

Activity Name	Orig Dur	DWP Start	DWP Finish	2015			2016				
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
TMCLK - Northern Connection Sub-Sea Tunnel Section											
Contract Dates											
Commencement and Completion Dates											
KD06 - Completion of Section 1B - Portion N8	0		03-Dec-15			◆ KD06 - Completion of Section 1B - Portion N8					
Site Possession Date											
Portions: X1,(N10,11,13 & 14) - Sth Landfall	0	06-Aug-15				◆ 3 & 14) - Sth Landfall					
Handover Date											
Portions: N8A, N8B(above +3), N8C	0		03-Dec-15			◆ Portions: N8A, N8B(above +3), N8C					
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								
Sediment Quality Report/Dumping Permit											
Southern Landfall											
Southern landfall - Commencement of Shaft & C&C Tunnel Dwall	0	03-Oct-15				◆ Southern landfall - Commencement of Shaft & C&C Tunnel Dwall					
Southern Landfall - Commencement of Retrieval Shaft Excavation	0	30-Jan-16					◆ Southern Landfall - Commencement of Retrieval Shaft Excavation				
Southern Landfall - Commencement of C&C Tunnel Excavation	0	03-Mar-16						◆ Southern Landfall - Commencement of C&C Tunnel Excavation			
Sediment Sampling & Testing Plan (SSTP) - if required											
Complete SSTP and Obtain EPD's approval	24	17-Feb-15	23-Mar-15								
Sediment Quality Report (SQR) - if required											
Advance Ground Investigation works for Sediment sampling	24	24-Mar-15	24-Apr-15								
Sediment Sample Testing & Report preparation	120	25-Apr-15	16-Sep-15								
Update SQR - Submission & EPD Approval	48	17-Sep-15	14-Nov-15								
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								
Notify the results and issue Loading Permit for Local & Cross Boundary Crossing - for Dwall	24	17-Feb-15	23-Mar-15								
Submit draft application document for Loading Permit to EPD for comment - for Excavation	96	23-Jul-15	14-Nov-15								
Finalize the application document and submit to EPD - for Excavation	24	16-Nov-15	12-Dec-15								
Notify the results and issue Loading Permit for Local & Cross Boundary Crossing - for Excavation	24	14-Dec-15	13-Jan-16								
Dumping at Sea Ordinance (DASO)											
Submit application for local dumping	24	16-Nov-15	12-Dec-15								
Approval for Dumping at Sea Ordinance	24	14-Dec-15	13-Jan-16								
Cross Boundary Dumping Permit											
Apply for Cross Boundary Dumping Permit	24	14-Jan-16	17-Feb-16								
Cross Boundary Dumping Approval	24	18-Feb-16	16-Mar-16								
Issuance of PRC Permit for Cat L, Mp	0		16-Mar-16								
General Design Submissions											
(G6) IFA for Tunnel GBP											
SO's Review	35	29-Apr-14	02-Jun-14								
SO Approval with Condition Received	0		03-Jun-14								
PAYMENT MILESTONE											
Design and Design Checking of the Works											
MS 2.12 Approve DDA for ground treatment at Southern Landfall by the Supervising Officer	0		31-Aug-15								
MS 2.20.3 Approve DDA for Cross Passages by the Supervising Officer by the Supervising Officer	0		31-Mar-15								
MS 2.23 Submit DDA for Cut-and-cover Tunnel and Cross Passages at Southern Landfall	0		31-Jan-15								
MS 2.24 Approve DDA for Cut-and-cover Tunnel and Cross Passages at Southern Landfall by the Supervising Officer	0		30-Apr-15								
MS 2.32 Approve DDA for Approach Ramp Structures to Cut-and-cover Tunnels by the Supervising Officer	0		30-Apr-15								
MS 2.44 Approve DDA for South Ventilation Building by the Supervising Officer	0		30-Jun-15								
MS 2.48 Approve DDA for North Ventilation Building by the Supervising Officer	0		31-Jan-15								
MS 2.51 Submit DDA for Facilities Provision for TCSS	0		29-Nov-14								
MS 2.52 Approve DDA for Facilities Provision for TCSS by the Supervising Officer	0		28-Feb-15								
MS 2.56 Approve DDA for Drainage, Sewerage, Waterworks and Utilities at Southern Landfall by the Supervising Officer	0		30-Apr-15								
MS 2.60 Approve DDA for Drainage, Sewerage, Waterworks and Utilities at Northern Landfall by the Supervising Officer	0		31-Dec-14								
MS 2.69 Submit draft Operation and Maintenance Manual for all Tunnels and Cross Passages	0		29-Feb-16								
MS 2.71 Submit draft Operation and Maintenance Manual for all works except Tunnels and Cross Passages	0		29-Feb-16								
Tunnel Boring Machine (TBM) and Back-up Equipment for TBM Tunnel											
MS 3.1.8 Delivery to Site of cutter head of TBM for Northbound Tunnel	0		30-Sep-15								
MS 3.1.9 Delivery to Site of remaining parts of TBM and back-up equipment for Northbound Tunnel	0		31-Dec-15								
MS 3.1.10 Complete site assembly, testing and commissioning of TBM for Northbound Tunnel	0		30-Nov-15								
MS 3.1.25 Complete the whole of the activities under this Cost Centre Part to the satisfaction of the Supervising Office	0		31-Dec-15								
TBM Tunnel											
MS 3.3.4 Complete walls of retrieval shaft	0		30-Jan-16								
MS 3.3.7 Completion of excavation, support and permanent lining for 1% of the total length (measured on plan) of the Nor	0		31-Dec-15								
MS 3.3.8 Completion of excavation, support and permanent lining for 2% of the total length (measured on plan) of the Nor	0		31-Dec-15								
MS 3.3.9 Completion of excavation, support and permanent lining for 3% of the total length (measured on plan) of the Nor	0		31-Dec-15								
MS 3.3.10 Completion of excavation, support and permanent lining for 4% of the total length (measured on plan) of the No	0		30-Jan-16								
MS 3.3.11 Completion of excavation, support and permanent lining for 5% of the total length (measured on plan) of the No	0		30-Jan-16								

■ Planned Bar
■ Planned Bar - Critical
◆ Planned Milestone
■ Progress bar
◆ Progress Milestone



Date	Revision	Checked	Approved
12-Feb-14	TMCLKD/B/GEN/PRG/08507	WYu	SP
08-Apr-14	TMCLKD/B/GEN/PRG/08507 Rev.B	SP	WYu
28-Aug-14	TMCLKD/B/GEN/PRG/08507 Rev.C	CLa	WYu
10-Jan-15	TMCLKD/B/GEN/PRG/08507 Rev.F	WYu	

Activity Name	Orig Dur	DWP Start	DWP Finish	2015			2016					
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Preparation & pour blinding concrete base of box culvert outfall	8	10-Oct-15	19-Oct-15	Preparation & pour blinding concrete base of box culvert outfall								
Install precast culvert element by barge (5 nos.)	21	20-Oct-15	13-Nov-15	Install precast culvert element by barge (5 nos.)								
Concreting in-situ Top Slab and stich joint	12	14-Nov-15	27-Nov-15	Concreting in-situ Top Slab and stich joint								
Removal of temporary bulk head	18	28-Nov-15	18-Dec-15	Removal of temporary bulk head								
CH000-150 Land Section												
ELS & Structure												
Pile A43/A41 CJ to Pile A41/A39 CJ												
ELS												
Installation of strut S1	5	08-May-15	13-May-15	Installation of strut S1								
Excavation to FEL	5	14-May-15	19-May-15	Excavation to FEL								
Box Culvert Structure												
Pile cap construction	10	27-May-15	06-Jun-15	Pile cap construction								
Base slab construction including kicker	6	19-Jun-15	26-Jun-15	Base slab construction including kicker								
Removal of strut S1	4	27-Jun-15	02-Jul-15	Removal of strut S1								
System formworks delivery & setup	14	03-Jul-15	18-Jul-15	System formworks delivery & setup								
Walls & top slab construction	6	20-Jul-15	25-Jul-15	Walls & top slab construction								
Removal of strut S2 & Backfilling up to required level	6	03-Aug-15	08-Aug-15	Removal of strut S2 & Backfilling up to required level								
Pile A45/A43 CJ to Pile A43/A41 CJ												
ELS												
Installation of strut S1	5	14-May-15	19-May-15	Installation of strut S1								
Excavation to FEL	5	20-May-15	26-May-15	Excavation to FEL								
Box Culvert Structure												
Pile cap construction	10	08-Jun-15	18-Jun-15	Pile cap construction								
Base slab construction including kicker	6	27-Jun-15	04-Jul-15	Base slab construction including kicker								
Removal of strut S1	4	06-Jul-15	09-Jul-15	Removal of strut S1								
Walls & top slab construction	6	27-Jul-15	01-Aug-15	Walls & top slab construction								
Pile A47/A45 CJ to Pile A45/A43 CJ												
ELS												
Excavation to 0.5m below strut S1	5	14-May-15	19-May-15	Excavation to 0.5m below strut S1								
Installation of strut S1	5	20-May-15	26-May-15	Installation of strut S1								
Excavation to FEL	5	27-May-15	01-Jun-15	Excavation to FEL								
Box Culvert Structure												
Pile cap construction	10	19-Jun-15	02-Jul-15	Pile cap construction								
Base slab construction including kicker	6	06-Jul-15	11-Jul-15	Base slab construction including kicker								
Removal of strut S1	4	13-Jul-15	16-Jul-15	Removal of strut S1								
Walls & top slab construction	6	03-Aug-15	08-Aug-15	Walls & top slab construction								
Pile A49/A47 CJ to Pile A47/A45 CJ												
ELS												
Excavation to 0.5m below strut S1	5	20-May-15	26-May-15	Excavation to 0.5m below strut S1								
Installation of strut S1	5	27-May-15	01-Jun-15	Installation of strut S1								
Excavation to FEL	5	02-Jun-15	06-Jun-15	Excavation to FEL								
Box Culvert Structure												
Pile cap construction	10	03-Jul-15	14-Jul-15	Pile cap construction								
Base slab construction including kicker	6	15-Jul-15	21-Jul-15	Base slab construction including kicker								
Removal of strut S1	4	22-Jul-15	25-Jul-15	Removal of strut S1								
Pile A52/A49 CJ to Pile A49/A47 CJ												
ELS												
Excavation to 0.5m below strut S1	5	27-May-15	01-Jun-15	Excavation to 0.5m below strut S1								
Installation of strut S1	5	02-Jun-15	06-Jun-15	Installation of strut S1								
Excavation to FEL	5	08-Jun-15	12-Jun-15	Excavation to FEL								
Box Culvert Structure												
Pile cap construction	10	22-Jul-15	01-Aug-15	Pile cap construction								
Base slab construction including kicker	6	03-Aug-15	08-Aug-15	Base slab construction including kicker								
Preparation for Temp Access Road for N8 handvoer	24	07-Sep-15	06-Oct-15	Preparation for Temp Access Road for N8 handvoer								
Ch150-250 Marine Section												
Foundation												
H-beam installation & Concreting - 16 nos (P105 - P120)	40	21-May-15	09-Jul-15	H-beam installation & Concreting - 16 nos (P105 - P120)								
Preboring - 20 nos (P65 - P84) - Rig 3	50	07-Jul-15	02-Sep-15	Preboring - 20 nos (P65 - P84) - Rig 3								
H-beam installation & Concreting - 20 nos (P65 - P84)	50	10-Jul-15	05-Sep-15	H-beam installation & Concreting - 20 nos (P65 - P84)								
Preboring - 20 nos (P85 - P104) - Rig 1	50	07-Jul-15	02-Sep-15	Preboring - 20 nos (P85 - P104) - Rig 1								
H-beam installation & Concreting - 20 nos (P85 - P104)	50	10-Jul-15	05-Sep-15	H-beam installation & Concreting - 20 nos (P85 - P104)								
ELS & Structure												
Cofferdam closing of Ch100-250	28	01-Jun-15	04-Jul-15	Cofferdam closing of Ch100-250								
Dewatering well installation Ch180-250	12	19-Jun-15	04-Jul-15	Dewatering well installation Ch180-250								
Dewatering well installation Ch100-180	12	06-Jul-15	18-Jul-15	Dewatering well installation Ch100-180								
1st Pumping test	18	20-Jul-15	08-Aug-15	1st Pumping test								
Toe grouting Ch100-250	95	07-Sep-15	31-Dec-15	Toe grouting Ch100-250								
2nd Pumping test Ch100-250	29	02-Jan-16	04-Feb-16	2nd Pumping test Ch100-250								
Pile A41/A39 CJ to Pile A39/A37 CJ												

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



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				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
ELS													
Excavation to 0.5m below strut S2	4	05-Feb-16	16-Feb-16										
Installation of strut S2	6	17-Feb-16	23-Feb-16										
Excavation to 0.5m below strut S1	5	24-Feb-16	29-Feb-16										
Installation of strut S1	5	01-Mar-16	05-Mar-16										
Excavation to FEL	5	07-Mar-16	11-Mar-16										
Box Culvert Structure													
Pile cap construction	10	18-Mar-16	01-Apr-16										
Pile A39/A37 CJ to Pile A37/A35 CJ													
ELS													
Excavation to 0.5m below strut S2	4	17-Feb-16	20-Feb-16										
Installation of strut S2	6	22-Feb-16	27-Feb-16										
Excavation to 0.5m below strut S1	5	01-Mar-16	05-Mar-16										
Installation of strut S1	5	07-Mar-16	11-Mar-16										
Excavation to FEL	5	12-Mar-16	17-Mar-16										
Pile A37/A35 CJ to Pile A35/A33 CJ													
ELS													
Excavation to 0.5m below strut S2	4	22-Feb-16	25-Feb-16										
Installation of strut S2	6	26-Feb-16	03-Mar-16										
Excavation to 0.5m below strut S1	5	07-Mar-16	11-Mar-16										
Installation of strut S1	5	12-Mar-16	17-Mar-16										
Excavation to FEL	5	18-Mar-16	23-Mar-16										
Pile A35/A33 CJ to Pile A33/P117 CJ													
ELS													
Excavation to 0.5m below strut S2	4	26-Feb-16	01-Mar-16										
Installation of strut S2	6	02-Mar-16	08-Mar-16										
Excavation to 0.5m below strut S1	5	12-Mar-16	17-Mar-16										
Installation of strut S1	5	18-Mar-16	23-Mar-16										
Pile A33/P117 CJ to Pile P113/P109 CJ													
ELS													
Excavation to 0.5m below strut S1	9	09-Mar-16	18-Mar-16										
Installation of strut S1	5	19-Mar-16	24-Mar-16										
Pile P113/P109 CJ to Pile P105/P101 CJ													
ELS													
Excavation to 0.5m below strut S1	9	17-Mar-16	30-Mar-16										
Ch250-380 Marine Section													
Installation of Dewatering & Observation Well Ch 250-380	23	04-Nov-15	30-Nov-15										
1st Pumping Test & Analysis	17	01-Dec-15	19-Dec-15										
Toe Grouting	106	21-Dec-15	07-May-16										
Ch250-320 Prebored H-piles													
Preboring - 16 nos (P49 - P64) - Rig 1	40	03-Sep-15	22-Oct-15										
H-beam installation & Concreting - 16 nos (P49 - P64)	40	07-Sep-15	26-Oct-15										
Rig 1 Demobilization	0	23-Oct-15											
Preboring - 20 nos (P29 - P48) - Rig 3	50	03-Sep-15	03-Nov-15										
H-beam installation & Concreting - 20 nos (P29 - P48)	50	07-Sep-15	06-Nov-15										
Rig 2 Demobilization	0	04-Nov-15											
Ch320-360 Prebored H-piles													
Current Steel Bridge location available	0		02-Sep-15										
Pre-drilling - 3 nos	9	03-Sep-15	12-Sep-15										
Preboring - 14 nos (C13-C28) - Rig 2	35	14-Sep-15	27-Oct-15										
H-beam installation & Concreting - 14 nos (C13-C28)	35	17-Sep-15	30-Oct-15										
Preboring - 6 piles (P9-12, P15-16) - Rig 2	18	28-Oct-15	17-Nov-15										
H-beam Installation & Concreting - 6 piles (P9-12, P15-16)	18	31-Oct-15	20-Nov-15										
Ch360-380 Prebored H-piles													
Steel Bridge Landing Platform Construction	18	03-Jul-15	23-Jul-15										
Ch380-399 Connection Section													
Foundation & ELS													
Stage 1													
Preboring - 9 nos (C1-7,C9-10) - Rig 2	27	30-May-15	02-Jul-15										
H-beam installation & Concreting - 9 nos (C1-7,C9-10)	29	03-Jun-15	08-Jul-15										
Preboring & sheet piling (west row south 50%) - Rig 2	24	10-Aug-15	05-Sep-15										
Stage 2													
2015/16 Dry Season	0	01-Nov-15											
Install concrete blocks to support working platform	6	02-Nov-15	07-Nov-15										
2nd Relocation of working platform	6	09-Nov-15	14-Nov-15										
Preboring - 4 nos (C13-C16) - Rig 2	12	16-Nov-15	28-Nov-15										
H-beam installation & Concreting - 4 nos (C13-C16)	12	19-Nov-15	02-Dec-15										
Preboring for sheet piling (middle row north 50%) - Rig 2	18	03-Dec-15	23-Dec-15										
Preboring for sheet piling (west row north 50%) - Rig 2	24	24-Dec-15	23-Jan-16										

- Planned Bar
- Planned Bar - Critical
- ◆ Planned Milestone
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12-Feb-14	TMCLKDBJGEN.PRG.08507	WYu	SP
08-Apr-14	TMCLKDBJGEN.PRG.08507 Rev.B	SP	WYu
28-Aug-14	TMCLKDBJGEN.PRG.08507 Rev.C	CLa	WYu
10-Jun-15	TMCLKDBJGEN.PRG.08507 Rev.F	WYu	

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				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Rig 3 Demobilization	0	25-Jan-16					◆ Rig 3 Demobilization					
Land Access route for CKS												
Steel Bridge - Preparation for dismantling	24	23-Jul-15	19-Aug-15	Preparation for dismantling								
Available for steel bridge relocation	0	20-Aug-15		Steel bridge relocation								
Steel bridge relocation	12	20-Aug-15	02-Sep-15	Steel bridge relocation								
Make good for Landside Roadworks	24	03-Sep-15	02-Oct-15	Make good for Landside Roadworks								
Miscellaneous works												
Inspection Manhole (IM)												
Inspection Manhole IM-01 to IM-04 & backfilling to +6.0mPD	12	29-Sep-15	13-Oct-15	Inspection Manhole IM-01 to IM-04 & backfilling to +6.0mPD								
Stop Log Opening (SLO)												
SLO-01 to SLO-05 & backfilling to +6.0mPD	24	14-Oct-15	11-Nov-15	SLO-01 to SLO-05 & backfilling to +6.0mPD								
Balance Hole (BH)												
BH-01 to BH-03 & backfilling to +6.0mPD	18	07-Sep-15	26-Sep-15	BH-01 to BH-03 & backfilling to +6.0mPD								
North Launching Shaft												
Design Submission												
(C1) DDA for North Approach Ramp Permanent Structure												
IPs Review	28	23-Oct-14	19-Nov-14	IPs Review								
IPs No Objection Received	0		19-Nov-14	IPs No Objection Received								
SOs Review	35	23-Oct-14	26-Nov-14	SOs Review								
SO Approval with Condition Received	0		26-Nov-14	SO Approval with Condition Received								
North Ventilation Shaft												
Construction												
North Ventilation Shaft Excavation & Base Slab												
A- Vent Shaft Excavation (-40.0mPD to -42.0mPD) - Rock	29	02-Sep-15	08-Oct-15	A- Vent Shaft Excavation (-40.0mPD to -42.0mPD) - Rock								
A- Vent Shaft Bottom Base Slab for TBM Re-launching	48	08-Oct-15	04-Dec-15	A- Vent Shaft Bottom Base Slab for TBM Re-launching								
A- Tympanum construction for TBM break-in/out	36	15-Oct-15	27-Nov-15	A- Tympanum construction for TBM break-in/out								
North Ventilation Shaft - Steel Bell Installation	40	15-Oct-15	02-Dec-15	North Ventilation Shaft - Steel Bell Installation								
North Ventilation Shaft - Steel Bell Backfilling for S882 Crossing	12	02-Dec-15	16-Dec-15	North Ventilation Shaft - Steel Bell Backfilling for S882 Crossing								
North Ventilation Shaft - Shaft Flooding for S880 Arrival	10	16-Dec-15	30-Dec-15	North Ventilation Shaft - Shaft Flooding for S880 Arrival								
TMCLK VO-008 - Construction of Viaduct Foundations at Portion N6A												
Viaduct Bored Pile Construction												
Bored Pile Construction												
G1c-6												
Pile 6 - RCD Socket Drilling	14	14-Jul-14	29-Jul-14	Pile 6 - RCD Socket Drilling								
Viaduct Pile Cap												
Construction												
Pier G1c												
Pile Cap G1c - Preparation for ELS	6	24-Oct-14	30-Oct-14	Pile Cap G1c - Preparation for ELS								
Pile Cap G1c - Removal of Existing ground slab	6	31-Oct-14	06-Nov-14	Pile Cap G1c - Removal of Existing ground slab								
Pile Cap G1c - Excavation & ELS Installation	12	07-Nov-14	20-Nov-14	Pile Cap G1c - Excavation & ELS Installation								
Pile Cap G1c - Blinding Concrete	3	21-Nov-14	24-Nov-14	Pile Cap G1c - Blinding Concrete								
Pile Cap G1c - Rebar & Concreting	18	25-Nov-14	15-Dec-14	Pile Cap G1c - Rebar & Concreting								
Pile Cap G1c - Backfilling & Temp Reinstatement	6	16-Dec-14	22-Dec-14	Pile Cap G1c - Backfilling & Temp Reinstatement								
Pier H1c												
Pile Cap H1c - Preparation for ELS	6	02-Nov-15	07-Nov-15	Pile Cap H1c - Preparation for ELS								
Pile Cap H1c - Removal of Existing ground slab	6	09-Nov-15	14-Nov-15	Pile Cap H1c - Removal of Existing ground slab								
Pile Cap H1c - Excavation & ELS Installation	12	16-Nov-15	28-Nov-15	Pile Cap H1c - Excavation & ELS Installation								
Pile Cap H1c - Blinding Concrete	3	30-Nov-15	02-Dec-15	Pile Cap H1c - Blinding Concrete								
Pile Cap H1c - Rebar & Concreting	18	03-Dec-15	23-Dec-15	Pile Cap H1c - Rebar & Concreting								
Pile Cap H1c - Backfilling & Temp Reinstatement	6	24-Dec-15	02-Jan-16	Pile Cap H1c - Backfilling & Temp Reinstatement								
North Surface works for TBM Tunnelling												
Design Submission												
(D1) IFA for Temp. Access to Portion N8A, N8B & N8C incl. Temp. Lighting												
ICE Approval & Issue of Design Check Cert.	18	02-May-14	23-May-14	ICE Approval & Issue of Design Check Cert.								
Check Cert to SO	0		23-May-14	Check Cert to SO								
No Objection or Further Minor Comments from IPs Received	0		23-May-14	No Objection or Further Minor Comments from IPs Received								
SO Review (35 Days)	35	02-May-14	05-Jun-14	SO Review (35 Days)								
SO Approval with Condition Received	0		05-Jun-14	SO Approval with Condition Received								
North Approach TBM Tunnelling & Cross Passage												
Design Submission												
ETWB TCW No 15/2005 - Cross Passage Ground Treatment for TBM Tunnels in North Landfall												
Review Meeting with GEO - after AIP Approval	0	01-Apr-14		Review Meeting with GEO - after AIP Approval								
1st Submission to GEO - ETWB TCW No 15/2005 - Cross Passage Ground Treatment for TBM Tunnels in North Landfall	0		04-Aug-14	1st Submission to GEO - ETWB TCW No 15/2005 - Cross Passage Ground Treatment for TBM Tunnels in North Landfall								
1st Submission GEO Review	28	04-Aug-14	31-Aug-14	1st Submission GEO Review								
Received GEO Comment	0		01-Sep-14	Received GEO Comment								
Prepare Response to Comment	12	01-Sep-14	15-Sep-14	Prepare Response to Comment								
2nd Submission to GEO	0		15-Sep-14	2nd Submission to GEO								
2nd GEO Review	28	16-Sep-14	13-Oct-14	2nd GEO Review								
Received 2nd GEO Comment	0		13-Oct-14	Received 2nd GEO Comment								
Prepare Respond to 2nd Comment	12	14-Oct-14	27-Oct-14	Prepare Respond to 2nd Comment								

Activity Name	Orig Dur	DWPFP Start	DWPFP Finish	2015			2016					
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
3rd Submission to GEO	0		27-Oct-14									
3rd GEO Review	28	28-Oct-14	24-Nov-14									
Construction												
Northern Landfall Surface Setup for TBM operation												
Gantry Setup at North Ventilation Shaft	48	08-Oct-15	04-Dec-15									
Gantry Removal at North Ventilation Shaft	24	02-Jan-16	29-Jan-16									
North Approach TBM Tunnel - NB ID15.60m - S880												
NB - North TBM Tunnel - Transition with Saturation (Ch6840 to 6708 - 132m)	75	08-Sep-15	22-Nov-15									
NB - North TBM Tunnel - Transition with Saturation (Ch6708 to 6688 - 20m)	6	22-Nov-15	28-Nov-15									
NB - North TBM Tunnel - Transition with Saturation (Ch6688 to 6640 - 48m)	14	28-Nov-15	12-Dec-15									
NB - North TBM Tunnel - CDG+Boulder with Saturation (Ch6640 to 6600 - 40m)	8	12-Dec-15	20-Dec-15									
NB - North TBM Tunnel - CDG with Saturation (Ch6600 to 6560 - 40m)	5	20-Dec-15	25-Dec-15									
NB - North TBM Tunnel - Thrust Frame Removal	12	19-Aug-15	02-Sep-15									
North Approach TBM Tunnel - SB ID12.40m - S882												
SB - North TBM Tunnel - Back-up Gnatry G3 & G4 Assembly	17	29-Jul-15	16-Aug-15									
SB - North TBM Tunnel - CDG with Trimix (Ch7021 to 6891 - 130m)	12	12-Sep-15	24-Sep-15									
SB - North TBM Tunnel - CDG+Boulder with Saturation (Ch6891 to 6861 - 30m)	9	24-Sep-15	03-Oct-15									
SB - North TBM Tunnel - Transition with Saturation (Ch6861 to 6729 - 132m)	63	03-Oct-15	05-Dec-15									
SB - North TBM Tunnel - Transition with Saturation (Ch6729 to 6709 - 20m)	5	05-Dec-15	10-Dec-15									
SB - North TBM Tunnel - Thrust Frame Removal	12	24-Sep-15	10-Oct-15									
SB - North TBM Tunnel - Transition with Saturation (Ch6709 to 6661 - 48m)	11	10-Dec-15	21-Dec-15									
SB - North TBM Tunnel - Transition with Saturation (Ch6661 to 6621 - 40m)	8	21-Dec-15	29-Dec-15									
SB - North TBM Tunnel - Transition with Saturation (Ch6621 to 6581 - 40m)	5	29-Dec-15	03-Jan-16									
North Approach Tunnel Internal Structure - NB												
NB - North TBM Tunnel - Invert Backfilling (Ch7175 to 6870 - 305m) Stage 1	87	10-Sep-15	06-Dec-15									
NB - North TBM Tunnel - Invert Backfilling (Ch6870 to 6688 - 182m) Stage 1	77	06-Dec-15	24-Feb-16									
NB - North TBM Tunnel - Invert Backfilling (Ch6688 to 6560 - 128m) Stage 1	54	01-Apr-16	26-May-16									
NB - North TBM Tunnel - Preparation for Invert Gallery Installation	14	10-Sep-15	24-Sep-15									
NB - North TBM Tunnel - Invert Precast Gallery Installation (Ch7205 to 6870 - 335m)	96	24-Sep-15	29-Dec-15									
NB - North TBM Tunnel - Invert Precast Gallery Installation (Ch6870 to 6688 - 182m)	77	29-Dec-15	18-Mar-16									
NB - North TBM Tunnel - Invert Backfilling (Ch7205 to 7175 - 30m) Stage 2	9	15-Oct-15	24-Oct-15									
NB - North TBM Tunnel - Invert Backfilling (Ch7175 to 7125 - 50m) Stage 2	15	24-Oct-15	08-Nov-15									
NB - North TBM Tunnel - Invert Backfilling (Ch7125 to 7075 - 50m) Stage 2	15	08-Nov-15	23-Nov-15									
NB - North TBM Tunnel - Invert Backfilling (Ch7075 to 7025 - 50m) Stage 2	15	23-Nov-15	08-Dec-15									
NB - North TBM Tunnel - Invert Backfilling (Ch7025 to 6975 - 50m) Stage 2	14	08-Dec-15	22-Dec-15									
NB - North TBM Tunnel - Invert Backfilling (Ch6975 to 6925 - 50m) Stage 2	14	22-Dec-15	05-Jan-16									
NB - North TBM Tunnel - Invert Backfilling (Ch6925 to 6870 - 55m) Stage 2	14	05-Jan-16	19-Jan-16									
NB - North TBM Tunnel - Invert Backfilling (Ch6870 to 6688 - 182m) Stage 2	77	19-Jan-16	11-Apr-16									
CP53 - Excavation & Lining completion	0		16-Mar-16									
North Approach Tunnel Internal Structure - SB												
SB - North TBM Tunnel - Invert Backfilling (Ch7205 to 7175 - 30m)	8	10-Oct-15	18-Oct-15									
SB - North TBM Tunnel - Invert Backfilling (Ch7175 to 7125 - 50m)	13	18-Oct-15	31-Oct-15									
SB - North TBM Tunnel - Invert Backfilling (Ch7125 to 7075 - 50m)	13	31-Oct-15	13-Nov-15									
SB - North TBM Tunnel - Invert Backfilling (Ch7075 to 7025 - 50m)	13	13-Nov-15	26-Nov-15									
SB - North TBM Tunnel - Invert Backfilling (Ch7025 to 6975 - 50m)	12	26-Nov-15	08-Dec-15									
SB - North TBM Tunnel - Invert Backfilling (Ch6975 to 6925 - 50m)	12	08-Dec-15	20-Dec-15									
SB - North TBM Tunnel - Invert Backfilling (Ch6925 to 6870 - 55m)	12	20-Dec-15	01-Jan-16									
SB - North TBM Tunnel - Invert Backfilling (Ch6870 to 6688 - 182m)	77	01-Jan-16	21-Mar-16									
SB - North TBM Tunnel - Invert Backfilling (Ch6688 to 6560 - 182m)	54	21-Mar-16	18-May-16									
North Approach Cross Passage												
CP55 - Traditional Method												
CP55 Platform Available from ML03 North Approach Tunnel Backfilling	0	24-Oct-15										
CP55 Platform Available from ML02 North Approach Tunnel Backfilling	0	31-Oct-15										
CP54 - Traditional Method												
CP54 Platform Available from ML03 North Approach Tunnel Backfilling	0	08-Dec-15										
CP54 Platform Available from ML02 North Approach Tunnel Backfilling	0	26-Nov-15										
CP53 - Pipe Jacking Method												
CP53 Platform Available from ML03 North Approach Tunnel Backfilling	0	05-Jan-16										
CP53 Platform Available from ML02 North Approach Tunnel Backfilling	0	21-Dec-15										
CP - Pipe Jacking TBM - Delivery, Assembly & Setup	23	05-Jan-16	01-Feb-16									
CP - Pipe Jacking Method - Break-in, Excavation & Lining Installation	9	01-Feb-16	10-Feb-16									
CP - Pipe Jacking Method - Break out & Pipe Jacking TBM Removal	10	10-Feb-16	20-Feb-16									
CP - Waterproofing, Finishing	21	20-Feb-16	16-Mar-16									
CP52 - Pipe Jacking Method												
CP52 Platform Available from ML03 North Approach Tunnel Backfilling	0	30-Jan-16										
CP52 Platform Available from ML02 North Approach Tunnel Backfilling	0	12-Jan-16										

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



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10-Jun-15	TMCLKDBJGEN.PRG.98507 Rev.F	WYu	

Activity Name	Orig Dur	DWPF Start	DWPF Finish	2015			2016					
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
CP - Pipe Jacking TBM - Delivery, Assembly & Setup	23	01-Feb-16	05-Mar-16									
CP - Pipe Jacking Method - Break-in, Excavation & Lining Installation	9	05-Mar-16	14-Mar-16									
CP - Pipe Jacking Method - Break out & Pipe Jacking TBM Removal	10	14-Mar-16	24-Mar-16									
CP51 - Traditional Method												
CP51 Platform Available from ML02 North Approach Tunnel Backfilling	0	10-Mar-16										
CP50 - Pipe Jacking Method												
CP50 Platform Available from ML02 North Approach Tunnel Backfilling	0	09-Apr-16										
North Ventilation Building												
Design Submission												
(A10) ACABAS Submissions												
ACABAS Approval	28	16-Mar-14	12-Apr-14									
(A11) Submissions to Design Advisory Panel of ArchSD												
ArchSD's comment	30	10-Jun-14	09-Jul-14									
(I1) DDA for North Vent.Bldgs. GBP & Arch.Submission												
Designer to Reply RiC + Update Submission	21	28-Jul-14	20-Aug-14									
Submit Updated DDA to SO/ ICE/ IPs	0	21-Aug-14										
ICE Approval & Issue Check Cert	12	21-Aug-14	03-Sep-14									
Submit ICE Check Cert to SO	6	04-Sep-14	11-Sep-14									
IPs Review	28	21-Aug-14	17-Sep-14									
IPs No Objection Received	0		17-Sep-14									
SO's Review	35	21-Aug-14	24-Sep-14									
SO Approval with Condition Received	0		24-Sep-14									
(I1) DDA for North & South Vent.Bldg. ABWF works												
Preparation of DDANorth & South ABWF	18	25-Sep-14	17-Oct-14									
Review & Comment by JV	24	18-Oct-14	14-Nov-14									
Designer prepare DDA	15	15-Nov-14	02-Dec-14									
(I2) DDA for North Vent.Bldgs.Structural Design incl.Vent.Connections												
IPs/ SO's Advance Comments/ ICE Comments	28	01-Nov-14	28-Nov-14									
Comments Received	0		28-Nov-14									
Designer to Reply RiC + Update Submission	21	29-Nov-14	23-Dec-14									
Submit Updated DDA to SO/ ICE/ IPs	0	24-Dec-14										
ICE Approval & Issue Check Cert	12	24-Dec-14	09-Jan-15									
Submit ICE Check Cert to SO	6	10-Jan-15	16-Jan-15									
IPs Review	28	24-Dec-14	20-Jan-15									
IPs No Objection Received	0		20-Jan-15									
SO's Review	35	24-Dec-14	27-Jan-15									
SO Approval with Condition Received	0		27-Jan-15									
(I3) DDA for North & South Vent.Bldgs. Service and E&M Provision												
Preparation of DDANth VB Service and E&MS Provision	18	12-Sep-14	04-Oct-14									
Review & Comment by JV	24	06-Oct-14	01-Nov-14									
Designer prepare DDA	15	03-Nov-14	19-Nov-14									
Formal Submission of DDA to ICE/ IPs	0		19-Nov-14									
Advanced Submission to SO	0		19-Nov-14									
IPs/ SO's Advance Comments/ ICE Comments	28	20-Nov-14	17-Dec-14									
Comments Received	0		17-Dec-14									
Designer to Reply RiC + Update Submission	21	18-Dec-14	14-Jan-15									
Submit Updated DDA to SO/ ICE/ IPs	0	15-Jan-15										
ICE Approval & Issue Check Cert	12	15-Jan-15	28-Jan-15									
Submit ICE Check Cert to SO	6	29-Jan-15	04-Feb-15									
IPs Review	28	15-Jan-15	11-Feb-15									
IPs No Objection Received	0		11-Feb-15									
SO's Review	35	15-Jan-15	18-Feb-15									
SO Approval with Condition Received	0		18-Feb-15									
(J2) Tower Crane Foundation for Ventilation Building												
ICE Approval & Issue Check Cert	12	17-Sep-15	02-Oct-15									
Submit ICE Check Cert to SO	6	03-Oct-15	09-Oct-15									
IPs Review	28	17-Sep-15	14-Oct-15									
IPs No Objection Received	0		14-Oct-15									
SO's Review	35	17-Sep-15	21-Oct-15									
SO Approval with Condition Received	0		22-Oct-15									
(C3) DDA for North Vent Shaft & Duct Permanent Structure												
Review & Comment by JV	18	28-Aug-14	18-Sep-14									
Designer prepare DDA	10	19-Sep-14	30-Sep-14									
Formal Submission of DDA to ICE/ IPs	0		30-Sep-14									
Advanced Submission to SO	0		30-Sep-14									
IPs/ SO's Advance Comments/ ICE Comments	28	01-Oct-14	28-Oct-14									
Comments Received	0		28-Oct-14									

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



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10-Jun-15	TMCLKDBJGEN.PRG.08507 Rev.F	WYu	

Activity Name	Orig Dur	DWP Start	DWP Finish	2015			2016					
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Designer to Reply RIC + Update Submission	21	29-Oct-14	21-Nov-14									
Submit Updated DDA to SO/ ICE/ IPs	0	22-Nov-14										
ICE Approval & Issue Check Cert	12	22-Nov-14	05-Dec-14									
Submit ICE Check Cert to SO	6	06-Dec-14	12-Dec-14									
IPs Review	28	22-Nov-14	19-Dec-14									
IPs No Objection Received	0		19-Dec-14									
SO's Review	35	22-Nov-14	26-Dec-14									
SO Approval with Condition Received	0		27-Dec-14									
(D9) DDA Temporary support and dewatering measures for Vent Duct ELS design for Northern Landfall												
SO's Review	35	19-Aug-15	22-Sep-15									
SO Approval with Condition Received	0		22-Sep-15									
ETWB TCW No 15/2005 - ELS design of ventilation duct and its connections with building and tunnel												
1st Submission GEO Review	28	02-Sep-15	29-Sep-15									
Received GEO Comment	0		29-Sep-15									
Prepare Response to Comment	12	30-Sep-15	14-Oct-15									
2nd Submission to GEO	0		14-Oct-15									
2nd GEO Review	28	15-Oct-15	11-Nov-15									
North Surface Roadworks, Utility & Drainage works												
Design Submission												
(A20) DDA for Traffic Sign, Road Marking, Street Furnitures, Sign Gantry & etc												
SO's Review	35	11-Dec-14	14-Jan-15									
SO Approval with Condition Received	0		14-Jan-15									
(C2) DDA for Sewerage, Drainage, Waterworks & Utility works for North Landfall												
IPs Review	28	08-Nov-14	05-Dec-14									
IPs No Objection Received	0		05-Dec-14									
SO's Review	35	08-Nov-14	12-Dec-14									
SO Approval with Condition Received	0		12-Dec-14									
Sub-sea Tunnel												
Sub-sea TBM Tunnelling												
Major Procurement												
S881 -												
S881 - 13.6m dia - TBM - Manufacturing - Cutterhead	257	18-Jul-14	03-Jun-15									
S881 - 13.6m dia - TBM - Workshop Assembly	70	02-Feb-15	06-May-15									
S881 - 13.6m dia - TBM - Workshop Acceptance Test	0		06-May-15									
S881 - 13.6m dia - TBM - Disassembly and Packing for Transport	16	07-May-15	26-May-15									
S881 - 13.6m dia - TBM - Delivery	20	27-May-15	15-Jun-15									
S881 - 13.6m dia - TBM - Arrival to site	0		15-Jun-15									
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									
Design Submission												
(B6) Risk Assessment of Submarine Cable - Tunnelling Works												
CLP Review (4 weeks)	28	17-Mar-15	13-Apr-15									
CLP Comment Received	0		13-Apr-15									
SO's Condition Approval	35	12-Mar-15	15-Apr-15									
(G1) DDA for TBM Tunnel Lining Structural Design - Sub-sea tunnel												
Sub-sea TBM Tunnel Segment - Fabrication	265	06-Oct-14	29-Aug-15									
(G3) DDA for TBM Tunnel Internal Structures (Sub-sea)												
Sub-sea Tunnel - Precast Gallery Fabrication	244	22-Jan-15	21-Nov-15									
Construction												
Sub-sea TBM Tunnel - NB ID12.2m - S881												
NB TBM Change diameter at North Ventilation Shaft	87	30-Dec-15	01-Apr-16									
Sub-sea TBM Tunnel - SB ID12.2m - S882												
SB - S882 TBM Crossing within NVS Steel bell	7	03-Jan-16	10-Jan-16									
SB - Sub-sea TBM Tunnel - Transition with Saturation (Ch6543 to 6521 - 22m)	5	10-Jan-16	15-Jan-16									
SB - Sub-sea TBM Tunnel - Transition with Saturation (Ch6521 to 6451 - 70m)	15	15-Jan-16	30-Jan-16									
SB - Sub-sea TBM Tunnel - Transition with Saturation (Ch6451 to 6371 - 80m)	17	30-Jan-16	19-Feb-16									
SB - Sub-sea TBM Tunnel - Transition with Saturation (Ch6371 to 6321 - 50m)	10	19-Feb-16	29-Feb-16									
SB - Sub-sea TBM Tunnel - CDG+Boulder with Saturation (Ch6321 to 6281 - 40m)	5	29-Feb-16	05-Mar-16									
SB - Sub-sea TBM Tunnel - Steel Bell dismantling & Reconnect for NVS supply	27	05-Mar-16	04-Apr-16									
Sub-sea TBM Tunnel - SB - Precast Invert Gallery												
SB - ISIG Assembly for Sub-sea TBM Tunnel	7	15-Jan-16	22-Jan-16									
Sub-sea Tunnel Cross Passage & Internal Structure												
Design Submission												
(G4) DDA for Cross Passage - Permanent works - incl. Geotechnical Assessment - Sub-sea tunnel												
Review & Comment by JV	6	01-Dec-14	06-Dec-14									
Designer prepare DDA	12	08-Dec-14	20-Dec-14									
Formal Submission of DDA to ICE/ IPs	0		20-Dec-14									
Advanced Submission to SO	0		20-Dec-14									
IPs/ SO's Advance Comments/ ICE Comments	28	21-Dec-14	17-Jan-15									



TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

Three Months Rolling Programme

Progress as of 20-Dec-15



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08-Apr-14	TMCLKDBJGEN.PRG.08507 Rev.B	SP	WYu
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Activity Name	Orig Dur	DWP Start	DWP Finish	2015			2016					
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Comments Received	0		17-Jan-15									
Designer to Reply RtC + Update Submission	21	19-Jan-15	11-Feb-15									
Submit Updated DDA to SO/ ICE/ IPs	0	12-Feb-15										
ICE Approval & Issue Check Cert	12	12-Feb-15	04-Mar-15									
IPs Review	28	12-Feb-15	11-Mar-15									
SO's Review	35	12-Feb-15	18-Mar-15									
ETWB TCW No 15/2005 - Cross Passage Ground Treatment for Sub-sea TBM Tunnel												
1st Submission to GEO - ETWB TCW No 15/2005 - Cross Passage Ground Treatment for Sub-sea TBM Tunnel	0		13-Jul-15									
1st Submission GEO Review	28	14-Jul-15	10-Aug-15									
Received GEO Comment	0		10-Aug-15									
Prepare Response to Comment	12	11-Aug-15	24-Aug-15									
2nd Submission to GEO	0		24-Aug-15									
2nd GEO Review	28	25-Aug-15	21-Sep-15									
Received 2nd GEO Comment	0		21-Sep-15									
Prepare Respond to 2nd Comment	12	22-Sep-15	07-Oct-15									
3rd Submission to GEO	0		07-Oct-15									
3rd GEO Review	28	08-Oct-15	04-Nov-15									
Southern Landfall												
South Cut & Cover Tunnel												
Design Submission												
(E2) DDA for South C&C Box & Approach Ramp												
Review & Comment by JV	18	09-Dec-14	31-Dec-14									
Designer prepare DDA	10	02-Jan-15	13-Jan-15									
Formal Submission of DDA to ICE/ IPs	0		13-Jan-15									
Advanced Submission to SO	0		13-Jan-15									
IPs/ SO's Advance Comments/ ICE Comments	28	14-Jan-15	10-Feb-15									
Comments Received	0		10-Feb-15									
Designer to Reply RtC + Update Submission	21	11-Feb-15	13-Mar-15									
Submit Updated DDA to SO/ ICE/ IPs	0	14-Mar-15										
ICE Approval & Issue Check Cert	18	14-Mar-15	08-Apr-15									
IPs Review	28	14-Mar-15	10-Apr-15									
SO's Review	35	14-Mar-15	17-Apr-15									
(F3) AIP Temp.Support for South.C&C, Portal & ELS												
IPs Review	28	10-Jan-15	06-Feb-15									
IPs No Objection Received	0		06-Feb-15									
SO's Review	35	10-Jan-15	13-Feb-15									
SO Approval with Condition Received	0		13-Feb-15									
(F3) DDA Temp.Support for South.C&C, Portal & ELS												
Preparation of DDASouth C&C ELS	18	01-Apr-15	25-Apr-15									
Review & Comment by JV	18	27-Apr-15	18-May-15									
Designer prepare DDA	10	19-May-15	30-May-15									
Formal Submission of DDA to ICE/ IPs	0		30-May-15									
Advanced Submission to SO	0		30-May-15									
IPs/ SO's Advance Comments/ ICE Comments	28	31-May-15	27-Jun-15									
Comments Received	0		27-Jun-15									
Designer to Reply RtC + Update Submission	21	29-Jun-15	23-Jul-15									
Submit Updated DDA to SO/ ICE/ IPs	0	24-Jul-15										
ICE Approval & Issue Check Cert	12	24-Jul-15	06-Aug-15									
Submit ICE Check Cert to SO	6	07-Aug-15	13-Aug-15									
IPs Review	28	24-Jul-15	20-Aug-15									
IPs No Objection Received	0		20-Aug-15									
SO's Review	35	24-Jul-15	27-Aug-15									
SO Approval with Condition Received	0		27-Aug-15									
Method Statement Submission												
Method Statement of Construction Methodology of C&C Tunnels												
Preparation Method Statement for C&C Tunnels	25	28-Mar-15	30-Apr-15									
Submit Method Statement to SO	0		30-Apr-15									
SO Reviews & Comments	28	01-May-15	28-May-15									
Re-submission	18	29-May-15	18-Jun-15									
SO's Review	28	19-Jun-15	16-Jul-15									
Construction												
South C&C Tunnel - Diaphragm Wall	120	03-Oct-15	02-Mar-16									
C&C Tunnel - 1st 85m - Excavation by ramp	23	03-Mar-16	01-Apr-16									
South Retrieval Shaft												
Design Submission												
(A5) Ground Investigation Report - Phase 3 - Southern Landfall												
Prepare Re-submission	10	23-Jun-15	04-Jul-15									

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



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10-Jun-15	TMCLKDBJGEN.PRG.08507 Rev.F	WYu	

Activity Name	Orig Dur	DWPF Start	DWPF Finish	2015			2016					
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
*2nd Submission	0		04-Jul-15									
SO's Condition Approval	35	05-Jul-15	08-Aug-15									
(B5) AIP Construction Risk Assessment - Impact on South Landfall												
SO's Condition Approval	35	27-Jan-15	02-Mar-15									
(B5) DDA Construction Risk Assessment - Impact on South Landfall												
Preparation of Construction Risk Assessment - Impact on South Landfall	36	03-Mar-15	17-Apr-15									
1st Submission	0		17-Apr-15									
SO's Comments for 1st Submission	35	18-Apr-15	22-May-15									
Prepare Re-submission	10	23-May-15	04-Jun-15									
2nd Submission	0		04-Jun-15									
ICE Cert. Issue	6	05-Jun-15	11-Jun-15									
SO's Condition Approval	35	05-Jun-15	09-Jul-15									
(F1) AIP Temp.works - Retrieval Shaft on Southern Landfall inc. break-out												
SO Review (35 Days)	35	17-Dec-14	20-Jan-15									
SO Approval with Condition Received	0		20-Jan-15									
(F1) DDA Temp.works - Retrieval Shaft on Southern Landfall inc. break-out												
Preparation of DDA Temp Support for Sth Retrieval Shaft	18	01-Apr-15	25-Apr-15									
Review & Comment by JV	18	27-Apr-15	18-May-15									
Designer prepare DDA	6	19-May-15	26-May-15									
Formal Submission of DDA to ICE/ IPs	0		26-May-15									
Advanced Submission to SO	0		26-May-15									
IPs/ SO's Advance Comments/ ICE Comments	28	27-May-15	23-Jun-15									
Comments Received	0		23-Jun-15									
Designer to Reply RTC + Update Submission	21	24-Jun-15	18-Jul-15									
Submit Updated DDA to SO/ ICE/ IPs	0	20-Jul-15										
ICE Approval & Issue Check Cert	12	20-Jul-15	01-Aug-15									
Submit ICE Check Cert to SO	6	03-Aug-15	08-Aug-15									
IPs Review	28	20-Jul-15	16-Aug-15									
IPs No Objection Received	0		16-Aug-15									
SO's Review	35	20-Jul-15	23-Aug-15									
SO Approval with Condition Received	0		24-Aug-15									
(F2) AIP Temp works of Ground Treatment for TBMs passing under Southern Landfall												
Review & Comment by JV	18	23-Sep-14	15-Oct-14									
Designer Prepare AIP	12	16-Oct-14	29-Oct-14									
Formal Submission of AIP to ICE/ IPs	0		29-Oct-14									
Advanced Submission of AIP to SO	0		29-Oct-14									
Review & Comment by SO/ ICE/ IPs	28	30-Oct-14	26-Nov-14									
Advance Comments from SO/ Comments from ICE/ IPs Received	0		26-Nov-14									
Designer to Prepare RTC & Updated AIP	18	27-Nov-14	17-Dec-14									
Submission of AIP to SO/ ICE together with Reply To Comment (RTC)	0		17-Dec-14									
Reply to IPs Comments in RTC	0		17-Dec-14									
ICE Approval & Issue of Design Check Cert.	18	18-Dec-14	10-Jan-15									
Check Cert to SO	0		10-Jan-15									
No Objection or Further Minor Comments from IPs Received	0		10-Jan-15									
SO Review (35 Days)	35	19-Dec-14	22-Jan-15									
SO Approval with Condition Received	0		22-Jan-15									
(F2) DDA Temp works of Ground Treatment for TBMs passing under Southern Landfall												
Review & Comment by JV	18	27-Apr-15	18-May-15									
Designer prepare DDA	6	19-May-15	26-May-15									
Formal Submission of DDA to ICE/ IPs	0		26-May-15									
Advanced Submission to SO	0		26-May-15									
IPs/ SO's Advance Comments/ ICE Comments	28	27-May-15	23-Jun-15									
Comments Received	0		23-Jun-15									
Designer to Reply RTC + Update Submission	21	24-Jun-15	18-Jul-15									
Submit Updated DDA to SO/ ICE/ IPs	0	20-Jul-15										
ICE Approval & Issue Check Cert	12	20-Jul-15	01-Aug-15									
Submit ICE Check Cert to SO	6	03-Aug-15	08-Aug-15									
IPs Review	28	20-Jul-15	16-Aug-15									
IPs No Objection Received	0		16-Aug-15									
SO's Review	35	20-Jul-15	23-Aug-15									
SO Approval with Condition Received	0		24-Aug-15									
(F4) Gantry Crane Support/Foundations in Southern Landfall												
Preparation of IFA Gantry Crane / Foundation	18	27-Jul-15	15-Aug-15									
Review & Comment by JV	18	17-Aug-15	05-Sep-15									
Designer prepare IFA	10	07-Sep-15	17-Sep-15									

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



Date	Revision	Checked	Approved
12-Feb-14	TMCLKDBJGEN.PRG.08507	WYu	SP
08-Apr-14	TMCLKDBJGEN.PRG.08507 Rev.B	SP	WYu
28-Aug-14	TMCLKDBJGEN.PRG.08507 Rev.C	CLa	WYu
10-Jun-15	TMCLKDBJGEN.PRG.08507 Rev.F	WYu	

Activity Name	Orig Dur	DWP Start	DWP Finish	2015			2016							
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
Formal Submission of IFA to ICE/ IPs	0		17-Sep-15											
Advanced Submission to SO	0		17-Sep-15											
IPs/ SO's Advance Comments/ ICE Comments	28	18-Sep-15	15-Oct-15											
Comments Received	0		15-Oct-15											
Designer to Reply RfC + Update Submission	21	16-Oct-15	10-Nov-15											
Submit Updated IFA to SO/ ICE/ IPs	0	11-Nov-15												
ICE Approval & Issue Check Cert	12	11-Nov-15	24-Nov-15											
IPs Review	28	11-Nov-15	08-Dec-15											
IPs No Objection Received	0		08-Dec-15											
SO's Review	35	11-Nov-15	15-Dec-15											
SO Approval with Condition Received	0		15-Dec-15											
Method Statement Submission														
Method Statement of Construction Methodology of Retrieval Shaft														
Preparation Method Statement for Retrieval Shaft	25	24-Aug-15	21-Sep-15											
Submit Method Statement to SO	0		21-Sep-15											
SO Reviews & Comments	28	22-Sep-15	19-Oct-15											
Re-submission	18	20-Oct-15	10-Nov-15											
SO's Review	28	11-Nov-15	08-Dec-15											
SO's Approval	0		08-Dec-15											
Construction														
South Landfall GI Works/DW Setting Up	48	06-Aug-15	02-Oct-15											
South Retrieval Shaft - Diaphragm Wall	98	03-Oct-15	29-Jan-16											
Retrieval Shaft - Excavation - Soft by ramp	3	30-Jan-16	02-Feb-16											
Retrieval Shaft - Excavation - Soft by vertical mean (Fill material)	52	03-Feb-16	14-Apr-16											
South Approach Ramp														
Construction														
Approach Ramp (CH1580-1850) - Pipe Pile/Sheet Piles Wall	126	03-Oct-15	09-Mar-16											
Approach Ramp (CH1580-1850) - Tension Piles	103	03-Oct-15	04-Feb-16											
Approach Ramp (CH1580-1850) - Pile Test	24	05-Feb-16	10-Mar-16											
South Ventilation Building														
Design Submission														
(I1) DDA for South Vent.Bldg. GBP & Arch.Submission														
Designer to Reply RfC + Update Submission	21	27-Nov-14	20-Dec-14											
Submit Updated DDA to SO/ ICE/ IPs	0	22-Dec-14												
ICE Approval & Issue Check Cert	18	22-Dec-14	14-Jan-15											
Submit ICE Check Cert to SO	6	15-Jan-15	21-Jan-15											
IPs Review	28	22-Dec-14	18-Jan-15											
IPs No Objection Received	0		18-Jan-15											
SO's Review	35	22-Dec-14	25-Jan-15											
SO Approval with Condition Received	0		26-Jan-15											
(I2) DDA for South Vent.Bldg. Foundation Design														
Review & Comment by JV	18	27-Apr-15	18-May-15											
Designer prepare DDA	10	19-May-15	30-May-15											
Formal Submission of DDA to ICE/ IPs	0		30-May-15											
Advanced Submission to SO	0		30-May-15											
IPs/ SO's Advance Comments/ ICE Comments	28	31-May-15	27-Jun-15											
Comments Received	0		27-Jun-15											
Designer to Reply RfC + Update Submission	21	29-Jun-15	23-Jul-15											
Submit Updated DDA to SO/ ICE/ IPs	0	24-Jul-15												
ICE Approval & Issue Check Cert	18	24-Jul-15	13-Aug-15											
IPs Review	28	24-Jul-15	20-Aug-15											
SO's Review	35	24-Jul-15	27-Aug-15											
(I2) DDA for South Vent.Bldg.Structural Design incl.Vent.Connections														
Review & Comment by JV	18	18-Feb-15	17-Mar-15											
Designer prepare DDA	10	18-Mar-15	28-Mar-15											
Formal Submission of DDA to ICE/ IPs	0		28-Mar-15											
Advanced Submission to SO	0		28-Mar-15											
IPs/ SO's Advance Comments/ ICE Comments	28	29-Mar-15	25-Apr-15											
Comments Received	0		25-Apr-15											
Designer to Reply RfC + Update Submission	21	27-Apr-15	21-May-15											
(J1) DDA Temp.works for Construction of Sth.Vent.Bldg.														
Designer to Reply RfC + Update Submission	21	24-Aug-15	16-Sep-15											
Submit Updated DDA to SO/ ICE/ IPs	0	17-Sep-15												
ICE Approval & Issue Check Cert	12	17-Sep-15	02-Oct-15											
Submit ICE Check Cert to SO	6	03-Oct-15	09-Oct-15											
IPs Review	28	17-Sep-15	14-Oct-15											

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



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08-Apr-14	TMCLKD/BJGEN/PRG98507 Rev.B	SP	WYu
28-Aug-14	TMCLKD/BJGEN/PRG98507 Rev.C	CLa	WYu
10-Jun-15	TMCLKD/BJGEN/PRG98507 Rev.F	WYu	

Activity Name	Orig Dur	DWPF Start	DWPF Finish	2015			2016							
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May			
IPs No Objection Received	0		14-Oct-15											
SO's Review	35	17-Sep-15	21-Oct-15											
SO Approval with Condition Received	0		22-Oct-15											
Construction														
Mobilization & Setting Up Piling Rigs	64	06-Aug-15	22-Oct-15											
S - Piling (Socket H-piles)	132	23-Oct-15	08-Apr-16											
S - Sheet Piling	48	23-Oct-15	17-Dec-15											
South Surface Roadworks, Utility & Drainage works														
Design Submission														
(E1) AIP - Southern Landfall Seawall Modification														
Review & Comment by SO/ ICE/ IPs	28	13-Jan-17	09-Feb-17											
Advance Comments from SO/ Comments from ICE/ IPs Received	0		09-Feb-17											
Designer to Prepare Rtc & Updated AIP	18	10-Feb-17	02-Mar-17											
Submission of AIP to SO/ ICE together with Reply To Comment (RTC)	0		02-Mar-17											
Reply to IPs Comments in RTC	0		02-Mar-17											
ICE Approval & Issue of Design Check Cert.	18	03-Mar-17	23-Mar-17											
Check Cert to SO	0		23-Mar-17											
No Objection or Further Minor Comments from IPs Received	0		23-Mar-17											
SO Review (35 Days)	35	03-Mar-17	06-Apr-17											
SO Approval with Condition Received	0		06-Apr-17											
(E1) DDA - Southern Landfall Seawall Modification														
Preparation of DDA Modification of Seawall at Sth Landfall	18	07-Apr-17	02-May-17											
Review & Comment by JV	18	04-May-17	24-May-17											
Designer prepare DDA	10	25-May-17	06-Jun-17											
Formal Submission of DDA to ICE/ IPs	0		06-Jun-17											
Advanced Submission to SO	0		06-Jun-17											
IPs/ SO's Advance Comments/ ICE Comments	28	07-Jun-17	04-Jul-17											
(E3) DDA for Sewerage, Drainage, Waterworks & Utility works for South Landfall														
Designer to Reply Rtc + Update Submission	21	02-Feb-15	04-Mar-15											
Submit Updated DDA to SO/ ICE/ IPs	0		05-Mar-15											
ICE Approval & Issue Check Cert	12	05-Mar-15	18-Mar-15											
Submit ICE Check Cert to SO	6	19-Mar-15	25-Mar-15											
IPs Review	28	05-Mar-15	01-Apr-15											
IPs No Objection Received	0		01-Apr-15											
SO's Review	35	05-Mar-15	08-Apr-15											
SO Approval with Condition Received	0		08-Apr-15											
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											
Submit Method Statement to SO	0		29-Jul-15											
SO Reviews & Comments	28	30-Jul-15	26-Aug-15											
Re-submission	6	27-Aug-15	02-Sep-15											
SO's Review	28	03-Sep-15	30-Sep-15											
SO's Approval	0		30-Sep-15											
Construction														
Temporary Platform for Ground Treatment for TBM passing under Southern Seawall	48	06-Aug-15	02-Oct-15											
Grouting Treatment for TBM passing under Southern Seawall	339	03-Oct-15	25-Nov-16											
Testing & Commissioning/Inspection & Handover														
Final Inspection & Handover														
Design Submission														
(A12) Maintenance Matrix														
Preparation of Maintenance Matrix	35	24-Dec-15	05-Feb-16											
1st Submission	0		05-Feb-16											
SO's Comments for 1st Submission	35	06-Feb-16	11-Mar-16											
Prepare Re-submission	18	12-Mar-16	06-Apr-16											
(A13) Operation & Maintenance Manual														
Preparation of Operation and Maintenance Manual	48	24-Dec-15	27-Feb-16											
1st Submission	0		27-Feb-16											
SO's Comments for 1st Submission	35	28-Feb-16	02-Apr-16											
(A14) As-built & As-fabricated Drawings														
Preparation of As-built and As-fabricated Drawings	48	24-Dec-15	27-Feb-16											
1st Submission	0		27-Feb-16											
SO's Comments for 1st Submission	35	28-Feb-16	02-Apr-16											
(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, operation and mai	48	24-Dec-15	27-Feb-16											
1st Submission	0		27-Feb-16											
SO's Comments for 1st Submission	35	28-Feb-16	02-Apr-16											