

Activity Name	2017									
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
TMCLK - Northern Connection Sub-Sea Tunnel Section										
Contract Dates										
Commencement and Completion Dates										
KD05 - Completion of Section 1A2 - Portion N1 to N4					◆ KD05 - Completion of Section 1A2 - Portion N1 to N4					
KD07 - Completion of Section 1C - Portion N5 & N7					◆ KD07 - Completion of Section 1C - Portion N5 & N7					
Site Possession Date										
Portions: X1,(N10,11,13 & 14) - Sth Landfall										
Handover Date										
Portions: N1~ N4					◆ Portions: N1~ N4					
Portions: N5 & N7					◆ Portions: N5 & N7					
Portion: N6A					◆ Portion: N6A					
General Submissions										
PAYMENT MILESTONE										
Design and Design Checking of the Works										
MS 2.5 Submit AIP for seawall modification works at Southern Landfall										
					◆ MS 2.6 Approve AIP for seawall modification works at Southern Landfall by the Supervising Officer					
MS 2.6 Approve AIP for seawall modification works at Southern Landfall by the Supervising Officer										
MS 2.7 Submit DDA for seawall modification works at Southern Landfall					◆ MS 2.7 Submit DDA for seawall modification works at Southern Landfall					
MS 2.8 Approve DDA for seawall modification works at Southern Landfall by the Supervising Officer					◆ MS 2.8 Approve DDA for seawall modification works					
MS 2.44 Approve DDA for South Ventilation Building by the Supervising Officer										
MS 2.52 Approve DDA for Facilities Provision for TCSS by the Supervising Officer										
MS 2.60 Approve DDA for Drainage, Sewerage, Waterworks and Utilities at Northern Landfall by the Supervising Officer										
MS 2.69 Submit draft Operation and Maintenance Manual for all Tunnels and Cross Passgases										
MS 2.70 Accept Operation and Maintenance Manual for all Tunnels and Cross Passgases by the Supervising Officer										
MS 2.71 Submit draft Operation and Maintenance Manual for all works except Tunnels and Cross Passgases										
MS 2.72 Accept Operation and Maintenance Manual for all works except Tunnels and Cross Passgases by the Supervising Officer										
MS 2.73 Complete the whole of the activities under this Cost Centre to the satisfaction of the Supervising Officer					◆ MS 2.73 Complete the whole of the activities under this					
Tunnel Boring Machine (TBM) and Back-up Equipment for TBM Tunnel										
MS 3.1.6 Removal of TBM for Southbound Tunnel from Site after the completion of TBM Tunnel										
MS 3.1.12 Removal of TBM for Northbound Tunnel from Site after the completion of TBM Tunnel										
MS 3.1.25 Demolition of Slurry Treatment Plant on completion										
MS 3.1.26 Complete the whole of the activities under this Cost Centre Part to the satisfaction of the Supervising Officer										
TBM Tunnel										
MS 3.3.4 Complete walls of retrieval shaft										
MS 3.3.5 Complete excavation to formation level for retrieval shaft and complete casting of base slab					◆ MS 3.3.5 Complete excavation to formation level for retrieval shaft and complete casting of base slab					
MS 3.3.6 Complete all necessary works of retrieval shaft to facilitate retrieval of TBM					◆ MS 3.3.6 Complete all necessary works of retrieval shaft to facilitate retrieval of TBM					
MS 3.3.45 Completion of excavation, support and permanent lining for 60% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.46 Completion of excavation, support and permanent lining for 62.5% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.47 Completion of excavation, support and permanent lining for 65% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.48 Completion of excavation, support and permanent lining for 67.5% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.49 Completion of excavation, support and permanent lining for 70% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.50 Completion of excavation, support and permanent lining for 72.5% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.51 Completion of excavation, support and permanent lining for 75% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.52 Completion of excavation, support and permanent lining for 77.5% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.53 Completion of excavation, support and permanent lining for 80% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.54 Completion of excavation, support and permanent lining for 82.5% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.55 Completion of excavation, support and permanent lining for 85% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.56 Completion of excavation, support and permanent lining for 87.5% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.57 Completion of excavation, support and permanent lining for 90% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.58 Completion of excavation, support and permanent lining for 92.5% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.59 Completion of excavation, support and permanent lining for 95% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.60 Completion of excavation, support and permanent lining for 97.5% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.61 Completion of excavation, support and permanent lining for 100% of the total length (measured on plan) of the Northbound TBM Tunnel										
MS 3.3.111 Completion of excavation, support and permanent lining for 87.5% of the total length (measured on plan) of the Southbound TBM Tunnel										
MS 3.3.112 Completion of excavation, support and permanent lining for 90% of the total length (measured on plan) of the Southbound TBM Tunnel										
MS 3.3.113 Completion of excavation, support and permanent lining for 92.5% of the total length (measured on plan) of the Southbound TBM Tunnel										
MS 3.3.114 Completion of excavation, support and permanent lining for 95% of the total length (measured on plan) of the Southbound TBM Tunnel										
MS 3.3.115 Completion of excavation, support and permanent lining for 97.5% of the total length (measured on plan) of the Southbound TBM Tunnel										
MS 3.3.116 Completion of excavation, support and permanent lining for 100% of the total length (measured on plan) of the Southbound TBM Tunnel										
MS 3.3.118 Complete tunnel internal structures for 50% of total length (measured on plan) of the Northbound TBM Tunnel										
					◆ MS 3.3.119 Complete tunnel internal structures for 75% of total length (measured on plan) of the Northbound TBM Tunnel					
MS 3.3.120 Complete tunnel internal structures for 100% of total length (measured on plan) of the Northbound TBM Tunnel										
					◆ MS 3.3.120 Complete tunnel internal structures for 100% of total length (measured on plan) of the Northbound TBM Tunnel					
MS 3.3.122 Complete tunnel internal structures for 50% of total length (measured on plan) of the Southbound TBM Tunnel										
					◆ MS 3.3.123 Complete tunnel internal structures for 75% of total length (measured on plan) of the Southbound TBM Tunnel					
MS 3.3.124 Complete tunnel internal structures for 100% of total length (measured on plan) of the Southbound TBM Tunnel										
					◆ MS 3.3.124 Complete tunnel internal structures for 100% of total length (measured on plan) of the Southbound TBM Tunnel					
MS 3.3.125 Complete drainage and sewerage installations of the Northbound TBM Tunnel										
					◆ MS 3.3.125 Complete drainage and sewerage installations of the Northbound TBM Tunnel					
MS 3.3.126 Complete drainage and sewerage installations of the Southbound TBM Tunnel										
					◆ MS 3.3.126 Complete drainage and sewerage installations of the Southbound TBM Tunnel					
Cross Passages for TBM Tunnel										
MS 3.3.1 Complete 50% of ground treatment for excavation of all Type 1 Cross Passages(Percentage to be certified for 50%)										
MS 3.3.2 Complete 100% of ground treatment for excavation of all Type 1 Cross Passages(Percentage to be certified for 100%)					◆ MS 3.3.2 Complete 100% of ground treatment for excavation of all Type 1 Cross Passages(Percentage to be certified for 100%)					
MS 3.3.3 Complete 50% of ground treatment for excavation of all Type 2 Cross Passages(Percentage to be certified for 50%)					◆ MS 3.3.3 Complete 50% of ground treatment for excavation of all Type 2 Cross Passages(Percentage to be certified for 50%)					
MS 3.3.4 Complete 100% of ground treatment for excavation of all Type 2 Cross Passages(Percentage to be certified for 100%)					◆ MS 3.3.4 Complete 100% of ground treatment for excavation of all Type 2 Cross Passages(Percentage to be certified for 100%)					
MS 3.3.5 Complete 50% of excavation and support for all Type 1 Cross Passages(Percentage to be certified for 50%)					◆ MS 3.3.5 Complete 50% of excavation and support for all Type 1 Cross Passages(Percentage to be certified for 50%)					
MS 3.3.6 Complete 100% of excavation and support for all Type 1 Cross Passages(Percentage to be certified for 100%)					◆ MS 3.3.6 Complete 100% of excavation and support for all Type 1 Cross Passages(Percentage to be certified for 100%)					
MS 3.3.7 Complete 50% of excavation and support for all Type 2 Cross Passages(Percentage to be certified for 50%)					◆ MS 3.3.7 Complete 50% of excavation and support for all Type 2 Cross Passages(Percentage to be certified for 50%)					
MS 3.3.8 Complete 100% of excavation and support for all Type 2 Cross Passages(Percentage to be certified for 100%)					◆ MS 3.3.8 Complete 100% of excavation and support for all Type 2 Cross Passages(Percentage to be certified for 100%)					
MS 3.3.9 Complete 50% of permanent lining and internal structures for all Type 1 Cross Passages(Percentage to be certified for 50%)					◆ MS 3.3.9 Complete 50% of permanent lining and internal structures for all Type 1 Cross Passages(Percentage to be certified for 50%)					
MS 3.3.10 Complete 100% of permanent lining and internal structures for all Type 1 Cross Passages(Percentage to be certified for 100%)					◆ MS 3.3.10 Complete 100% of permanent lining and internal structures for all Type 1 Cross Passages(Percentage to be certified for 100%)					
MS 3.3.11 Complete 50% of permanent lining and internal structures for all Type 2 Cross Passages(Percentage to be certified for 50%)					◆ MS 3.3.11 Complete 50% of permanent lining and internal structures for all Type 2 Cross Passages(Percentage to be certified for 50%)					
MS 3.3.12 Complete 100% of permanent lining and internal structures for all Type 2 Cross Passages(Percentage to be certified for 100%)					◆ MS 3.3.12 Complete 100% of permanent lining and internal structures for all Type 2 Cross Passages(Percentage to be certified for 100%)					
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 Tunnels										
MS 4.1.2 Complete 20% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover Tunnels										
MS 4.1.3 Complete 30% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover Tunnels										
MS 4.1.4 Complete 40% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover Tunnels										
MS 4.1.5 Complete 50% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover Tunnels										
MS 4.1.6 Complete 60% of total length (measured on plan) of temporary retaining walls for excavation of Cut-and-cover Tunnels										

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

Date	Revision	Checked	Approved
12-Feb-14	TMCLK\BJGEN\PRG98507	WYu	SPo
08-Apr-14	TMCLK\BJGEN\PRG98507 Rev B	SPo	WYu
28-Aug-14	TMCLK\BJGEN\PRG98507 Rev C	CLa	WYu
30-Oct-15	TMCLK\BJGEN\PRG98507 Rev F	WYu	

Activity Name	2017									
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MS 4.1.7 Complete 70% of total length (measured on plan) of temporary retaining walls for excavation of Cut-										
MS 4.1.8 Complete 80% of total length (measured on plan) of temporary retaining walls for excavation of Cut-										
MS 4.1.9 Complete 90% of total length (measured on plan) of temporary retaining walls for excavation of Cut-										
MS 4.1.10 Complete 100% of total length (measured on plan) of temporary retaining walls for excavation of C										
MS 4.1.11										
MS 4.1.12 Complete 40% of excavation for Cut-and-cover tunnel										
MS 4.1.13 Complete 60% of excavation for Cut-and-cover tunnel										
MS 4.1.14 Complete 80% of excavation for Cut-and-cover tunnel										
MS 4.1.15 Complete 100% of excavation for Cut-and-cover tunnel										
MS 4.1.16 Complete permanent tunnel structure for 10% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.17 Complete permanent tunnel structure for 20% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.18 Complete permanent tunnel structure for 30% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.19 Complete permanent tunnel structure for 40% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.20 Complete permanent tunnel structure for 50% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.21 Complete permanent tunnel structure for 60% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.22 Complete permanent tunnel structure for 70% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.23 Complete permanent tunnel structure for 80% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.24 Complete permanent tunnel structure for 90% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.25 Complete permanent tunnel structure for 100% of the total length (measured on plan) of Cut-and-cc										
MS 4.1.26 Complete excavation for 50% of total length (measured on plan) of all Cross Passages										
MS 4.1.27 Complete excavation for 100% of total length (measured on plan) of all Cross Passages										
MS 4.1.28 Complete permanent junction structure at interface between Cut-and-cover Tunnel and TBM Tun										
MS 4.1.29 Complete pavement for 50% of the total length (measured on plan) of Cut-and-cover Tunnel										
MS 4.1.30 Complete pavement for 100% of the total length (measured on plan) of Cut-and-cover Tunnel										
MS 4.1.31 Complete the whole of the activities under this Cost Centre to the satisfaction of the Supervising Off										
Cut-and-cover Tunnel at Northern Landfall										
MS 4.2.22 Complete tunnel internal structure for 50% of NB Northern Landfall TBM Tunnel										
MS 4.2.23 Complete tunnel internal structure for 100% of NB Northern Landfall TBM Tunnel										
MS 4.2.25 Complete tunnel internal structure for 100% of SB Northern Landfall TBM Tunnel										
MS 4.2.29 Complete 100% of permanent lining and internal structures for all Northern Landfall Cross Passag										
MS 4.2.30 Complete Permanent tunnel structure for 25% of Cut and Cover Tunnel										
MS 4.2.31 Complete Permanent tunnel structure for 50% of Cut and Cover Tunnel										
MS 4.2.32 Complete Permanent tunnel structure for 75% of Cut and Cover Tunnel										
MS 4.2.33 Complete Permanent tunnel structure for 100% of Cut and Cover Tunnel										
MS 4.2.34 Complete Permanent junction structure at interface between Cut-and-cover and TBM Tunnel										
Approach Ramp Structures to Cut-and-cover Tunnel at Southern Landfall										
MS 5.1.2 Complete 40% of excavation for approach ramp structures										
MS 5.1.3 Complete 60% of excavation for approach ramp structures										
MS 5.1.4 Complete 80% of excavation for approach ramp structures										
MS 5.1.5 Complete 100% of excavation for approach ramp structures										
MS 5.1.6 Complete retaining wall foundation for 10% of the total length (measured on plan) of approach ramp										
MS 5.1.7 Complete retaining wall foundation for 20% of the total length (measured on plan) of approach ramp										
MS 5.1.8 Complete retaining wall foundation for 30% of the total length (measured on plan) of approach ramp										
MS 5.1.9 Complete retaining wall foundation for 40% of the total length (measured on plan) of approach ramp										
MS 5.1.10 Complete retaining wall foundation for 50% of the total length (measured on plan) of approach ramp										
MS 5.1.11 Complete retaining wall foundation for 60% of the total length (measured on plan) of approach ramp										
MS 5.1.12 Complete retaining wall foundation for 70% of the total length (measured on plan) of approach ramp										
MS 5.1.13 Complete retaining wall foundation for 80% of the total length (measured on plan) of approach ramp										
MS 5.1.14 Complete retaining wall foundation for 90% of the total length (measured on plan) of approach ramp										
MS 5.1.15 Complete retaining wall foundation for 100% of the total length (measured on plan) of approach ramp										
MS 5.1.16 Complete retaining wall structure for 10% of the total length (measured on plan) of approach ramp										
MS 5.1.17 Complete retaining wall structure for 20% of the total length (measured on plan) of approach ramp										
MS 5.1.18 Complete retaining wall structure for 30% of the total length (measured on plan) of approach ramp										
MS 5.1.19 Complete retaining wall structure for 40% of the total length (measured on plan) of approach ramp										
MS 5.1.20 Complete retaining wall structure for 50% of the total length (measured on plan) of approach ramp										
MS 5.1.21 Complete retaining wall structure for 60% of the total length (measured on plan) of approach ramp										
MS 5.1.22 Complete retaining wall structure for 70% of the total length (measured on plan) of approach ramp										
MS 5.1.23 Complete retaining wall structure for 80% of the total length (measured on plan) of approach ramp										
MS 5.1.24 Complete retaining wall structure for 90% of the total length (measured on plan) of approach ramp										
Approach Ramp Structures to Cut-and-cover Tunnel at Northern Landfall										
MS 5.2.1 Complete 20% of excavation for approach ramp structures										
MS 5.2.2 Complete 40% of excavation for approach ramp structures										
MS 5.2.6 Complete retaining wall foundation for 10% of the total length (measured on plan) of approach ramp										
MS 5.2.7 Complete retaining wall foundation for 20% of the total length (measured on plan) of approach ramp										
MS 5.2.8 Complete retaining wall foundation for 30% of the total length (measured on plan) of approach ramp										
MS 5.2.9 Complete retaining wall foundation for 40% of the total length (measured on plan) of approach ramp										
MS 5.2.10 Complete retaining wall foundation for 50% of the total length (measured on plan) of approach ramp										
MS 5.2.11 Complete retaining wall foundation for 60% of the total length (measured on plan) of approach ramp										
MS 5.2.12 Complete retaining wall foundation for 70% of the total length (measured on plan) of approach ramp										
MS 5.2.13 Complete retaining wall foundation for 80% of the total length (measured on plan) of approach ramp										
MS 5.2.14 Complete retaining wall foundation for 90% of the total length (measured on plan) of approach ramp										
MS 5.2.15 Complete retaining wall foundation for 100% of the total length (measured on plan) of approach ramp										
At grade Roads at Southern Landfall										
MS 6.1.1 Complete sub-base works of 20% of total area of at grade roads										
MS 6.1.5 Complete pavement of 20% of total area of at grade roads										
MS 6.1.13 Complete drainage installation of 20% length of total length (measured on plan) of drainage pipes										
MS 6.1.14 Complete drainage installation of 50% length of total length (measured on plan) of drainage pipes										
MS 6.1.17 Complete watermains installation of 20% length of total length (measured on plan) of watermains										
At grade Roads at Northern Landfall										
MS 6.2.1 Complete sub-base works of 20% of total area of at grade roads										
MS 6.2.5 Complete pavement of 20% of total area of at grade roads										
MS 6.2.13 Complete drainage installation of 20% length of total length (measured on plan) of drainage pipes										
MS 6.2.14 Complete drainage installation of 50% length of total length (measured on plan) of drainage pipes										
MS 6.2.17 Complete sewerage installation of 20% length of total length (measured on plan) of sewerage pipes										
MS 6.2.18 Complete sewerage installation of 50% length of total length (measured on plan) of sewerage pipes										
MS 6.2.21 Complete watermains installation of 20% length of total length (measured on plan) of watermains										
MS 6.2.23 Complete watermains installation of 50% length of total length (measured on plan) of watermains										

- 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 30-Jul-17

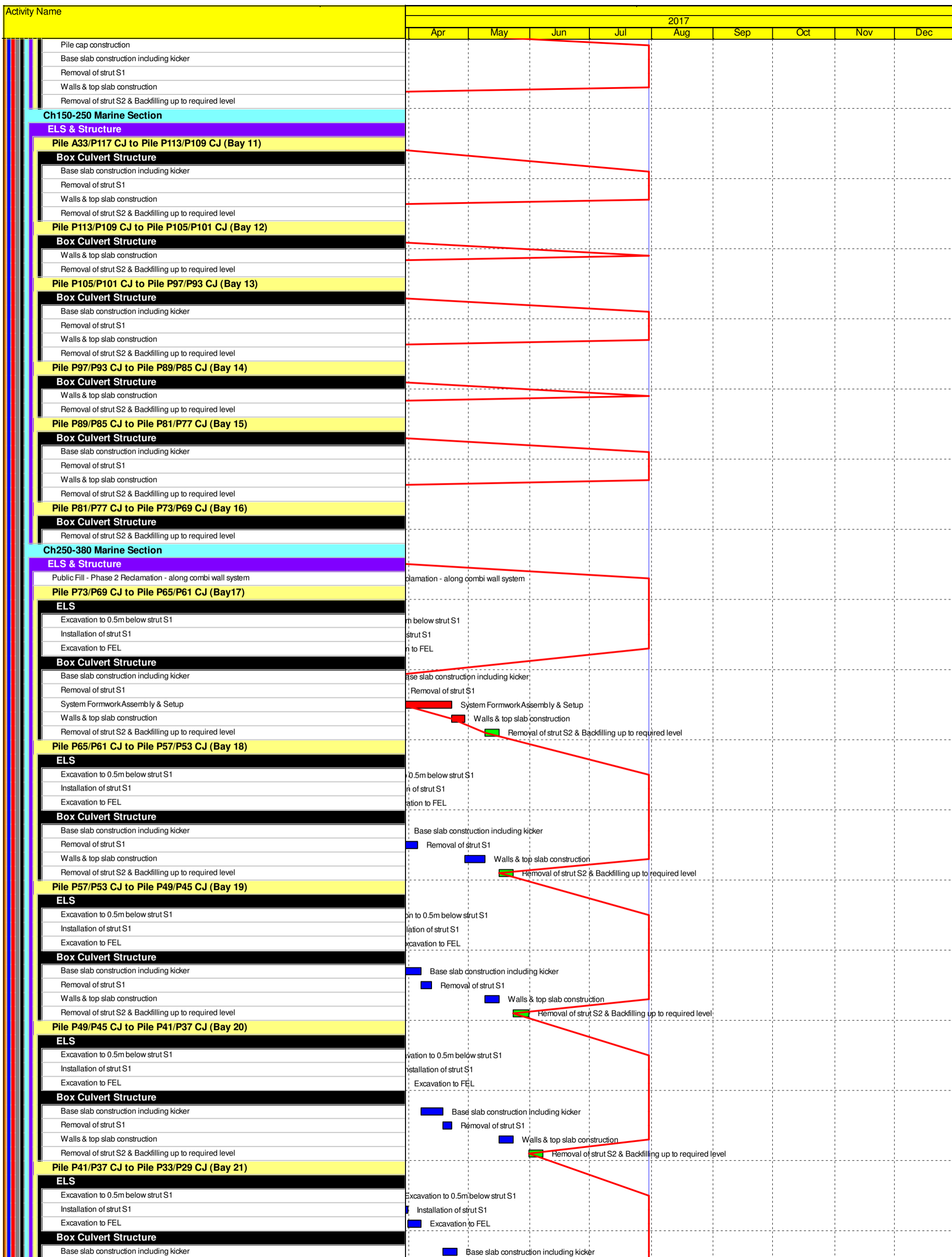
Date	Revision	Checked	Approved
12-Feb-14	TMCLK\BJGEN\PRG98507	WYu	SPo
08-Apr-14	TMCLK\BJGEN\PRG98507 Rev B	SPa	WYu
28-Aug-14	TMCLK\BJGEN\PRG98507 Rev C	CLa	WYu
30-Oct-15	TMCLK\BJGEN\PRG98507 Rev F	WYu	

Activity Name	2017									
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South Ventilation Buildings										
MS 7.1.1 Complete 100% of cofferdam for excavation										
MS 7.1.2 Complete 100% of excavation to the formation level										
MS 7.1.3 Complete 100% of foundation for the ventilation building										
MS 7.1.4 Complete concreting works of 25% area of the total construction floor area for the ventilation building										
MS 7.1.5 Complete concreting works of 50% area of the total construction floor area for the ventilation building										
MS 7.1.6 Complete concreting works of 75% area of the total construction floor area for the ventilation building										
MS 7.1.7 Complete concreting works of 100% area of the total construction floor area for the ventilation building										
MS 7.1.9 Complete 100% of drainage, watermain and utilities connection works for the ventilation building										◆ MS 7.1.9 Complete 100% of drainage, watermain and utilities connect
North Ventilation Buildings										
MS 7.2.4 Complete concreting works of 25% area of the total construction floor area for the ventilation building										
MS 7.2.5 Complete concreting works of 50% area of the total construction floor area for the ventilation building										
MS 7.2.6 Complete concreting works of 75% area of the total construction floor area for the ventilation building										
MS 7.2.7 Complete concreting works of 100% area of the total construction floor area for the ventilation building										◆ MS 7.2.7 Complete concreting works of 100% area of the total construction floor area for the ventilation building
MS 7.2.9 Complete 100% of drainage, watermain and utilities connection works for the ventilation building										◆ MS 7.2.9 Complete 100% of drainage, watermain and utilities connect
Facilities Provision for TCSS for At Grade Roads at Southern Landfall										◆ MS 8.1.5 Complete 25% of support foundation, ductings, drawpits for a
MS 8.1.5 Complete 25% of support foundation, ductings, drawpits for at grade roads										
Facilities Provision for TCSS for At Grade Roads at Northern Landfall										
MS 8.2.5 Complete 25% of support foundation, ductings, drawpits for at grade roads										◆ MS 8.2.5 Complete 25% of support foundation, ductings, drawpits for at grade roads
MS 8.2.6 Complete 50% of support foundation, ductings, drawpits for at grade roads										◆ MS 8.2.6 Complete 50% of support foundation, duct
Facilities Provision for E&M Works for TBM Tunnel, Cut & Cover Tunnels and C										
MS 9.1.1 Complete 25% of bonding terminal, opening and accessories, etc.										
MS 9.1.2 Complete 25% of plinth, hoisting facilities and accessories, etc.										
MS 9.1.3 Complete 50% of bonding terminal, opening and accessories, etc.										
MS 9.1.4 Complete 50% of plinth, hoisting facilities and accessories, etc.										
MS 9.1.5 Complete 75% of bonding terminal, opening and accessories, etc.										◆ MS 9.1.5 Complete 75% of bonding terminal, opening and accessories, etc.
MS 9.1.6 Complete 75% of plinth, hoisting facilities and accessories, etc.										◆ MS 9.1.6 Complete 75% of plinth, hoisting facilities and accessories, etc.
MS 9.1.7 Complete 95% of bonding terminal, opening and accessories, etc.										◆ MS 9.1.7 Complete 95% of bonding terminal, opening and accessories
MS 9.1.8 Complete 95% of plinth, hoisting facilities and accessories, etc.										◆ MS 9.1.8 Complete 95% of plinth, hoisting facilities and accessories, et
Facilities Provision for E&M Works for South Ventilation Building										
MS 9.4.1 Complete 25% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, conceal										◆ MS 9.4.1 Complete 25% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, conceal conduit, o
MS 9.4.2 Complete 25% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.										◆ MS 9.4.2 Complete 25% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.
MS 9.4.3 Complete 25% of floor drain, water tank and accessories, etc.										◆ MS 9.4.3 Complete 25% of floor drain, water tank and accessories, etc.
MS 9.4.4 Complete 50% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, conceal										◆ MS 9.4.4 Complete 50% of bonding terminal, main earth mat, clean earth mat, earth pit, li
MS 9.4.5 Complete 50% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.										◆ MS 9.4.5 Complete 50% of plinth, hoisting facilities, louver, wire mesh and accessories, et
MS 9.4.6 Complete 50% of floor drain, water tank and accessories, etc.										◆ MS 9.4.6 Complete 50% of floor drain, water tank and accessories, etc.
MS 9.4.7 Complete 75% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, conceal										◆ MS 9.4.7 Complete 75% of bonding terminal, main earth mat, clean ea
MS 9.4.8 Complete 75% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.										◆ MS 9.4.8 Complete 75% of plinth, hoisting facilities, louver, wire mesh a
MS 9.4.9 Complete 75% of floor drain, water tank and accessories, etc.										◆ MS 9.4.9 Complete 75% of floor drain, water tank and accessories, etc.
MS 9.4.10 Complete 95% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, concea										◆ MS 9.4.10 Complete 95% of bonding terminal, main
MS 9.4.11 Complete 95% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.										◆ MS 9.4.11 Complete 95% of plinth, hoisting facilities,
MS 9.4.12 Complete 95% of floor drain, water tank and accessories, etc.										◆ MS 9.4.12 Complete 95% of floor drain, water tank a
Facilities Provision for E&M Works for North Ventilation Building										
MS 9.5.1 Complete 25% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, conceal										◆ MS 9.5.1 Complete 25% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, conceal conduit, o
MS 9.5.2 Complete 25% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.										◆ MS 9.5.2 Complete 25% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.
MS 9.5.3 Complete 25% of floor drain, water tank and accessories, etc.										◆ MS 9.5.3 Complete 25% of floor drain, water tank and accessories, etc.
MS 9.5.4 Complete 50% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, conceal										◆ MS 9.5.4 Complete 50% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, concea
MS 9.5.5 Complete 50% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.										◆ MS 9.5.5 Complete 50% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.
MS 9.5.6 Complete 50% of floor drain, water tank and accessories, etc.										◆ MS 9.5.6 Complete 50% of floor drain, water tank and accessories, etc.
MS 9.5.7 Complete 75% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, conceal										◆ MS 9.5.7 Complete 75% of bonding terminal, main earth mat, clean earth mat, earth pit, li
MS 9.5.8 Complete 75% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.										◆ MS 9.5.8 Complete 75% of plinth, hoisting facilities, louver, wire mesh and accessories, et
MS 9.5.9 Complete 75% of floor drain, water tank and accessories, etc.										◆ MS 9.5.9 Complete 75% of floor drain, water tank and accessories, etc.
MS 9.5.10 Complete 95% of bonding terminal, main earth mat, clean earth mat, earth pit, lightning pit, concea										◆ MS 9.5.10 Complete 95% of bonding terminal, main
MS 9.5.11 Complete 95% of plinth, hoisting facilities, louver, wire mesh and accessories, etc.										◆ MS 9.5.11 Complete 95% of plinth, hoisting facilities,
MS 9.5.12 Complete 95% of floor drain, water tank and accessories, etc.										◆ MS 9.5.12 Complete 95% of floor drain, water tank a
Construction										
Northern Landfall										
Box Culvert Extension										
Construction										
Ch000-010 Culvert Outfall										
Removal of temporary bulk head										
CH100-150 Land Section										
ELS & Structure										
Pile A41/A39 CJ to Pile A39/A37 CJ (Bay 7)										
Box Culvert Structure										
Pile cap construction										
Base slab construction including kicker										
Removal of strut S1										
Sliding formworks 1st assembly										
Walls & top slab construction										
Removal of strut S2 & Backfilling up to required level										
Pile A39/A37 CJ to Pile A37/A35 CJ (Bay 8)										
Box Culvert Structure										
Pile cap construction										
Base slab construction including kicker										
Removal of strut S1										
Walls & top slab construction										
Removal of strut S2 & Backfilling up to required level										
Pile A37/A35 CJ to Pile A35/A33 CJ (Bay 9)										
Box Culvert Structure										
Pile cap construction										
Base slab construction including kicker										
Removal of strut S1										
Walls & top slab construction										
Removal of strut S2 & Backfilling up to required level										
Pile A35/A33 CJ to Pile A33/P117 CJ (Bay 10)										
Box Culvert Structure										

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

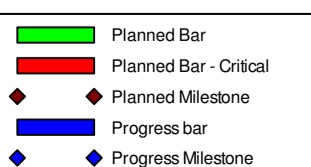
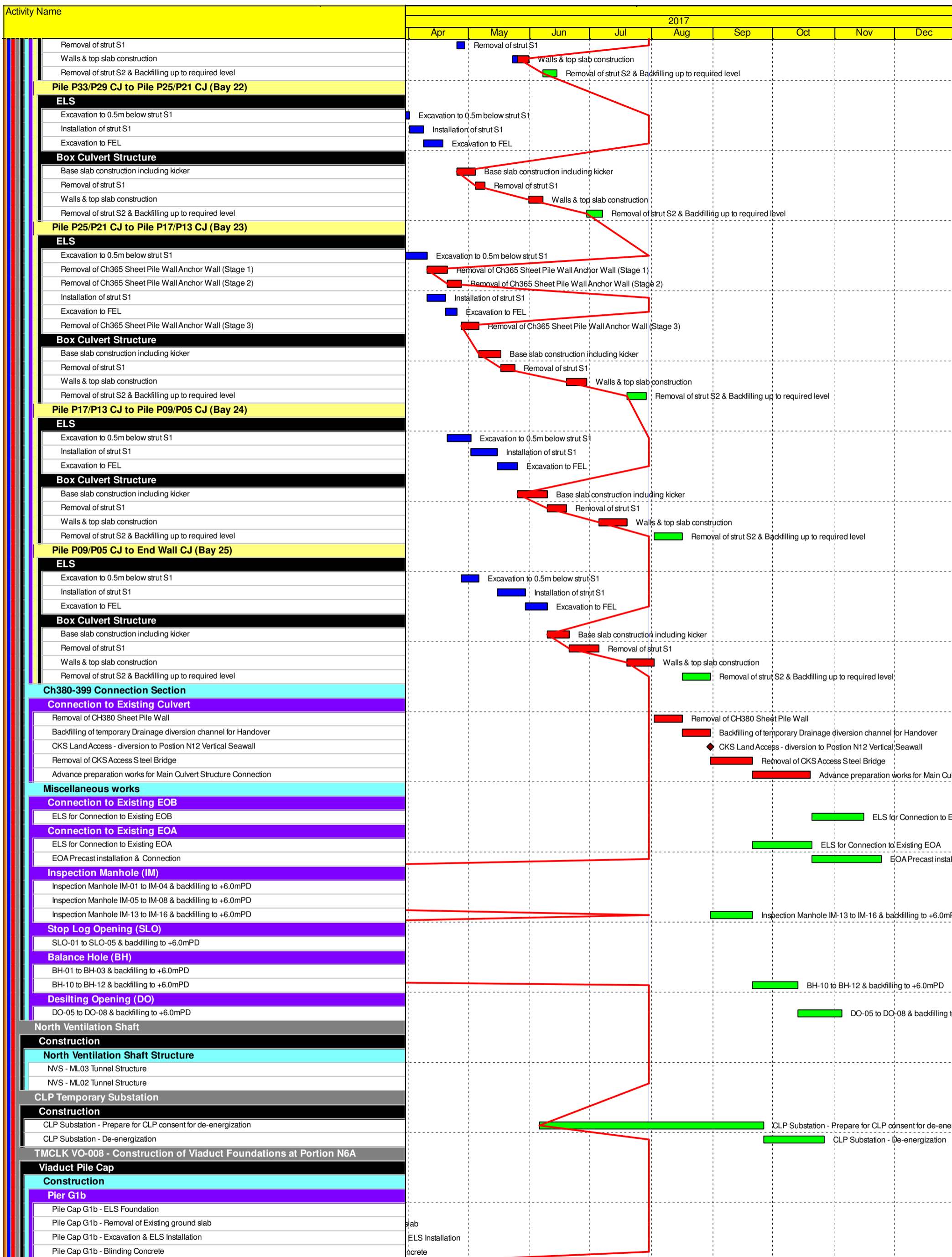
TMCLK - Northern Connection Sub-Sea Tunnel Section
 Detailed Works Programme (Rev. F)
 Three Months Rolling Programme
 Progress as of 30-Jul-17

Date	Revision	Checked	Approved
12-Feb-14	TMCLKDBJGEN-PRG98507	WYu	SPo
08-Apr-14	TMCLKDBJGEN-PRG98507 Rev B	SPo	WYu
28-Aug-14	TMCLKDBJGEN-PRG98507 Rev C	CLa	WYu
30-Oct-15	TMCLKDBJGEN-PRG98507 Rev F	WYu	

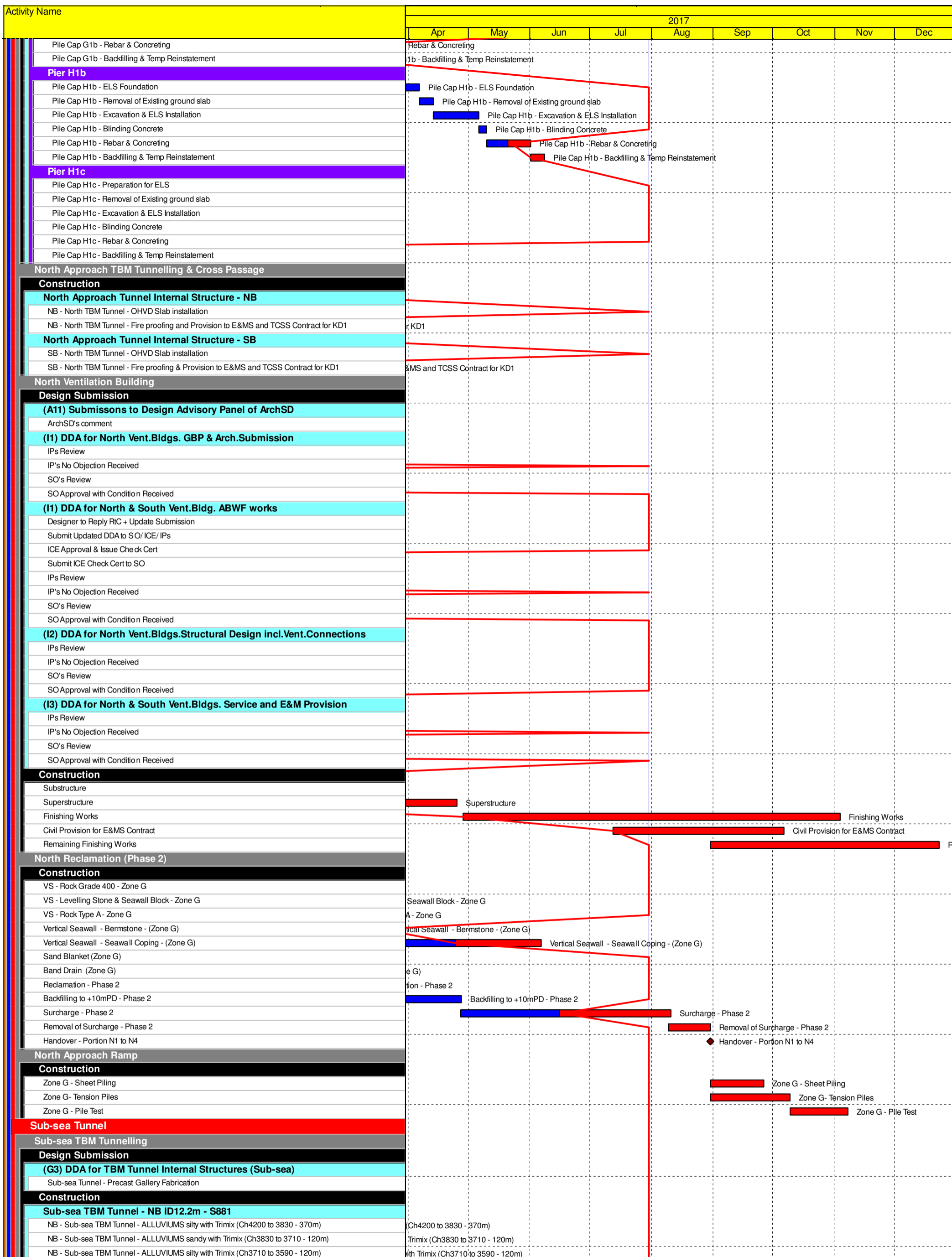


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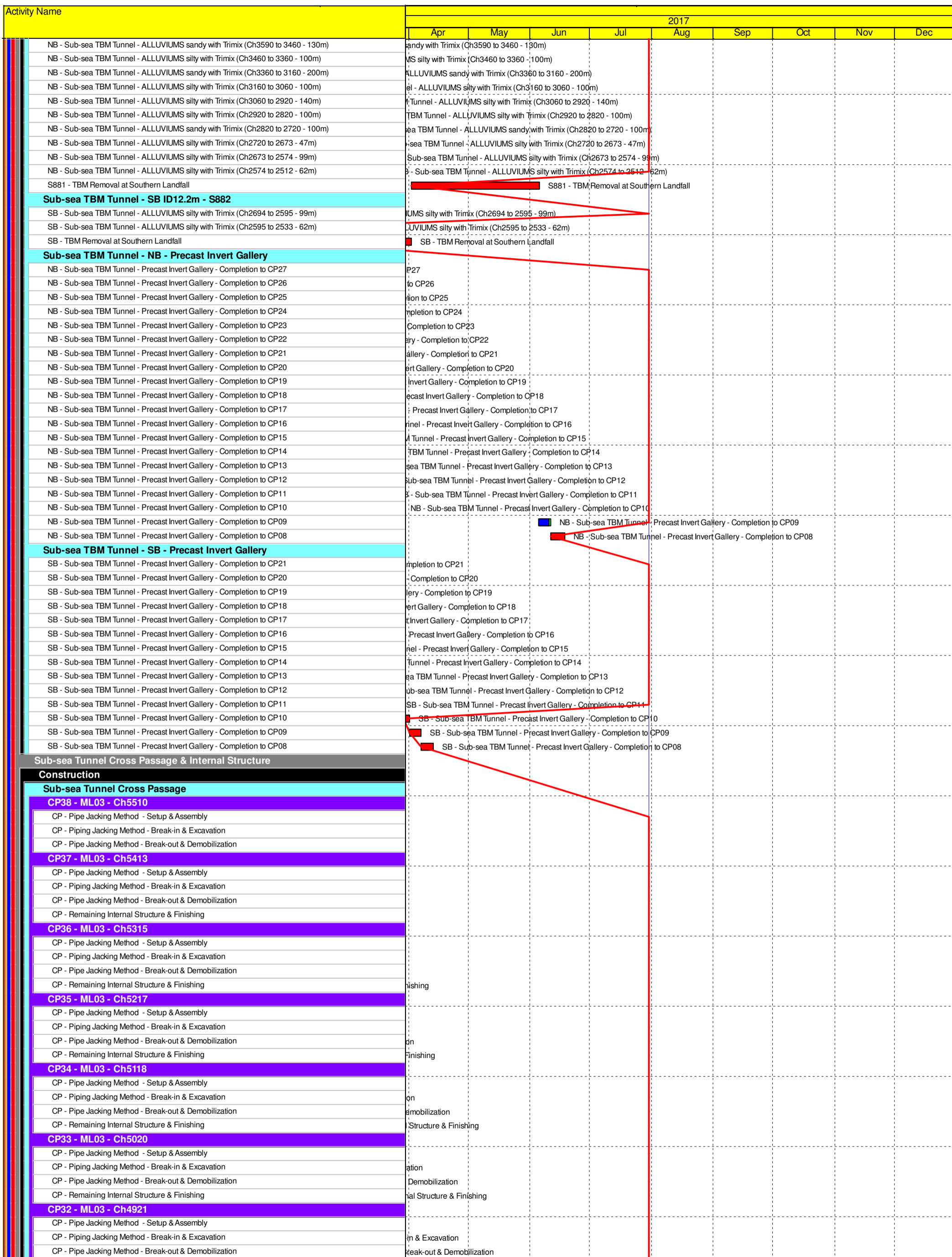
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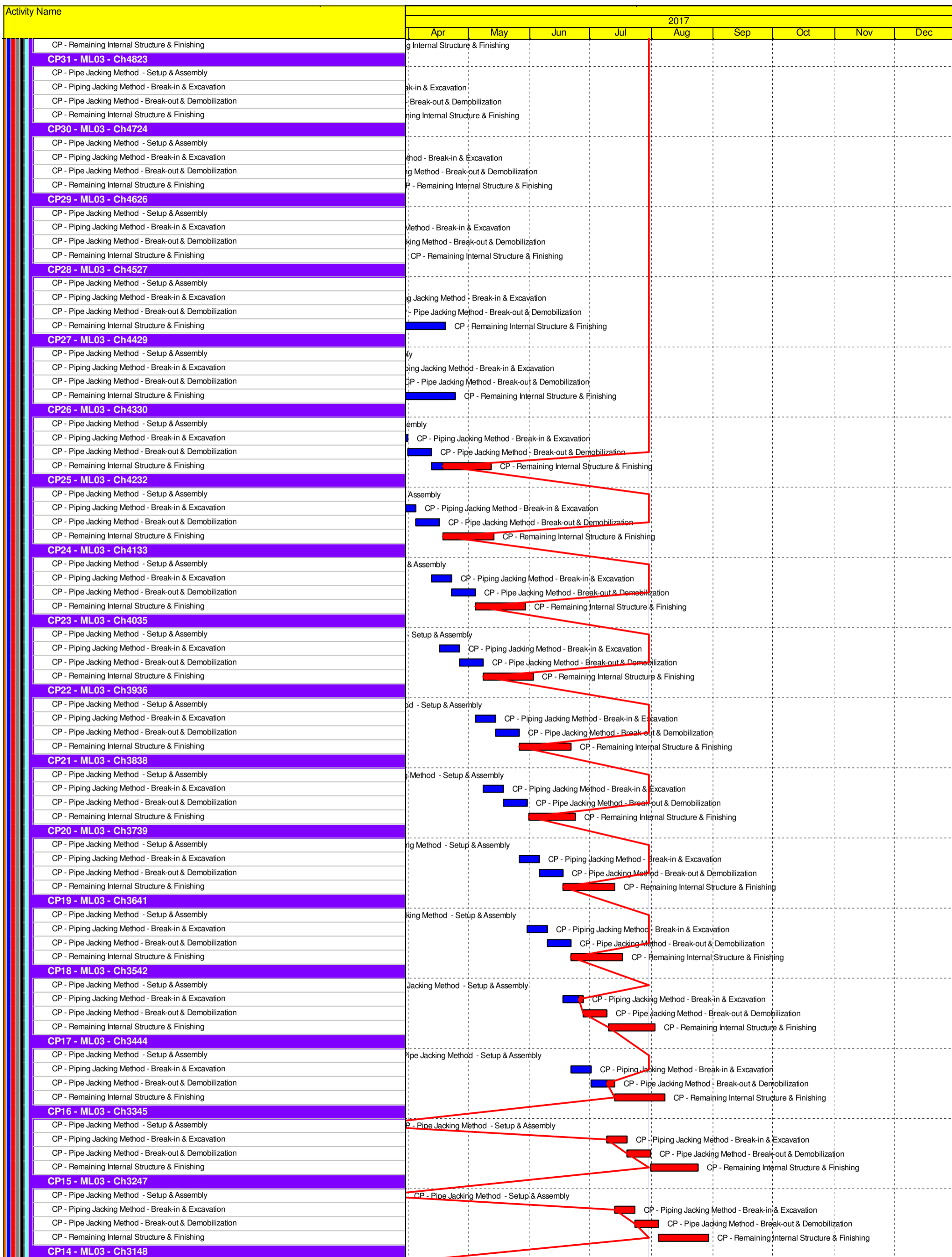
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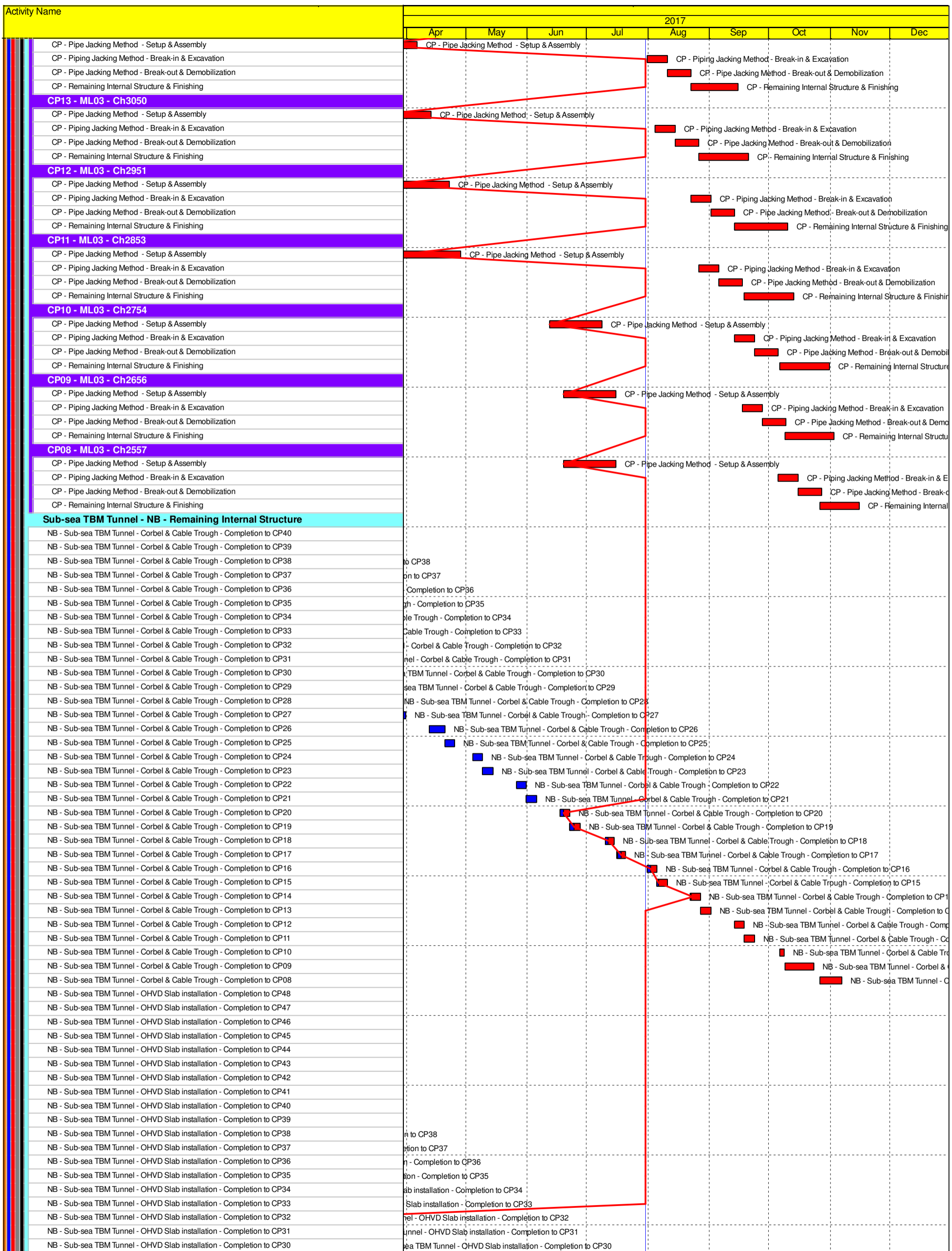
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TMCLK - Northern Connection Sub-Sea Tunnel Section
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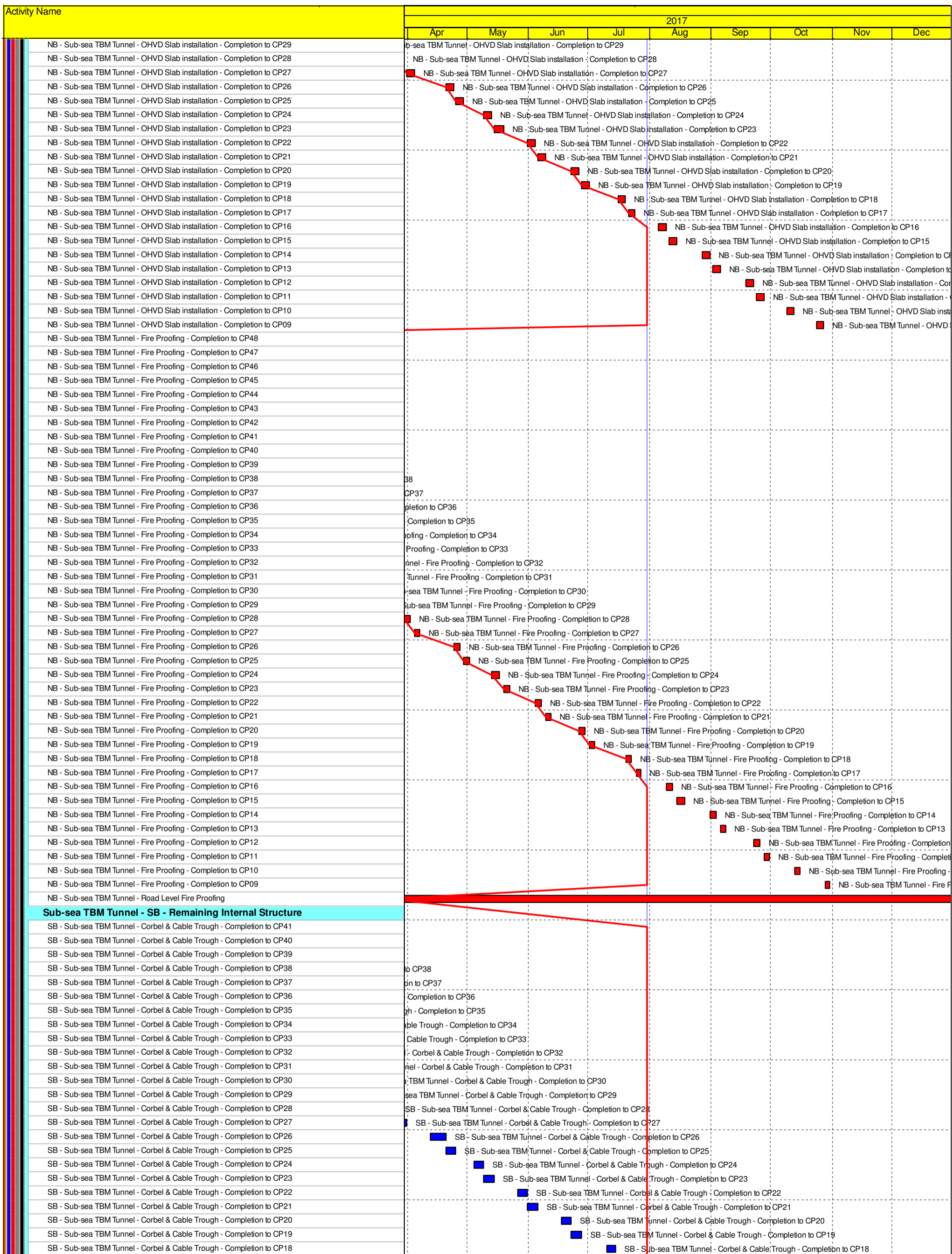
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TMCLK - Northern Connection Sub-Sea Tunnel Section
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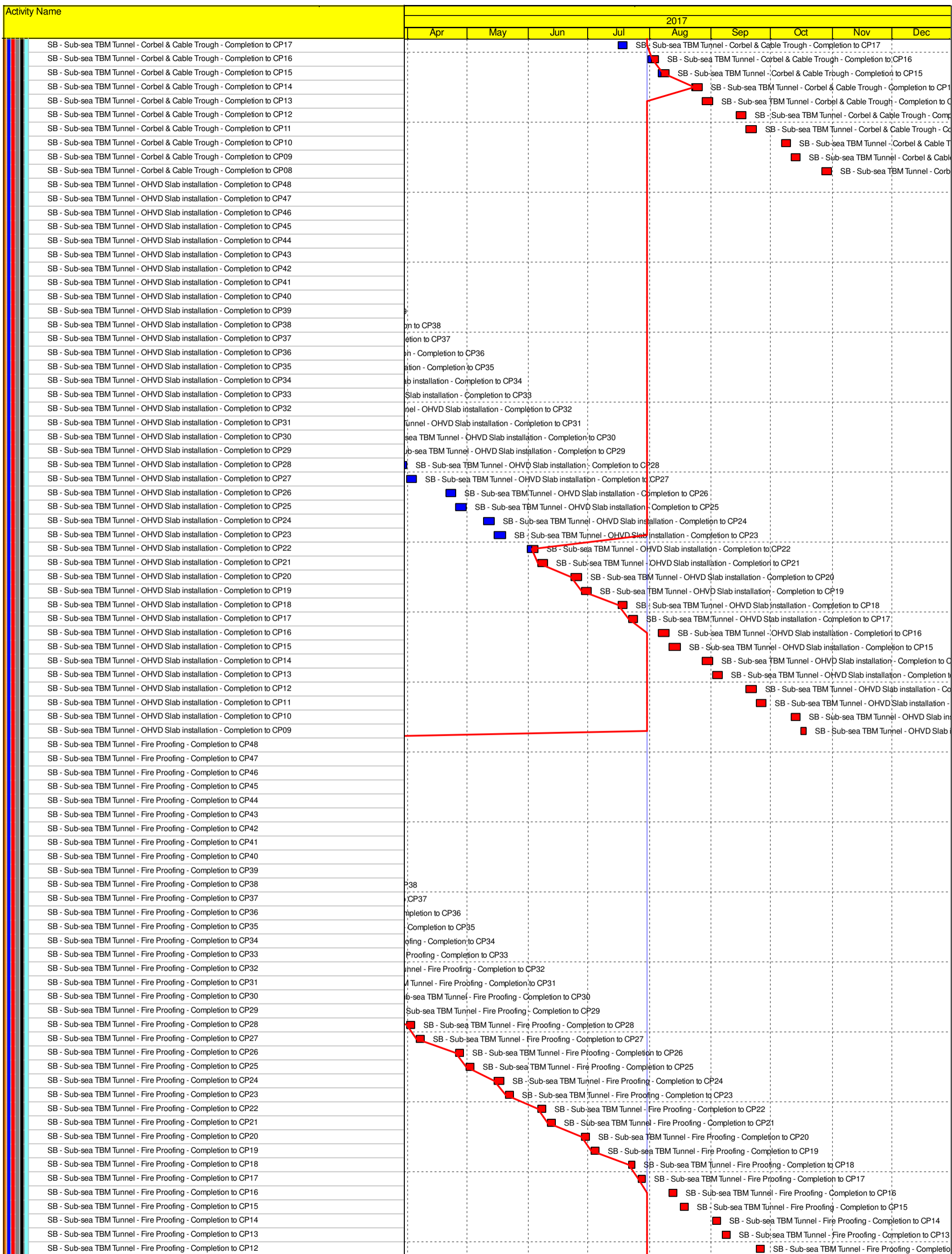
TMCLK - Northern Connection Sub-Sea Tunnel Section

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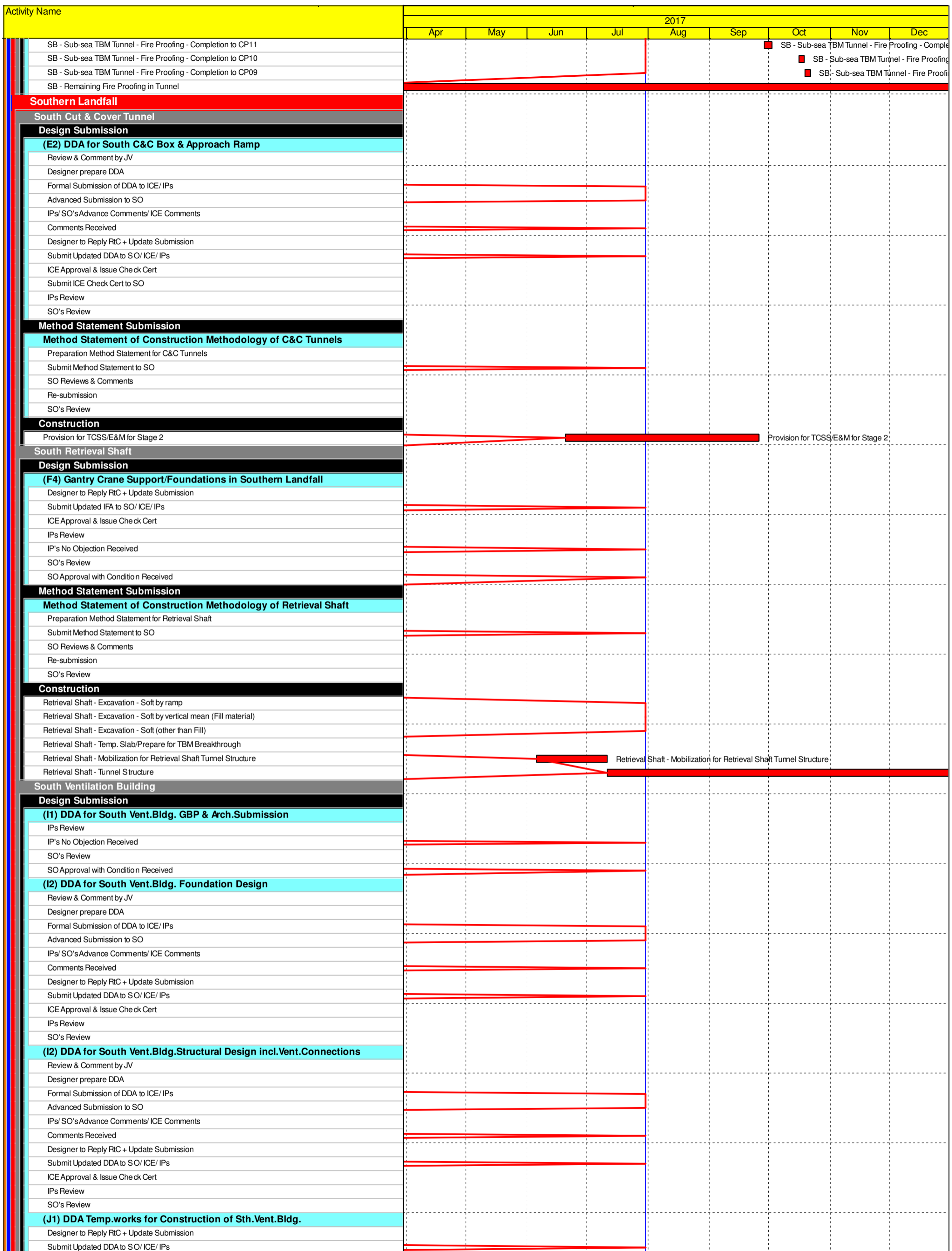
TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme (Rev. F)

Three Months Rolling Programme

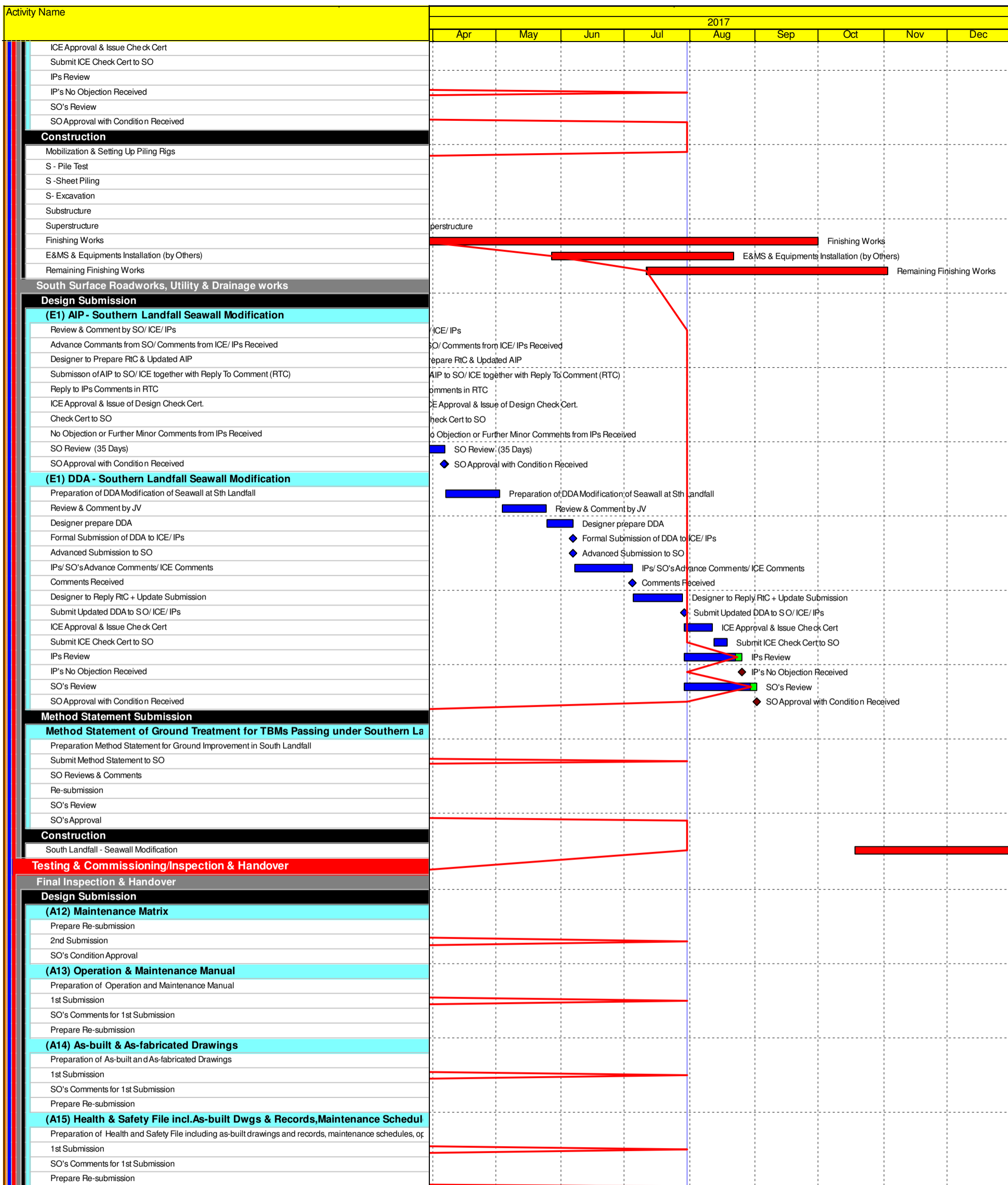
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