



Activity Name	Dur	Start	Finish	2023																												2024																									
				August							September							October							November							December							January																		
				30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21	28																											
FB-02 Decking / Staircase Steel Work / Glass works / Balustrade	42	21-Jun-23	10-Aug-23	FB-02 Decking / Staircase Steel Work / Glass works / Balustrade																																																					
FB-02 Glasswork	48	07-Jul-23	31-Aug-23	FB-02 Glasswork																																																					
FB-02 Waterproofing	54	28-Jul-23	28-Sep-23	FB-02 Waterproofing																																																					
FB-02 Cladding	48	01-Sep-23	30-Oct-23	FB-02 Cladding																																																					
FB-02 Drainage & Plumbing	24	17-Nov-23	14-Dec-23*	FB-02 Drainage & Plumbing																																																					
FB-02 Lighting	24	17-Nov-23	14-Dec-23	FB-02 Lighting																																																					
FB-02 Power Energization / Signalling	24	15-Dec-23	15-Jan-24	FB-02 Power Energization / Signalling																																																					
<b>[STE] Road L10 (Northern)</b>	431	08-Jul-23	14-Dec-24																																																						
<b>L10(N) Utilities</b>	431	08-Jul-23	14-Dec-24																																																						
L10(N) Stage 3 Watermain (64m, 30m/wk)	26	08-Jul-23	07-Aug-23	L10(N) Stage 3 Watermain (64m, 30m/wk)																																																					
L10(N) Stage 3 Roadworks	24	08-Aug-23	04-Sep-23	L10(N) Stage 3 Roadworks																																																					
Footpath / U channel / planter	36	05-Sep-23	18-Oct-23	Footpath / U channel / planter																																																					
L10(N) Underground Utilities (by others)	24	05-Sep-23	04-Oct-23	L10(N) Underground Utilities (by others)																																																					
Landscape softwork	48	19-Oct-23	14-Dec-23	Landscape softwork																																																					
Section 8B Completion	0		14-Dec-23	◆ Section 8B Completion																																																					
Section 9D Completion	0		14-Dec-23	◆ Section 9D Completion																																																					
Road L10N - Establishment works	366	15-Dec-23	14-Dec-24	Road L10N - Establishment works																																																					
<b>DEPRESSED ROAD [DPR]</b>	79	20-Jul-23	21-Oct-23																																																						
<b>Portal Structure</b>	79	20-Jul-23	21-Oct-23																																																						
<b>Portal Structure</b>	79	20-Jul-23	21-Oct-23																																																						
Portal secondary structure - Slab	37	20-Jul-23*	31-Aug-23	Portal secondary structure - Slab																																																					
Waterproofing & drainage	6	01-Sep-23	07-Sep-23	Waterproofing & drainage																																																					
Landscape Soil Filling	24	08-Sep-23	07-Oct-23	Landscape Soil Filling																																																					
Planter works	12	09-Oct-23	21-Oct-23	Planter works																																																					
<b>WEST VENTILATION BUILDING [WVB]</b>	237	22-May-23 A	08-Feb-24																																																						
<b>Building Structure</b>	145	19-Jun-23 A	10-Nov-23																																																						
<b>Superstructure</b>	145	19-Jun-23 A	10-Nov-23																																																						
WVB - GF Wall + Column	42	19-Jun-23 A	08-Aug-23	WVB - GF Wall + Column																																																					
WVB - 1F Beam + Slab	30	09-Aug-23	12-Sep-23	WVB - 1F Beam + Slab																																																					
WVB - 1F Wall + Column	30	13-Sep-23	19-Oct-23	WVB - 1F Wall + Column																																																					
WVB - RF Beam + Slab	18	20-Oct-23	10-Nov-23	WVB - RF Beam + Slab																																																					
<b>ABWF / E&amp;M</b>	237	22-May-23 A	08-Feb-24																																																						
<b>ABWF</b>	237	22-May-23 A	08-Feb-24																																																						
WVB - ABWF works B2	40	22-May-23 A	31-Aug-23	WVB - ABWF works B2																																																					

- ◆ Milestone
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				30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21	28												
WVB - ABWF works B1	60	04-Aug-23	14-Oct-23	WVB - ABWF works B1																																						
WVB - ABWF works GF	60	16-Oct-23	27-Dec-23															WVB - ABWF works GF																								
WVB - TCSS Room Access	0		27-Dec-23															◆ WVB - TCSS Room Access																								
WVB - ABWF works FF	36	28-Dec-23	08-Feb-24															WVB - ABWF works FF																								
<b>E&amp;M</b>	138	21-Jul-23	04-Jan-24																																							
WVB - E&M Installation B2	66	21-Jul-23	07-Oct-23	WVB - E&M Installation B2																																						
WVB - E&M Installation B1	66	16-Oct-23	04-Jan-24															WVB - E&M Installation B1																								
<b>SOUTH APRON ADIT</b>	105	24-Jul-23 A	01-Sep-23																																							
<b>RC Structure</b>	105	24-Jul-23 A	01-Sep-23																																							
Adit 1,2,SA,3 - wall part 2	7	24-Jul-23 A	09-Aug-23	Adit 1,2,SA,3 - wall part 2																																						
Remove S1	2	10-Aug-23	11-Aug-23	Remove S1																																						
Adit 1,2,SG,3 - Top Slab	8	12-Aug-23	21-Aug-23	Adit 1,2,SG,3 - Top Slab																																						
Waterproofing & Mass Fill	6	22-Aug-23	28-Aug-23	Waterproofing & Mass Fill																																						
Backfill and reinstatement	4	29-Aug-23	01-Sep-23	Backfill and reinstatement																																						
Stage 5 completion for Portion I H/O	0		01-Sep-23															◆ Stage 5 completion for Portion I H/O																								
<b>DCS @ Portion I</b>	0	01-Sep-23	01-Sep-23																																							
Portion I Forecast Handover	0		01-Sep-23															◆ Portion I Forecast Handover																								
<b>SUPPORTING UNDERGROUND STRUCTURE [SUS]</b>	147	07-Jul-23 A	30-Nov-23																																							
<b>Tunnel Internal Structure &amp; Finishing</b>	147	07-Jul-23 A	30-Nov-23																																							
<b>Westbound</b>	62	15-Sep-23	29-Nov-23																																							
SUS - WB Partition Wall CH6153-6177	18	15-Sep-23	07-Oct-23	SUS - WB Partition Wall CH6153-6177																																						
SUS - WB - Fire Board - Tunnel crown	36	18-Sep-23*	01-Nov-23	SUS - WB - Fire Board - Tunnel crown																																						
SUS - WB - Fire Board - Road Level	36	18-Oct-23	29-Nov-23	SUS - WB - Fire Board - Road Level																																						
<b>Eastbound</b>	147	07-Jul-23 A	30-Nov-23																																							
SUS - EB - OHVD In-situ Phase 2	55	07-Jul-23 A	14-Sep-23	SUS - EB - OHVD In-situ Phase 2																																						
SUS - EB - Fire Board - Tunnel crown	39	12-Sep-23	30-Oct-23	SUS - EB - Fire Board - Tunnel crown																																						
SUS - OHVD Formwork Relocation (EB to Branch)	12	15-Sep-23	28-Sep-23	SUS - OHVD Formwork Relocation (EB to Branch)																																						
SUS - EB Partition Wall CH6225-6237	45	09-Oct-23	30-Nov-23	SUS - EB Partition Wall CH6225-6237																																						
SUS - EB - Fire Board - Road Level	39	16-Oct-23	30-Nov-23	SUS - EB - Fire Board - Road Level																																						
<b>C&amp;C TUNNEL / LAUNCHING SHAFT [C&amp;C / LS]</b>	166	24-Jul-23	08-Feb-24																																							
<b>Cell 1/2 Permanent Works</b>	166	24-Jul-23	08-Feb-24																																							
<b>Below Road Level</b>	22	24-Jul-23	17-Aug-23																																							
<b>BRL External (EB Pour 2 + WB Pour 3)</b>	22	24-Jul-23	17-Aug-23																																							
BRL Steel Fixing & Formworks	18	24-Jul-23*	12-Aug-23	BRL Steel Fixing & Formworks																																						

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				30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21	28					
<b>SUB-SEA TUNNEL INTERNAL &amp; FINISHING</b>	277	16-Mar-23	21-Feb-24																																
<b>Gallery B Installation</b>	88	28-Sep-23	15-Jan-24																																
<b>Westbound</b>	88	28-Sep-23	15-Jan-24																																
WB TBM Tunnel - Gallery B CH8499-8588 100m CP26	11	28-Sep-23	12-Oct-23																																
WB TBM Tunnel - Gallery B CH8588-8688 100m CP27	11	13-Oct-23	26-Oct-23																																
WB TBM Tunnel - Cast In-situ Low Point Sump Pit construction	30	27-Oct-23	30-Nov-23																																
WB TBM Tunnel - FS Room Construction	36	01-Dec-23	15-Jan-24																																
<b>Below Road Level Structures</b>	151	16-May-23	14-Nov-23																																
<b>Westbound</b>	130	10-Jun-23	14-Nov-23																																
WB TBM Tunnel - Invert Slab construction up to CP21	16	10-Jun-23	29-Jun-23																																
WB TBM Tunnel - Invert Slab construction up to CP24	16	21-Jul-23	08-Aug-23																																
WB TBM Tunnel - Tunnel Drainage Pipe Installation up to CP27	41	02-Sep-23	21-Oct-23																																
WB TBM Tunnel - Invert Slab construction up to CP27	16	27-Oct-23	14-Nov-23																																
<b>Eastbound</b>	91	16-May-23	01-Sep-23																																
EB TBM Tunnel - Invert Slab construction up to CP24	16	16-May-23	03-Jun-23																																
EB TBM Tunnel - Invert Slab construction up to CP27	16	27-Jun-23	15-Jul-23																																
EB TBM Tunnel - Tunnel Drainage Pipe Installation up to CP27	41	17-Jul-23	01-Sep-23																																
<b>Corbel</b>	122	23-May-23	17-Oct-23																																
<b>Westbound</b>	122	23-May-23	17-Oct-23																																
WB - TBM Tunnel - Corbel Structure up to CP16	8	23-May-23	01-Jun-23																																
WB - TBM Tunnel - Corbel Structure up to CP17	8	13-Jun-23	21-Jun-23																																
WB - TBM Tunnel - Corbel Structure up to CP18	8	28-Jun-23	07-Jul-23																																
WB - TBM Tunnel - Corbel Structure up to CP19	8	12-Jul-23	20-Jul-23																																
WB - TBM Tunnel - Corbel Structure up to CP20	8	14-Aug-23	22-Aug-23																																
WB - TBM Tunnel - Corbel Structure up to CP21	8	28-Aug-23	05-Sep-23																																
WB - TBM Tunnel - Corbel Structure up to CP22	8	11-Sep-23	19-Sep-23																																
WB - TBM Tunnel - Corbel Structure up to CP23	8	25-Sep-23	05-Oct-23																																
WB - TBM Tunnel - Corbel Structure up to CP24	8	09-Oct-23	17-Oct-23																																
<b>Eastbound</b>	122	23-May-23	17-Oct-23																																
EB - TBM Tunnel - Corbel Structure up to CP16	8	23-May-23	01-Jun-23																																
EB - TBM Tunnel - Corbel Structure up to CP17	8	13-Jun-23	21-Jun-23																																
EB - TBM Tunnel - Corbel Structure up to CP18	8	28-Jul-23*	05-Aug-23																																
EB - TBM Tunnel - Corbel Structure up to CP19	8	07-Aug-23	15-Aug-23																																
EB - TBM Tunnel - Corbel Structure up to CP20	8	16-Aug-23	24-Aug-23																																

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EB D&Br - SG Preparation (9+030 - 8+988, 42m, 3.5 bays)	21	12-Jul-23	04-Aug-23	EB D&Br - SG Preparation (9+030 - 8+988, 42m, 3.5 bays)																																		
EB D&Br - SG Installation (9+030 - 8+988, 20nos)	5	05-Aug-23	10-Aug-23	EB D&Br - SG Installation (9+030 - 8+988, 20nos)																																		
EB D&Br - Base Slab (8 bays, 3d/bay)	24	11-Aug-23	07-Sep-23	EB D&Br - Base Slab (8 bays, 3d/bay)																																		
<b>Tunnel Structure S01 Branch Tunnel</b>	160	12-Jul-23	20-Jan-24																																			
EB Type E - Lining (7 bays, 5d/bay)	35	12-Jul-23*	21-Aug-23	EB Type E - Lining (7 bays, 5d/bay)																																		
EB Type E - Remaining Lining (2 bays, 5d/bay)	10	22-Aug-23	01-Sep-23	EB Type E - Remaining Lining (2 bays, 5d/bay)																																		
EB Type E - Lining Formwork Dismantling	18	02-Sep-23	22-Sep-23	EB Type E - Lining Formwork Dismantling																																		
EB Type E - OHVD Formwork Assembly	24	18-Oct-23	15-Nov-23	EB Type E - OHVD Formwork Assembly																																		
EB Type E - OHVD (9 bays, 4d.bay)	36	16-Nov-23	29-Dec-23	EB Type E - OHVD (9 bays, 4d.bay)																																		
EB Type E - OHVD Formwork Dismantling	18	30-Dec-23	20-Jan-24	EB Type E - OHVD Formwork Dismantling																																		
<b>CKL TUNNEL INTERNAL STRUCTURE</b>	10	30-Dec-23	11-Jan-24																																			
<b>Fire Board</b>	10	30-Dec-23	11-Jan-24																																			
EB Type E - OHVD Fire Board Installation	10	30-Dec-23	11-Jan-24	EB Type E - OHVD Fire Board Installation																																		
<b>CKL TUNNEL - PILOT TBM</b>	181	30-May-23 A	04-Jan-24																																			
<b>Pilot TBM Tunnel - EB</b>	117	30-May-23	17-Oct-23																																			
EB TBM - 1st drive to CH8+738 D/S shift (11.4m/d)	11	30-May-23	10-Jun-23	EB TBM - 1st drive to CH8+738 D/S shift (11.4m/d)																																		
EB TBM dismantling & removal	24	12-Jun-23	11-Jul-23	EB TBM dismantling & removal																																		
EB - Pilot TBM Bulkhead	24	28-Aug-23*	23-Sep-23	EB - Pilot TBM Bulkhead																																		
EB - Cavern Excavaton & Rails Footing installation	18	25-Sep-23	17-Oct-23	EB - Cavern Excavaton & Rails Footing installation																																		
<b>Civil Works</b>	44	12-Jul-23	31-Aug-23																																			
EB Dismantling Cavern - D&Br (180m3, 10m3/d)	12	12-Jul-23	25-Jul-23	EB Dismantling Cavern - D&Br (180m3, 10m3/d)																																		
EB Pilot TBM Bulkhead Construction	12	26-Jul-23	08-Aug-23	EB Pilot TBM Bulkhead Construction																																		
EB Dismantling Cavern - Concreting for Overbreak & Backfilling	6	09-Aug-23	15-Aug-23	EB Dismantling Cavern - Concreting for Overbreak & Backfilling																																		
EB Dismantling Cavern - Gantry Rail Footing & Anchors Installation	14	16-Aug-23	31-Aug-23	EB Dismantling Cavern - Gantry Rail Footing & Anchors Installation																																		
<b>Pilot TBM Tunnel - WB</b>	146	24-Jul-23 A	04-Jan-24																																			
WB TBM assembly	12	24-Jul-23 A	14-Aug-23	WB TBM assembly																																		
WB TBM - Allowance for Probing (10 rounds)	10	15-Aug-23	25-Aug-23	WB TBM - Allowance for Probing (10 rounds)																																		
WB TBM - 2nd drive to CH9+051 first 15m - Learning curve (2.4m/d)	6	11-Nov-23	17-Nov-23	WB TBM - 2nd drive to CH9+051 first 15m - Learning curve (2.4m/d)																																		
WB TBM - 2nd drive to CH8+900 151m D shift (5.5m/d)	27	18-Nov-23	19-Dec-23	WB TBM - 2nd drive to CH8+900 151m D shift (5.5m/d)																																		
WB TBM - 2nd drive to CH8+778 122m D/S shift (11.4m/d)	11	20-Dec-23	04-Jan-24	WB TBM - 2nd drive to CH8+778 122m D/S shift (11.4m/d)																																		
<b>EAST VENTILATION BUILDING [EVV]</b>	258	01-Mar-23	11-Jan-24																																			
<b>Overall</b>	258	01-Mar-23	11-Jan-24																																			
Portal Wall	186	01-Mar-23	14-Oct-23	Portal Wall																																		
Mezzanine Slab	72	16-Oct-23	11-Jan-24	Mezzanine Slab																																		

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