

TMCLKL Northern Connection Sub-sea Tunnel Section

North Approach Ramp

Portion N12 Section

NAR - N12 - Open Cut Section - Structure Start	0	04-Jun-18		125
NAR - N12 - Open cut Section - Ramp Structure	84	04-Jun-18	11-Sep-18	125
NAR - N12 - Open Cut Excavation - Bay 2	12	20-Jun-18	04-Jul-18	54
NAR - N12 - Bay 2 Structure	36	06-Jul-18	16-Aug-18	53
NAR - Sheet Pile at bay 6 & 7	18	20-Jun-18	11-Jul-18	0
NAR - Dewatering well Installation (Bay 3 to 6)	36	12-Jul-18	22-Aug-18	0
NAR - Pumping Test (Bay 3 to 6)	12	23-Aug-18	05-Sep-18	0
NAR - Excavation & Strut Installtion (Bay 3 to 6)	36	06-Sep-18	20-Oct-18	0
NAR - Bay 3 - Base Slab + Retaining Wall	48	20-Sep-18	17-Nov-18	24
NAR - Bay 4 - Base Slab + Retaining Wall	72	06-Oct-18	02-Jan-19	0
NAR - Bay 5 - Base Slab + Retaining Wall	72	22-Oct-18	16-Jan-19	0

Access Ramp Section

NLS Temp Access Ramp - Closure	0		04-Jun-18	0
NLS Temp Access Ramp - Concrete Block & Backfill	18	04-Jun-18	25-Jun-18	0
Pre-drilling - 4 G.I.	12	26-Jun-18	10-Jul-18	0
Pre-bored H-piles - 12p	36	11-Jul-18	21-Aug-18	0
Pre-bored H-piles - Pile Load Test	36	22-Aug-18	04-Oct-18	0
Pipe Pile Wall - Access Ramp Section	36	11-Jul-18	21-Aug-18	0
Pipe Pile Wall - TAM Grouting	36	22-Aug-18	04-Oct-18	0
Pump wells	35	05-Oct-18	15-Nov-18	0
Pump Test	12	16-Nov-18	29-Nov-18	0
Pipe Pile Wall Section - Excavation Start	0	30-Nov-18		0
Excavation to S1 - 7,200 m3	12	30-Nov-18	13-Dec-18	0
Strut & Waling Installtion - S1 - 7 struts	14	07-Dec-18	22-Dec-18	0
Excavation to S2 - 9,650 m3	16	14-Dec-18	04-Jan-19	0
Strut & Waling Installtion - S2 - 7 struts	15	24-Dec-18	12-Jan-19	0
Excavation to FEL - 7,600 m3	14	05-Jan-19	21-Jan-19	0
NAR Pipe Pile Section - Base Slab	48	22-Jan-19	25-Mar-19	0

NLS Interface (OAP-NAR-DWG-10442-B)

NLS Cell 3 Dwall removal (down to +2.5mPD) - 90m3	15	14-Dec-18	03-Jan-19	0
Strut Installation and Excavation down to S2	12	04-Jan-19	17-Jan-19	0
NLS Cell 3 Dwall removal (down to -3.0mPD) - 188m3	18	18-Jan-19	14-Feb-19	0

North Ventilation Building

North Vent Bldg - Roof Steel Structure	48	04-Jun-18	31-Jul-18	817
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North Launching Shaft

NLS Cell 1 False Tunnel

Cell 1 - Alimak Removal	15	06-Jun-18	23-Jun-18	24
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NLS Cell 1-3 Structure for Cell 3 Dwall opening

Cell 3 - Removal of existing NLS Ramp	18	04-Jun-18	25-Jun-18	0
Cell 3 - Dwall extension	35	26-Jun-18	06-Aug-18	0
Cell 3 - Remaining Base Slab	18	07-Aug-18	27-Aug-18	0
Cell 3 - Middle Wall	24	28-Aug-18	24-Sep-18	0
Cell 3 - Top Slab	18	26-Sep-18	18-Oct-18	0
Cell 3 - Base Slab - Connecting to NAR	18	28-Aug-18	17-Sep-18	0
Cell 3 - Wall 17 & 18	24	18-Sep-18	18-Oct-18	0

Cell 2

Cell 2 - Removal of remaining NLS Ramp	12	04-Jun-18	16-Jun-18	0
Cell 2 - Expose Coupler for W6 & 7	12	19-Jun-18	03-Jul-18	0
Cell 2 - Wall 6 & 7	24	04-Jul-18	31-Jul-18	0
Cell 2 - ML03 - Prepare Scaffolding for Top Beams	18	01-Aug-18	21-Aug-18	0
Cell 2 - ML03 Top Beams	24	22-Aug-18	18-Sep-18	0
Cell 2 - ML02 - Prepare Scaffolding for Top beams	18	22-Aug-18	11-Sep-18	6
Cell 2 - ML02 - Top Beams	24	19-Sep-18	19-Oct-18	0
NIS Backfill to +3.0mPD for Cell 3 Dwall opening	24	19-Oct-18	15-Nov-18	0

NLS Cell 1-3 Remaining Structure

ML02 Cell 1 & 2 Preparation for BRL structure	24	20-Oct-18	16-Nov-18	0
ML02 Cell 1 & 2 BRL Structure	48	17-Nov-18	15-Jan-19	0
ML02 Cell 1 & 2 OHVD Slab	24	16-Jan-19	19-Feb-19	48
ML03 Cell 1 & 2 Preparation for BRL structure	24	16-Jan-19	19-Feb-19	0

North - Phase 2 Reclamation

[KD-5] Section 1A2 Completion - Portion N1 to N4 completion	0		04-Jun-18*	-155
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NLF Demobilization & At-grade works

[KD-7a] Stage 4 Completion - FSDB/CEDB Provide Access	0		15-Sep-18*	0
[KD-7] Section 1C Completion - Portion N7 Handover	0		29-Nov-18*	0
[KD-4] Section 1A1 Completion - N12 Reclamation & Seawall	0		11-Jan-19*	0
Portion N1 Handover	0		15-Sep-18*	0

Portion N12 & Portion N6B



