length (measured on plan) of Cut-and-cover Tunnel	0		30-Jul-16	0%														
MS 4.1.17 Complete permanent tunnel structure for 30% of the total length (measured on plan) of Cut-and-cover Tunnel	0		31-Aug-16	0%														
MS 4.1.18 Complete permanent tunnel structure for 40% of the total length (measured on plan) of Cut-and-cover Tunnel	0		30-Sep-16	0%														
MS 4.1.19 Complete permanent tunnel structure for 50% of the total length (measured on plan) of Cut-and-cover Tunnel	0		30-Sep-16	0%														
MS 4.1.20 Complete permanent tunnel structure for 60% of the total length (measured on plan) of Cut-and-cover Tunnel	0		31-Oct-16	0%														
MS 4.1.21 Complete permanent tunnel structure for 70% of the total length (measured on plan) of Cut-and-cover Tunnel	0		31-Jan-17	0%														
MS 4.1.22 Complete permanent tunnel structure for 80% of the total length (measured on plan) of Cut-and-cover Tunnel	0		28-Feb-17	0%														
MS 4.1.23 Complete permanent tunnel structure for 90% of the total length (measured on plan) of Cut-and-cover Tunnel	0		28-Feb-17	0%														
MS 4.1.26 Complete excavation for 50% of total length (measured on plan) of all Cross Passages	0		31-Dec-15	0%														
MS 4.1.27 Complete excavation for 100% of total length (measured on plan) of all Cross Passages	0		31-Mar-16	0%														
MS 4.1.29 Complete pavement for 50% of the total length (measured on plan) of Cut-and-cover Tunnel	0		31-Dec-16	0%														
Cut-and-cover Tunnel at Northern Landfall																		
MS 4.2.22 Complete tunnel internal structure for 50% of NB Northern Landfall TBM Tunnel	0		31-Aug-16	0%														
MS 4.2.23 Complete tunnel internal structure for 100% of NB Northern Landfall TBM Tunnel	0		30-Sep-16	0%														
MS 4.2.24 Complete tunnel internal structure for 50% of SB Northern Landfall TBM Tunnel	0		31-Oct-16	0%														
MS 4.2.25 Complete tunnel internal structure for 100% of SB Northern Landfall TBM Tunnel	0		30-Nov-16	0%														
MS 4.2.28 Complete 75% of permanent lining and internal structures for all Northern Landfall Cross Passages	0		30-Sep-16	100%														
MS 4.2.29 Complete 100% of permanent lining and internal structures for all Northern Landfall Cross Passages	0		31-Oct-16	0%														
MS 4.2.30 Complete Permanent tunnel structure for 25% of Cut and Cover Tunnel	0		31-Aug-16	0%														
MS 4.2.31 Complete Permanent tunnel structure for 50% of Cut and Cover Tunnel	0		30-Sep-16	0%														
MS 4.2.32 Complete Permanent tunnel structure for 75% of Cut and Cover Tunnel	0		30-Nov-16	0%														
MS 4.2.34 Complete Permanent junction structure at interface between Cut-and-cover and TBM Tunnel	0		30-Jul-16	0%														
Approach Ramp Structures to Cut-and-cover Tunnel at Southern Landfall																		
MS 5.1.2 Complete 40% of excavation for approach ramp structures	0		31-Mar-16	0%														
MS 5.1.3 Complete 60% of excavation for approach ramp structures	0		31-Mar-16	0%														
MS 5.1.4 Complete 80% of excavation for approach ramp structures	0		30-Apr-16	0%														
MS 5.1.5 Complete 100% of excavation for approach ramp structures	0		30-Apr-16	0%														
MS 5.1.6 Complete retaining wall foundation for 10% of the total length (measured on plan) of approach ramp structure	0		31-Oct-15	0%														
MS 5.1.7 Complete retaining wall foundation for 20% of the total length (measured on plan) of approach ramp structure	0		30-Nov-15	0%														
MS 5.1.8 Complete retaining wall foundation for 30% of the total length (measured on plan) of approach ramp structure	0		30-Nov-15	0%														
MS 5.1.9 Complete retaining wall foundation for 40% of the total length (measured on plan) of approach ramp structure	0		31-Dec-15	0%														
MS 5.1.10 Complete retaining wall foundation for 50% of the total length (measured on plan) of approach ramp structure	0		31-Dec-15	0%														
MS 5.1.11 Complete retaining wall foundation for 60% of the total length (measured on plan) of approach ramp structure	0		30-Jan-16	0%														
MS 5.1.12 Complete retaining wall foundation for 70% of the total length (measured on plan) of approach ramp structure	0		30-Jan-16	0%														
MS 5.1.13 Complete retaining wall foundation for 80% of the total length (measured on plan) of approach ramp structure	0		29-Feb-16	0%														
MS 5.1.14 Complete retaining wall foundation for 90% of the total length (measured on plan) of approach ramp structure	0		29-Feb-16	0%														
MS 5.1.15 Complete retaining wall foundation for 100% of the total length (measured on plan) of approach ramp structure	0		31-Mar-16	0%														
South Ventilation Buildings																		
MS 7.1.1 Complete 100% of cofferdam for excavation	0		30-Sep-16	0%														
MS 7.1.2 Complete 100% of excavation to the formation level	0		30-Sep-16	0%														
MS 7.1.3 Complete 100% of foundation for the ventilation building	0		30-Apr-16	0%														
MS 7.1.4 Complete concreting works of 25% area of the total construction floor area for the ventilation building	0		31-Oct-16	0%														
MS 7.1.5 Complete concreting works of 50% area of the total construction floor area for the ventilation building	0		31-Dec-16	0%														
MS 7.1.6 Complete concreting works of 75% area of the total construction floor area for the ventilation building	0		28-Feb-17	0%														
North Ventilation Buildings																		
MS 7.2.4 Complete concreting works of 25% area of the total construction floor area for the ventilation building	0		30-Jul-16	0%														
MS 7.2.5 Complete concreting works of 50% area of the total construction floor area for the ventilation building	0		31-Oct-16	0%														

Activity Name	Orig Dur	DWP Start	DWP Finish	% Comp	2016			2017				
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
					MS 7.2.6 Complete concreting works of 75% area of the total construction floor area for the ventilation building	0		31-Dec-16	0%			
Facilities Provision for E&M Works for TBM Tunnel, Cut & Cover Tunnels and Cross Passages												
MS 9.1.1 Complete 25% of bonding terminal, opening and accessories, etc.	0		30-Sep-16	0%				◆ 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.	0		30-Sep-16	0%				◆ 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.	0		31-Jan-17	0%				◆ 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.	0		31-Jan-17	0%				◆ MS 9.1.4 Complete 50% of plinth, hoisting facilities and accessories, etc.				
Construction												
Northern Landfall												
North Reclamation (Phase 1)												
Box Culvert Extension												
Construction												
Ch000-010 Culvert Outfall												
Removal of temporary bulk head	18	25-Nov-15	15-Dec-15	0%								
Ch150-250 Marine Section												
ELS & Structure												
Pile A41/A39 CJ to Pile A39/A37 CJ												
ELS												
Excavation to 0.5m below strut S2	4	05-Feb-16	16-Feb-16	100%								
Installation of strut S2	6	17-Feb-16	23-Feb-16	100%								
Excavation to 0.5m below strut S1	5	24-Feb-16	29-Feb-16	100%								
Installation of strut S1	5	01-Mar-16	05-Mar-16	100%								
Excavation to FEL	5	07-Mar-16	11-Mar-16	100%								
Box Culvert Structure												
Pile cap construction	10	18-Mar-16	01-Apr-16	100%								
Base slab construction including kicker	6	15-Apr-16	21-Apr-16	0%								
Removal of strut S1	4	22-Apr-16	26-Apr-16	0%								
Sliding formworks 1st assembly	18	27-Apr-16	19-May-16	0%								
Walls & top slab construction	6	20-May-16	26-May-16	0%								
Removal of strut S2 & Backfilling up to required level	6	03-Jun-16	10-Jun-16	0%								
Pile A39/A37 CJ to Pile A37/A35 CJ												
ELS												
Excavation to 0.5m below strut S2	4	17-Feb-16	20-Feb-16	100%								
Installation of strut S2	6	22-Feb-16	27-Feb-16	100%								
Excavation to 0.5m below strut S1	5	01-Mar-16	05-Mar-16	100%								
Installation of strut S1	5	07-Mar-16	11-Mar-16	100%								
Excavation to FEL	5	12-Mar-16	17-Mar-16	100%								
Box Culvert Structure												
Pile cap construction	10	02-Apr-16	14-Apr-16	100%								
Base slab construction including kicker	6	22-Apr-16	28-Apr-16	0%								
Removal of strut S1	4	29-Apr-16	04-May-16	0%								
Walls & top slab construction	6	27-May-16	02-Jun-16	0%								
Removal of strut S2 & Backfilling up to required level	6	11-Jun-16	17-Jun-16	0%								
Pile A37/A35 CJ to Pile A35/A33 CJ												
ELS												
Excavation to 0.5m below strut S2	4	22-Feb-16	25-Feb-16	100%								
Installation of strut S2	6	26-Feb-16	03-Mar-16	100%								
Excavation to 0.5m below strut S1	5	07-Mar-16	11-Mar-16	100%								
Installation of strut S1	5	12-Mar-16	17-Mar-16	100%								
Excavation to FEL	5	18-Mar-16	23-Mar-16	100%								
Box Culvert Structure												
Pile cap construction	10	15-Apr-16	26-Apr-16	100%								
Base slab construction including kicker	6	29-Apr-16	06-May-16	0%								
Removal of strut S1	4	07-May-16	11-May-16	0%								
Walls & top slab construction	6	03-Jun-16	10-Jun-16	0%								
Removal of strut S2 & Backfilling up to required level	6	18-Jun-16	24-Jun-16	0%								
Pile A35/A33 CJ to Pile A33/P117 CJ												
ELS												
Excavation to 0.5m below strut S2	4	26-Feb-16	01-Mar-16	100%								
Installation of strut S2	6	02-Mar-16	08-Mar-16	100%								
Excavation to 0.5m below strut S1	5	12-Mar-16	17-Mar-16	100%								
Installation of strut S1	5	18-Mar-16	23-Mar-16	100%								
Excavation to FEL	5	24-Mar-16	01-Apr-16	100%								
Box Culvert Structure												
Pile cap construction	10	27-Apr-16	09-May-16	100%								
Base slab construction including kicker	6	10-May-16	17-May-16	0%								
Removal of strut S1	4	18-May-16	21-May-16	0%								
Walls & top slab construction	6	11-Jun-16	17-Jun-16	0%								
Pile A33/P117 CJ to Pile P113/P109 CJ												
Box Culvert Structure												
Base slab construction including kicker	6	18-May-16	24-May-16	0%								
Removal of strut S1	4	25-May-16	28-May-16	0%								
Walls & top slab construction	6	18-Jun-16	24-Jun-16	0%								
Pile P113/P109 CJ to Pile P105/P101 CJ												
Box Culvert Structure												
Base slab construction including kicker	6	25-May-16	31-May-16	50%								
Removal of strut S1	4	01-Jun-16	04-Jun-16	0%								
Pile P105/P101 CJ to Pile P97/P93 CJ												
Box Culvert Structure												
Base slab construction including kicker	6	01-Jun-16	07-Jun-16	0%								
Removal of strut S1	4	08-Jun-16	13-Jun-16	0%								
Pile P97/P93 CJ to Pile P89/P85 CJ												
Box Culvert Structure												
Base slab construction including kicker	6	08-Jun-16	15-Jun-16	50%								
Removal of strut S1	4	16-Jun-16	20-Jun-16	0%								
Pile P89/P85 CJ to Pile P81/P77 CJ												
Box Culvert Structure												
Base slab construction including kicker	6	16-Jun-16	22-Jun-16	0%								

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Activity Name	Orig Dur	DWP Start	DWP Finish	% Comp	2016		2017					
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
					Removal of strut S1	4	23-Jun-16	27-Jun-16	0%			
Pile P81/P77 CJ to Pile P73/P69 CJ												
Box Culvert Structure												
Base slab construction including kicker	6	23-Jun-16	29-Jun-16	100%								
Ch250-380 Marine Section												
Installation of Dewatering & Observation Well Ch 250-380	23	04-Nov-15	30-Nov-15	100%								
1st Pumping Test & Analysis	17	01-Dec-15	19-Dec-15	100%								
Toe Grouting	106	21-Dec-15	07-May-16	100%								
2nd Pumping test & Analysis	25	08-Apr-16	07-May-16	100%								
Remaining toe grouting Ch250-380	51	09-May-16	09-Jul-16	100%								
NewActivity	0			0%								
ELS & Structure												
Geotextile - Phase 2 Reclamation - along combi wall system	4	03-Dec-16	08-Dec-16	0%								
Sand Blanket - Phase 2 Reclamation - along combi wall system	6	08-Dec-16	15-Dec-16	0%								
Band Drain - Phase 2 Reclamation - along combi wall system	30	15-Dec-16	23-Jan-17	0%								
Public Fill - Phase 2 Reclamation - along combi wall system	14	23-Jan-17	15-Feb-17	0%								
Pile P73/P69 CJ to Pile P65/P61 CJ												
ELS												
Excavation to 0.5m below strut S1	9	15-Feb-17	25-Feb-17	0%								
Installation of strut S1	5	25-Feb-17	03-Mar-17	0%								
Excavation to FEL	5	03-Mar-17	09-Mar-17	0%								
Box Culvert Structure												
Base slab construction including kicker	6	16-Mar-17	23-Mar-17	0%								
Pile P65/P61 CJ to Pile P57/P53 CJ												
ELS												
Excavation to 0.5m below strut S1	9	22-Feb-17	04-Mar-17	0%								
Installation of strut S1	5	04-Mar-17	10-Mar-17	0%								
Excavation to FEL	5	10-Mar-17	16-Mar-17	0%								
Pile P57/P53 CJ to Pile P49/P45 CJ												
ELS												
Excavation to 0.5m below strut S1	9	01-Mar-17	11-Mar-17	0%								
Installation of strut S1	5	11-Mar-17	17-Mar-17	0%								
Excavation to FEL	5	17-Mar-17	23-Mar-17	0%								
Pile P49/P45 CJ to Pile P41/P37 CJ												
ELS												
Excavation to 0.5m below strut S1	9	08-Mar-17	18-Mar-17	0%								
Pile P41/P37 CJ to Pile P33/P29 CJ												
ELS												
Excavation to 0.5m below strut S1	9	15-Mar-17	25-Mar-17	0%								
Miscellaneous works												
Inspection Manhole (IM)												
Inspection Manhole IM-01 to IM-04 & backfilling to +6.0mPD	12	24-Sep-15	09-Oct-15	0%								
Inspection Manhole IM-09 to IM-12 & backfilling to +6.0mPD	18	20-Oct-16	09-Nov-16	0%								
Stop Log Opening (SLO)												
SLO-01 to SLO-05 & backfilling to +6.0mPD	24	10-Oct-15	07-Nov-15	0%								
Balance Hole (BH)												
BH-01 to BH-03 & backfilling to +6.0mPD	18	03-Sep-15	23-Sep-15	0%								
BH-04 to BH-06 & backfilling to +6.0mPD	18	05-Sep-16	26-Sep-16	0%								
BH-07 to BH-09 & backfilling to +6.0mPD	18	10-Nov-16	30-Nov-16	0%								
Desilting Opening (DO)												
DO-01 to DO-04 & backfilling to +6.0mPD	18	27-Sep-16	19-Oct-16	0%								
North Launching Shaft												
Design Submission												
(C1) DDA for North C&C Tunnel Permanent Structure												
SO's Review	35	24-May-14	27-Jun-14	90%								
SO Approval with Condition Received	0		27-Jun-14	0%								
North Ventilation Shaft												
Construction												
North Ventilation Shaft Structure												
NVS - ML03 Tunnel Structure	47	19-May-16	15-Jul-16	30%								
NVS - ML02 Tunnel Structure	44	05-Apr-16	27-May-16	46%								
TMCLK VO-008 - Construction of Viaduct Foundations at Portion N6A												
Viaduct Pile Cap												
Construction												
Pier G1b												
Pile Cap G1b - ELS Foundation	24	03-Dec-16	04-Jan-17	0%								
Pile Cap G1b - Removal of Existing ground slab	6	04-Jan-17	11-Jan-17	0%								
Pile Cap G1b - Excavation & ELS Installation	15	11-Jan-17	04-Feb-17	0%								
Pile Cap G1b - Blinding Concrete	3	04-Feb-17	08-Feb-17	0%								
Pile Cap G1b - Rebar & Concreting	18	08-Feb-17	01-Mar-17	0%								
Pile Cap G1b - Backfilling & Temp Reinstatement	6	01-Mar-17	08-Mar-17	0%								
Pier H1b												
Pile Cap H1b - ELS Foundation	24	08-Mar-17	06-Apr-17	0%								
Pier G1c												
Pile Cap G1c - Preparation for ELS	6	24-Oct-14	30-Oct-14	0%								
Pile Cap G1c - Removal of Existing ground slab	6	31-Oct-14	06-Nov-14	0%								
Pile Cap G1c - Excavation & ELS Installation	12	07-Nov-14	20-Nov-14	0%								
Pile Cap G1c - Blinding Concrete	3	21-Nov-14	24-Nov-14	0%								
Pile Cap G1c - Rebar & Concreting	18	25-Nov-14	15-Dec-14	0%								
Pile Cap G1c - Backfilling & Temp Reinstatement	6	16-Dec-14	22-Dec-14	0%								
Pier H1c												
Pile Cap H1c - Preparation for ELS	6	02-Nov-15	07-Nov-15	0%								
Pile Cap H1c - Removal of Existing ground slab	6	09-Nov-15	14-Nov-15	0%								
North Approach TBM Tunnelling & Cross Passage												
Construction												
Northern Landfall Surface Setup for TBM operation												
Gantry Removal at North TBM Launching Shaft	24	17-Mar-17	19-Apr-17	0%								

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Activity Name	Orig Dur	DWPF Start	DWPF Finish	% Comp	2016			2017						
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
Slurry Treatment Plant De commissioning & Removal	48	17-Mar-17	19-May-17	0%										
North Approach Tunnel Internal Structure - NB														
CP51 - Excavation & Lining completion	0		09-Nov-16	0%										
NB - North TBM Tunnel - Corbel & Cable Trough installation	42	31-Aug-16	22-Oct-16	91%										
NB - North TBM Tunnel - OHVD Slab installation	42	07-Sep-16	29-Oct-16	0%										
NB - North TBM Tunnel - Fire proofing and Provision to E&MS and TCSS Contract for KD1	42	14-Sep-16	05-Nov-16	0%										
North Approach Tunnel Internal Structure - SB														
SB - North TBM Tunnel - Corbel & Cable Trough installation	42	22-Oct-16	10-Dec-16	91%										
SB - North TBM Tunnel - OHVD Slab installation	42	29-Oct-16	17-Dec-16	3%										
SB - North TBM Tunnel - Fire proofing & Provision to E&MS and TCSS Contract for KD1	42	05-Nov-16	24-Dec-16	0%										
North Approach Cross Passage														
CP55 - Traditional Method														
CP Finishing & Demobilization	18	23-May-16	14-Jun-16	100%										
CP52 - Pipe Jacking Method														
CP Finishing & Demobilization	21	24-Mar-16	22-Apr-16	100%										
CP51 - Traditional Method														
CP Excavation	14	14-Sep-16	28-Sep-16	100%										
CP Lining	14	28-Sep-16	12-Oct-16	100%										
2nd Segment Opening	7	12-Oct-16	19-Oct-16	100%										
CP Finishing & Demobilization	18	19-Oct-16	09-Nov-16	100%										
CP50 - Pipe Jacking Method														
CP Finishing & Demobilization	21	27-Jun-16	21-Jul-16	100%										
North Ventilation Building														
Design Submission														
(A11) Submissions to Design Advisory Panel of ArchSD														
ArchSD's comment	30	10-Jun-14	09-Jul-14	93%										
(I1) DDA for North Vent.Bldgs. GBP & Arch.Submission														
IPs Review	28	21-Aug-14	17-Sep-14	92%										
IP's No Objection Received	0		17-Sep-14	0%										
SO's Review	35	21-Aug-14	24-Sep-14	94%										
SO Approval with Condition Received	0		24-Sep-14	0%										
(I1) DDA for North & South Vent.Bldg. ABWF works														
IPs/ SO's Advance Comments/ ICE Comments	28	03-Dec-14	30-Dec-14	88%										
Comments Received	0		30-Dec-14	0%										
Designer to Reply PtC + Update Submission	21	31-Dec-14	24-Jan-15	0%										
Submit Updated DDA to SO/ ICE/ IPs	0	26-Jan-15		0%										
ICE Approval & Issue Check Cert	18	26-Jan-15	14-Feb-15	0%										
Submit ICE Check Cert to SO	6	16-Feb-15	25-Feb-15	0%										
IPs Review	28	26-Jan-15	22-Feb-15	0%										
IP's No Objection Received	0		22-Feb-15	0%										
SO's Review	35	26-Jan-15	01-Mar-15	0%										
SO Approval with Condition Received	0		02-Mar-15	0%										
(I2) DDA for North Vent.Bldgs.Structural Design incl.Vent.Connections														
IPs Review	28	24-Dec-14	20-Jan-15	92%										
IP's No Objection Received	0		20-Jan-15	0%										
SO's Review	35	24-Dec-14	27-Jan-15	92%										
SO Approval with Condition Received	0		27-Jan-15	0%										
(I3) DDA for North & South Vent.Bldgs. Service and E&M Provision														
ICE Approval & Issue Check Cert	12	15-Jan-15	28-Jan-15	100%										
Submit ICE Check Cert to SO	6	29-Jan-15	04-Feb-15	100%										
IPs Review	28	15-Jan-15	11-Feb-15	92%										
IP's No Objection Received	0		11-Feb-15	0%										
SO's Review	35	15-Jan-15	18-Feb-15	91%										
SO Approval with Condition Received	0		18-Feb-15	0%										
Construction														
Substructure	120	28-Jun-16	19-Nov-16	0%										
Superstructure	120	19-Nov-16	24-Apr-17	0%										
North Reclamation (Phase 2)														
Construction														
Dredging - Phase 2 (Zone G)	18	03-Dec-16	24-Dec-16	10%										
VS - Rock Grade 400 - Zone G	9	24-Dec-16	07-Jan-17	0%										
VS - Levelling Stone & Seawall Block - Zone G	27	07-Jan-17	15-Feb-17	0%										
VS - Rock Type A - Zone G	10	15-Feb-17	27-Feb-17	0%										
Vertical Seawall - Bermstone - (Zone G)	18	27-Feb-17	20-Mar-17	0%										
Vertical Seawall - Seawall Copping - (Zone G)	78	27-Feb-17	06-Jun-17	0%										
Geotextile (Zone G)	11	24-Dec-16	10-Jan-17	0%										
Sand Blanket (Zone G)	21	31-Dec-16	26-Jan-17	0%										
Band Drain (Zone G)	30	14-Jan-17	25-Feb-17	0%										
Reclamation - Phase 2	24	11-Feb-17	11-Mar-17	0%										
Backfilling to +10mPD - Phase 2	48	25-Feb-17	27-Apr-17	0%										
North Surface Roadworks, Utility & Drainage works														
Construction														
North Landfall - Underground Sewerage & Drainage - Summary	408	27-Jan-17	26-Jun-18	0%										
North Landfall - Underground Sewerage & Drainage - Portion N5	139	11-Mar-17	30-Aug-17	0%										
Sub-sea Tunnel														
Sub-sea TBM Tunnelling														
Major Procurement														
Precast Segment ID12.40 - Production for Sub-sea TBM Tunnel														
ID12.40 TBM Segment Ring Fabrication - 12 rings per day	300	22-Nov-14	19-Dec-15	89%										
Design Submission														
(G1) DDA for TBM Tunnel Lining Structural Design - Sub-sea tunnel														
Sub-sea TBM Tunnel Segment - Fabrication	265	06-Oct-14	26-Aug-15	89%										
(G3) DDA for TBM Tunnel Internal Structures (Sub-sea)														
Sub-sea Tunnel - Precast Gallery Fabrication	244	22-Jan-15	18-Nov-15	84%										
Construction														
Sub-sea TBM Tunnel - NB ID12.2m - S881														
NB - Sub-sea TBM Tunnel - CDG with Saturation (Ch5550 to 5330 - 220m)	18	14-Aug-16	02-Sep-16	100%										

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Activity Name	Orig Dur	DWP Start	DWP Finish	% Comp	2016						2017							
					2016		2017		2017		2017		2017					
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug			
NB - Sub-sea TBM Tunnel - CDG with Saturation (Ch5330 to 4950 - 380m)	30	02-Sep-16	02-Oct-16	100%														
NB - Sub-sea TBM Tunnel - CDG with Saturation (Ch4950 to 4870 - 80m)	6	02-Oct-16	08-Oct-16	100%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch4870 to 4750 - 120m)	8	08-Oct-16	16-Oct-16	100%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch4750 to 4600 - 150m)	10	16-Oct-16	26-Oct-16	100%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch4600 to 4400 - 200m)	13	26-Oct-16	08-Nov-16	100%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch4400 to 4300 - 100m)	6	08-Nov-16	14-Nov-16	100%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch4300 to 4200 - 100m)	6	14-Nov-16	20-Nov-16	76%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch4200 to 3830 - 370m)	26	20-Nov-16	16-Dec-16	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3830 to 3710 - 120m)	8	16-Dec-16	24-Dec-16	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3710 to 3590 - 120m)	8	24-Dec-16	01-Jan-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3590 to 3460 - 130m)	8	01-Jan-17	09-Jan-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3460 to 3360 - 100m)	7	09-Jan-17	16-Jan-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3360 to 3160 - 200m)	13	16-Jan-17	01-Feb-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3160 to 3060 - 100m)	7	01-Feb-17	08-Feb-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3060 to 2920 - 140m)	10	08-Feb-17	18-Feb-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2920 to 2820 - 100m)	7	18-Feb-17	25-Feb-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch2820 to 2720 - 100m)	6	25-Feb-17	03-Mar-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2720 to 2673 - 47m)	3	03-Mar-17	06-Mar-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2673 to 2574 - 99m)	7	06-Mar-17	13-Mar-17	0%														
NB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2574 to 2512 - 62m)	4	13-Mar-17	17-Mar-17	0%														
Sub-sea TBM Tunnel - SB ID12.2m - S882																		
SB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch4621 to 4421 - 200m)	13	12-Sep-16	25-Sep-16	100%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch4421 to 4321 - 100m)	6	25-Sep-16	01-Oct-16	100%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch4321 to 4221 - 100m)	6	01-Oct-16	07-Oct-16	100%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch4221 to 3851 - 370m)	26	07-Oct-16	02-Nov-16	100%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3851 to 3731 - 120m)	8	02-Nov-16	10-Nov-16	100%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3731 to 3611 - 120m)	8	10-Nov-16	18-Nov-16	100%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3611 to 3481 - 130m)	8	18-Nov-16	26-Nov-16	100%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3481 to 3381 - 100m)	7	26-Nov-16	03-Dec-16	100%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch3381 to 3181 - 200m)	13	03-Dec-16	16-Dec-16	100%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3181 to 3081 - 100m)	7	16-Dec-16	23-Dec-16	80%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch3081 to 2941 - 140m)	10	23-Dec-16	02-Jan-17	0%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2941 to 2841 - 100m)	7	02-Jan-17	09-Jan-17	0%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS sandy with Trimix (Ch2841 to 2741 - 100m)	6	09-Jan-17	15-Jan-17	0%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2741 to 2694 - 47m)	3	15-Jan-17	18-Jan-17	0%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2694 to 2595 - 99m)	7	18-Jan-17	25-Jan-17	0%														
SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2595 to 2533 - 62m)	4	25-Jan-17	01-Feb-17	0%														
SB - TBM Removal at Southern Landfall	60	01-Feb-17	02-Apr-17	0%														
Sub-sea TBM Tunnel - NB - Precast Invert Gallery																		
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP39	3	02-Sep-16	05-Sep-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP38	8	07-Sep-16	15-Sep-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP37	8	15-Sep-16	23-Sep-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP36	8	23-Sep-16	01-Oct-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP35	7	01-Oct-16	08-Oct-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP34	8	08-Oct-16	16-Oct-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP33	4	16-Oct-16	20-Oct-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP32	6	20-Oct-16	26-Oct-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP31	8	26-Oct-16	03-Nov-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP30	6	03-Nov-16	09-Nov-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP29	6	09-Nov-16	15-Nov-16	100%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP28	6	15-Nov-16	21-Nov-16	50%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP27	7	21-Nov-16	28-Nov-16	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP26	7	28-Nov-16	05-Dec-16	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP25	7	05-Dec-16	12-Dec-16	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP24	7	12-Dec-16	19-Dec-16	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP23	6	19-Dec-16	25-Dec-16	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP22	7	25-Dec-16	01-Jan-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP21	5	01-Jan-17	06-Jan-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP20	8	06-Jan-17	14-Jan-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP19	6	14-Jan-17	20-Jan-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP18	6	20-Jan-17	26-Jan-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP17	7	26-Jan-17	05-Feb-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP16	7	05-Feb-17	12-Feb-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP15	7	12-Feb-17	19-Feb-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP14	7	19-Feb-17	26-Feb-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP13	6	26-Feb-17	04-Mar-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP12	7	04-Mar-17	11-Mar-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP11	6	11-Mar-17	17-Mar-17	0%														
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP10	6	17-Mar-17	23-Mar-17	0%														
Sub-sea TBM Tunnel - SB - Precast Invert Gallery																		
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP32	6	15-Sep-16	21-Sep-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP31	10	21-Sep-16	01-Oct-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP30	7	01-Oct-16	08-Oct-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP29	6	08-Oct-16	14-Oct-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP28	11	14-Oct-16	25-Oct-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP27	6	25-Oct-16	31-Oct-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP26	11	31-Oct-16	11-Nov-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP25	6	11-Nov-16	17-Nov-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP24	8	17-Nov-16	25-Nov-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP23	13	25-Nov-16	08-Dec-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP22	8	08-Dec-16	16-Dec-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP21	9	16-Dec-16	25-Dec-16	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP20	7	25-Dec-16	01-Jan-17	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP19	7	01-Jan-17	08-Jan-17	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP18	12	08-Jan-17	20-Jan-17	100%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP17	6	20-Jan-17	26-Jan-17	17%														
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP16	10	26-Jan-17	08-Feb-17	0%														

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Project ID: TMCLK DWP 16W25

Data Date: 01-Jan-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 01-Jan-17

Activity Name	Orig Dur	DWPF Start	DWPF Finish	% Comp	2016						2017									
					2016			2017			2017		2017							
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May								
CP - Remaining Internal Structure & Finishing	21	04-Feb-17	28-Feb-17	0%																
CP31 - ML03 - Ch4823																				
CP - Pipe Jacking Method - Setup & Assembly	23	09-Nov-16	06-Dec-16	0%																
CP - Piping Jacking Method - Break-in & Excavation	10	13-Jan-17	22-Jan-17	0%																
CP - Pipe Jacking Method - Break-out & Demobilization	12	23-Jan-17	03-Feb-17	0%																
CP - Remaining Internal Structure & Finishing	21	04-Feb-17	28-Feb-17	0%																
CP30 - ML03 - Ch4724																				
CP - Pipe Jacking Method - Setup & Assembly	23	15-Nov-16	12-Dec-16	0%																
CP - Piping Jacking Method - Break-in & Excavation	10	31-Jan-17	10-Feb-17	0%																
CP - Pipe Jacking Method - Break-out & Demobilization	12	10-Feb-17	22-Feb-17	0%																
CP - Remaining Internal Structure & Finishing	21	22-Feb-17	18-Mar-17	0%																
CP29 - ML03 - Ch4626																				
CP - Pipe Jacking Method - Setup & Assembly	23	21-Nov-16	17-Dec-16	0%																
CP - Piping Jacking Method - Break-in & Excavation	10	04-Feb-17	13-Feb-17	0%																
CP - Pipe Jacking Method - Break-out & Demobilization	12	14-Feb-17	25-Feb-17	0%																
CP - Remaining Internal Structure & Finishing	21	27-Feb-17	22-Mar-17	0%																
CP28 - ML03 - Ch4527																				
CP - Pipe Jacking Method - Setup & Assembly	23	28-Nov-16	24-Dec-16	0%																
CP - Piping Jacking Method - Break-in & Excavation	10	22-Feb-17	04-Mar-17	0%																
CP - Pipe Jacking Method - Break-out & Demobilization	12	04-Mar-17	16-Mar-17	0%																
CP - Remaining Internal Structure & Finishing	21	16-Mar-17	11-Apr-17	0%																
CP27 - ML03 - Ch4429																				
CP - Pipe Jacking Method - Setup & Assembly	23	05-Dec-16	04-Jan-17	0%																
CP - Piping Jacking Method - Break-in & Excavation	10	26-Feb-17	07-Mar-17	0%																
CP - Pipe Jacking Method - Break-out & Demobilization	12	08-Mar-17	19-Mar-17	0%																
CP26 - ML03 - Ch4330																				
CP - Pipe Jacking Method - Setup & Assembly	23	12-Dec-16	11-Jan-17	0%																
CP - Piping Jacking Method - Break-in & Excavation	10	16-Mar-17	26-Mar-17	0%																
CP25 - ML03 - Ch4232																				
CP - Pipe Jacking Method - Setup & Assembly	23	19-Dec-16	18-Jan-17	0%																
CP24 - ML03 - Ch4133																				
CP - Pipe Jacking Method - Setup & Assembly	23	28-Dec-16	24-Jan-17	0%																
CP23 - ML03 - Ch4035																				
CP - Pipe Jacking Method - Setup & Assembly	23	03-Jan-17	04-Feb-17	0%																
CP22 - ML03 - Ch3936																				
CP - Pipe Jacking Method - Setup & Assembly	23	06-Jan-17	09-Feb-17	0%																
CP21 - ML03 - Ch3838																				
CP - Pipe Jacking Method - Setup & Assembly	23	14-Jan-17	17-Feb-17	0%																
CP20 - ML03 - Ch3739																				
CP - Pipe Jacking Method - Setup & Assembly	23	20-Jan-17	23-Feb-17	0%																
CP19 - ML03 - Ch3641																				
CP - Pipe Jacking Method - Setup & Assembly	23	26-Jan-17	01-Mar-17	0%																
CP18 - ML03 - Ch3542																				
CP - Pipe Jacking Method - Setup & Assembly	23	06-Feb-17	03-Mar-17	0%																
CP17 - ML03 - Ch3444																				
CP - Pipe Jacking Method - Setup & Assembly	23	13-Feb-17	10-Mar-17	0%																
CP16 - ML03 - Ch3345																				
CP - Pipe Jacking Method - Setup & Assembly	23	20-Feb-17	17-Mar-17	0%																
CP15 - ML03 - Ch3247																				
CP - Pipe Jacking Method - Setup & Assembly	23	27-Feb-17	24-Mar-17	0%																
CP14 - ML03 - Ch3148																				
CP - Pipe Jacking Method - Setup & Assembly	23	04-Mar-17	31-Mar-17	0%																
CP13 - ML03 - Ch3050																				
CP - Pipe Jacking Method - Setup & Assembly	23	11-Mar-17	08-Apr-17	0%																
CP12 - ML03 - Ch2951																				
CP - Pipe Jacking Method - Setup & Assembly	23	17-Mar-17	18-Apr-17	0%																
Sub-sea TBM Tunnel - NB - Remaining Internal Structure																				
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP44	5	19-Sep-16	23-Sep-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP43	5	24-Sep-16	29-Sep-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP42	5	12-Oct-16	17-Oct-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP41	5	17-Oct-16	22-Oct-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP40	5	04-Nov-16	09-Nov-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP39	5	09-Nov-16	14-Nov-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP38	5	26-Nov-16	01-Dec-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP37	5	01-Dec-16	06-Dec-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP36	5	19-Dec-16	23-Dec-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP35	5	24-Dec-16	28-Dec-16	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP34	3	09-Jan-17	11-Jan-17	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP33	5	12-Jan-17	16-Jan-17	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP32	5	04-Feb-17	08-Feb-17	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP31	5	09-Feb-17	13-Feb-17	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP30	5	22-Feb-17	27-Feb-17	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP29	5	27-Feb-17	04-Mar-17	0%																
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP28	5	16-Mar-17	21-Mar-17	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP44	4	24-Sep-16	27-Sep-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP43	4	29-Sep-16	03-Oct-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP42	4	17-Oct-16	21-Oct-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP41	4	22-Oct-16	26-Oct-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP40	4	09-Nov-16	13-Nov-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP39	4	14-Nov-16	18-Nov-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP38	4	01-Dec-16	05-Dec-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP37	4	06-Dec-16	10-Dec-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP36	4	24-Dec-16	27-Dec-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP35	3	29-Dec-16	31-Dec-16	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP34	6	12-Jan-17	17-Jan-17	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP33	5	18-Jan-17	22-Jan-17	0%																
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP32	4	09-Feb-17	12-Feb-17	0%																

Activity Name	Orig Dur	DWP Start	DWP Finish	% Comp	2016		2017					
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
					Re-submission	18	29-May-15	18-Jun-15	0%			
Construction												
C&C Tunnel - 2nd 85m - Tunnel Structure	83	14-Jun-16	20-Sep-16	0%	C&C Tunnel - 2nd 85m - Tunnel Structure							
C&C Tunnel - 2nd 85m - Backfilling	9	21-Sep-16	30-Sep-16	0%	C&C Tunnel - 2nd 85m - Backfilling							
C&C Tunnel - 3rd 85m - Tunnel Structure	83	26-Jul-16	02-Nov-16	0%	C&C Tunnel - 3rd 85m - Tunnel Structure							
C&C Tunnel - 3rd 85m - Backfilling	15	03-Nov-16	19-Nov-16	0%	C&C Tunnel - 3rd 85m - Backfilling							
C&C Tunnel - 4th 85m - Tunnel Structure	83	05-Sep-16	13-Dec-16	0%	C&C Tunnel - 4th 85m - Tunnel Structure							
C&C Tunnel - 4th 85m - Backfilling	14	14-Dec-16	31-Dec-16	0%	C&C Tunnel - 4th 85m - Backfilling							
C&C Tunnel - 5th 85m - Excavation by vertical mean	44	22-Aug-16	14-Oct-16	0%	C&C Tunnel - 5th 85m - Excavation by vertical mean							
C&C Tunnel - 5th 85m - Tunnel Structure	83	19-Oct-16	26-Jan-17	0%	C&C Tunnel - 5th 85m - Tunnel Structure							
C&C Tunnel - 5th 85m - Backfilling	19	27-Jan-17	24-Feb-17	0%	C&C Tunnel - 5th 85m - Backfilling							
C&C Tunnel - 6th 85m - Excavation by ramp	27	22-Aug-16	22-Sep-16	0%	C&C Tunnel - 6th 85m - Excavation by ramp							
C&C Tunnel - 6th 85m - Excavation by vertical mean	52	23-Sep-16	24-Nov-16	0%	C&C Tunnel - 6th 85m - Excavation by vertical mean							
C&C Tunnel - 6th 85m - Tunnel Structure	83	29-Nov-16	15-Mar-17	0%	C&C Tunnel - 6th 85m - Tunnel Structure							
C&C Tunnel - 6th 85m - Backfilling	20	16-Mar-17	08-Apr-17	0%	C&C Tunnel - 6th 85m - Backfilling							
C&C Tunnel - 7th 152m - Excavation by ramp	15	03-Nov-16	19-Nov-16	0%	C&C Tunnel - 7th 152m - Excavation by ramp							
C&C Tunnel - 7th 67m - Excavation by vertical mean	42	21-Nov-16	11-Jan-17	0%	C&C Tunnel - 7th 67m - Excavation by vertical mean							
C&C Tunnel - 7th 67m - Tunnel Structure	78	12-Jan-17	24-Apr-17	0%	C&C Tunnel - 7th 67m - Tunnel Structure							
C&C Tunnel - 8th 85m - Excavation by vertical mean	42	04-Jan-17	28-Feb-17	0%	C&C Tunnel - 8th 85m - Excavation by vertical mean							
C&C Tunnel - 8th 85m - Tunnel Structure	88	01-Mar-17	19-Jun-17	0%	C&C Tunnel - 8th 85m - Tunnel Structure							
Intermediate Slab	164	20-Dec-16	18-Jul-17	0%	Intermediate Slab							
South Retrieval Shaft												
Design Submission												
(F4) Gantry Crane Support/Foundations in Southern Landfall												
Preparation of IFA Gantry Crane / Foundation	18	27-Jul-15	15-Aug-15	100%								
Review & Comment by JV	18	17-Aug-15	05-Sep-15	100%								
Designer prepare IFA	10	07-Sep-15	17-Sep-15	100%								
Formal Submission of IFA to ICE/ IPs	0		17-Sep-15	100%								
Advanced Submission to SO	0		17-Sep-15	100%								
IPs/ SO's Advance Comments/ ICE Comments	28	18-Sep-15	15-Oct-15	88%								
Comments Received	0		15-Oct-15	0%								
Designer to Reply RtC + Update Submission	21	16-Oct-15	10-Nov-15	0%								
Submit Updated IFA to SO/ ICE/ IPs	0	11-Nov-15		0%								
ICE Approval & Issue Check Cert	12	11-Nov-15	24-Nov-15	0%								
IPs Review	28	11-Nov-15	08-Dec-15	0%								
SO's Review	35	11-Nov-15	15-Dec-15	0%								
Method Statement Submission												
Method Statement of Construction Methodology of Retrieval Shaft												
Preparation Method Statement for Retrieval Shaft	25	24-Aug-15	21-Sep-15	0%								
Submit Method Statement to SO	0		21-Sep-15	0%								
SO Reviews & Comments	28	22-Sep-15	19-Oct-15	0%								
Construction												
South Landfall GI Works/DW Setting Up	48	06-Aug-15	02-Oct-15	0%								
South Retrieval Shaft - Diaphragm Wall	98	03-Oct-15	29-Jan-16	80%								
Retrieval Shaft - Excavation - Soft (other than Fill)	140	15-Apr-16	30-Sep-16	0%	Retrieval Shaft - Excavation - Soft (other than Fill)							
Retrieval Shaft - Temp. Slab/Prepare for TBM Breakthrough	48	03-Oct-16	28-Nov-16	0%	Retrieval Shaft - Temp. Slab/Prepare for TBM Breakthrough							
South Approach Ramp												
Construction												
Approach Ramp (CH1580-1850) - Pipe Pile/Sheet Piles Wall	126	03-Oct-15	09-Mar-16	0%								
Approach Ramp (CH1580-1850) - Tension Piles	103	03-Oct-15	04-Feb-16	0%								
Approach Ramp (CH1580-1800) - Excavation,	22	16-Mar-17	11-Apr-17	0%								
South Ventilation Building												
Design Submission												
(I1) DDA for South Vent.Bldg. GBP & Arch.Submission												
IPs Review	28	22-Dec-14	18-Jan-15	88%								
IP's No Objection Received	0		18-Jan-15	0%								
SO's Review	35	22-Dec-14	25-Jan-15	91%								
SO Approval with Condition Received	0		26-Jan-15	0%								
(I2) DDA for South Vent.Bldg. Foundation Design												
Review & Comment by JV	18	27-Apr-15	18-May-15	88%								
Designer prepare DDA	10	19-May-15	30-May-15	0%								
Formal Submission of DDA to ICE/ IPs	0		30-May-15	0%								
Advanced Submission to SO	0		30-May-15	0%								
IPs/ SO's Advance Comments/ ICE Comments	28	31-May-15	27-Jun-15	0%								
Comments Received	0		27-Jun-15	0%								
Designer to Reply RtC + Update Submission	21	29-Jun-15	23-Jul-15	0%								
Submit Updated DDA to SO/ ICE/ IPs	0	24-Jul-15		0%								
ICE Approval & Issue Check Cert	18	24-Jul-15	13-Aug-15	0%								
IPs Review	28	24-Jul-15	20-Aug-15	0%								
SO's Review	35	24-Jul-15	27-Aug-15	0%								
(I2) DDA for South Vent.Bldg.Structural Design incl.Vent.Connections												
Review & Comment by JV	18	18-Feb-15	13-Mar-15	76%								
Designer prepare DDA	10	14-Mar-15	25-Mar-15	0%								
Formal Submission of DDA to ICE/ IPs	0		25-Mar-15	0%								
Advanced Submission to SO	0		25-Mar-15	0%								
IPs/ SO's Advance Comments/ ICE Comments	28	26-Mar-15	22-Apr-15	0%								
Comments Received	0		22-Apr-15	0%								
Designer to Reply RtC + Update Submission	21	23-Apr-15	18-May-15	0%								
(J1) DDA Temp.works for Construction of Sth.Vent.Bldg.												
Designer to Reply RtC + Update Submission	21	24-Aug-15	16-Sep-15	90%								
Submit Updated DDA to SO/ ICE/ IPs	0	17-Sep-15		0%								
ICE Approval & Issue Check Cert	12	17-Sep-15	02-Oct-15	0%								
Submit ICE Check Cert to SO	6	03-Oct-15	09-Oct-15	0%								
IPs Review	28	17-Sep-15	14-Oct-15	0%								
IP's No Objection Received	0		14-Oct-15	0%								
SO's Review	35	17-Sep-15	21-Oct-15	0%								
SO Approval with Condition Received	0		22-Oct-15	0%								

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Date	Revision	Checked	Approved
12-Feb-14	TMCLKDBJENPRG98507	WYu	SPs
08-Apr-14	TMCLKDBJENPRG98507 Rev.B	SPs	WYu
28-Aug-14	TMCLKDBJENPRG98507 Rev.C	CLa	WYu
30-Oct-15	TMCLKDBJENPRG98507 Rev.F	WYu	

Activity Name	Orig Dur	DWPF Start	DWPF Finish	% Comp	2016					2017								
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May						
Construction																		
Mobilization & Setting Up Piling Rigs	64	06-Aug-15	22-Oct-15	0%														
Substructure	95	06-Sep-16	30-Dec-16	0%														
Superstructure	65	31-Dec-16	24-Mar-17	0%														
South Surface Roadworks, Utility & Drainage works																		
Design Submission																		
(E1) AIP - Southern Landfall Seawall Modification																		
Designer Prepare AIP - Southern Landfall Seawall Modification	36	08-Nov-16	19-Dec-16	100%														
Review & Comment by JV	12	20-Dec-16	05-Jan-17	100%														
Designer prepare AIP	6	06-Jan-17	12-Jan-17	100%														
Formal Submission of AIP to ICE/IPs	0		12-Jan-17	100%														
Advanced Submission of AIP to SO	0		12-Jan-17	100%														
Review & Comment by SO/ ICE/ IPs	28	13-Jan-17	09-Feb-17	100%														
Advance Comments from SO/ Comments from ICE/ IPs Received	0		09-Feb-17	100%														
Designer to Prepare RTC & Updated AIP	18	10-Feb-17	02-Mar-17	100%														
Submission of AIP to SO/ ICE together with Reply To Comment (RTC)	0		02-Mar-17	100%														
Reply to IPs Comments in RTC	0		02-Mar-17	100%														
ICE Approval & Issue of Design Check Cert.	18	03-Mar-17	23-Mar-17	100%														
SO Review (35 Days)	35	03-Mar-17	06-Apr-17	100%														
(E1) DDA - Southern Landfall Seawall Modification																		
Designer to Reply RTC + Update Submission	21	05-Jul-17	28-Jul-17	83.33%														
Submit Updated DDA to SO/ ICE/ IPs	0	29-Jul-17		0%														
ICE Approval & Issue Check Cert	12	29-Jul-17	11-Aug-17	0%														
Submit ICE Check Cert to SO	6	12-Aug-17	18-Aug-17	0%														
IPs Review	28	29-Jul-17	25-Aug-17	0%														
IP's No Objection Received	0		25-Aug-17	0%														
SO's Review	35	29-Jul-17	01-Sep-17	0%														
SO Approval with Condition Received	0		01-Sep-17	0%														
(E3) DDA for Sewerage, Drainage, Waterworks & Utility works for South Landfall																		
IPs Review	28	02-Mar-15	29-Mar-15	100%														
IP's No Objection Received	0		29-Mar-15	100%														
SO's Review	35	02-Mar-15	05-Apr-15	100%														
SO Approval with Condition Received	0		08-Apr-15	100%														
Method Statement Submission																		
Method Statement of Ground Treatment for TBMs Passing under Southern Landfall Seawall																		
Preparation Method Statement for Ground Improvement in South Landfall	9	20-Jul-15	29-Jul-15	0%														
Submit Method Statement to SO	0		29-Jul-15	0%														
SO Reviews & Comments	28	30-Jul-15	26-Aug-15	0%														
Re-submission	6	27-Aug-15	02-Sep-15	0%														
SO's Review	28	03-Sep-15	30-Sep-15	0%														
SO's Approval	0		30-Sep-15	0%														
Construction																		
Temporary Platform for Ground Treatment for TBM passing under Southern Seawall	48	06-Aug-15	02-Oct-15	0%														
Grouting Treatment for TBM passing under Southern Seawall	339	03-Oct-15	25-Nov-16	0%														
Testing & Commissioning/Inspection & Handover																		
Final Inspection & Handover																		
Design Submission																		
(A12) Maintenance Matrix																		
Preparation of Maintenance Matrix	35	24-Dec-15	05-Feb-16	100%														
Prepare Re-submission	18	12-Mar-16	06-Apr-16	88%														
2nd Submission	0		06-Apr-16	0%														
SO's Condition Approval	35	07-Apr-16	11-May-16	0%														
(A13) Operation & Maintenance Manual																		
Preparation of Operation and Maintenance Manual	48	24-Dec-15	27-Feb-16	0%														
1st Submission	0		27-Feb-16	0%														
SO's Comments for 1st Submission	35	28-Feb-16	02-Apr-16	0%														
Prepare Re-submission	24	05-Apr-16	03-May-16	0%														
(A14) As-built & As-fabricated Drawings																		
Preparation of As-built and As-fabricated Drawings	48	24-Dec-15	27-Feb-16	0%														
1st Submission	0		27-Feb-16	0%														
SO's Comments for 1st Submission	35	28-Feb-16	02-Apr-16	0%														
(A15) Health & Safety File incl. As-built Dwgs & Records, Maintenance Schedules, O&M Manual																		
Preparation of Health and Safety File including as-built drawings and records, maintenance schedules, op	48	24-Dec-15	27-Feb-16	0%														
1st Submission	0		27-Feb-16	0%														
SO's Comments for 1st Submission	35	28-Feb-16	02-Apr-16	0%														

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