

Appendix B

## Construction Programme

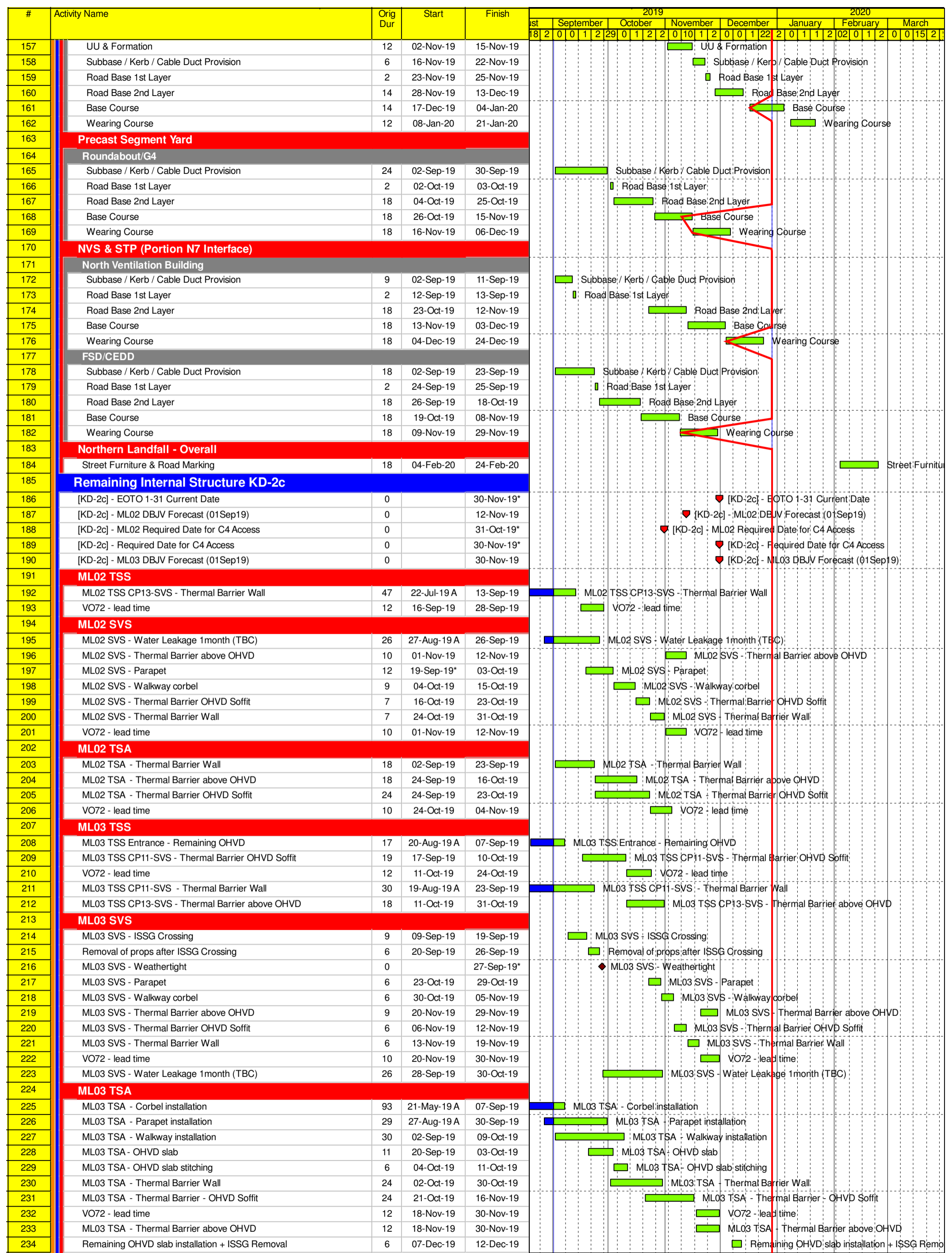
#	Activity Name	Orig Dur	Start	Finish	2019												2020			
					Aug	September	October	November	December	January	February	March								
1	<b>TMCLKL Northern Connection Sub-sea Tunnel Section</b>					<b>Progress as of: 29 Dec 19</b>														
2	<b>Contract Key Dates</b>																			
3	[KD-2c] Stage 2c Completion - Remaining TSS & TSA	0		30-Nov-19*	♥ [KD-2c] Stage 2c Completion - Remaining TSS & TSA															
4	[KD-2d] Stage 2d Completion - MHS C&C Tunnel	0		13-Jan-20*	♥ [KD-2d] Stage 2d Completion - MHS C&C Tunnel															
5	[KD-3a] Stage 3a Completion - NLF UU/At-grade Provision	0		24-Feb-20*	♥ [KD-3a] Stage 3a Completion - NLF UU/At-grade Provision															
6	[KD-3b] Stage 3b Completion - NLF Provision for CLP, LV & ELV	0		29-Oct-19*	♥ [KD-3b] Stage 3b Completion - NLF Provision for CLP, LV & ELV															
7	[KD-3d] Stage 3d Completion - SLF Provision for CLP, LV & ELV	0		08-Feb-20*	♥ [KD-3d] Stage 3d Completion - SLF Provision for CLP, LV & ELV															
8	[KD-3f] Stage 3f Achievement - NLS/NAR - provide access	0		19-Nov-19*	♥ [KD-3f] Stage 3f Achievement - NLS/NAR - provide access															
9	[KD-3g] Stage 3g Completion - SVS Tunnel	0		02-Nov-19*	♥ [KD-3g] Stage 3g Completion - SVS Tunnel															
10	[KD-3h] Stage 3h Completion - SVS Ventilation Duct	0		02-Feb-20*	♥ [KD-3h] Stage 3h Completion - SVS Ventilation Duct															
11	[KD-3i] Stage 3i Completion - South Approach Ramp	0		29-Nov-19*	♥ [KD-3i] Stage 3i Completion - South Approach Ramp															
12	[KD-8] Section 1 Completion - NLF Reclamation & Seawall	0		16-Jan-20*	♥ [KD-8] Section 1 Completion - NLF Reclamation & Seawall															
13	[KD-10] Section 3A Completion - SVB	0		30-Sep-19*	♥ [KD-10] Section 3A Completion - SVB															
14	<b>Portion Handover Dates</b>																			
15	N10 (excl Tunnel) - Handover	0		11-Dec-19*	♦ N10 (excl Tunnel) - Handover															
16	N11A - Handover	0		30-Nov-19*	♦ N11A - Handover															
17	N11B - Handover	0		30-Nov-19*	♦ N11B - Handover															
18	N13Ji, Jii, Ki & Kii - Handover for E&M Contract scope	0		30-Nov-19*	♦ N13Ji, Jii, Ki & Kii - Handover for E&M Contract scope															
19	<b>North Approach Ramp KD-3f</b>																			
20	KD-3f - DBJV Forecast (01Sep19)	0		19-Nov-19	♥ KD-3f - DBJV Forecast (01Sep19)															
21	[KD-3f] - EOTO 1-30 Current Date	0		19-Nov-19*	♥ [KD-3f] - EOTO 1-30 Current Date															
22	KD-3f - Required Date for C4 Access	0		02-Dec-19*	♥ KD-3f - Required Date for C4 Access															
23	<b>North Approach Ramp</b>																			
24	Parapet grouting works	12	27-Aug-19 A	09-Sep-19	■ Parapet grouting works															
25	Parapet installation @ Bay 9 (part 1 precast)	4	10-Sep-19	13-Sep-19	■ Parapet installation @ Bay 9 (part 1 precast)															
26	Utility Ladder modification	12	16-Sep-19	28-Sep-19	■ Utility Ladder modification															
27	Breaking of Beams	6	30-Sep-19	08-Oct-19	■ Breaking of Beams															
28	In-situ Parapet @ Bay 9 (Utility ladder location)	3	09-Oct-19	11-Oct-19	■ In-situ Parapet @ Bay 9 (Utility ladder location)															
29	Road diversion to ML03 side	0		02-Oct-19*	♦ Road diversion to ML03 side															
30	ML02 side Sub-base backfilling	6	03-Oct-19	10-Oct-19	■ ML02 side Sub-base backfilling															
31	Parapet installation (Central location)	28	11-Oct-19	12-Nov-19	■ Parapet installation (Central location)															
32	Backfilling & slab topping	6	13-Nov-19	19-Nov-19	■ Backfilling & slab topping															
33	<b>North Launching Shaft KD-3f</b>																			
34	[KD-3f] - DBJV Forecast (01Sep19)	0		19-Nov-19	♥ [KD-3f] - DBJV Forecast (01Sep19)															
35	[KD-3f] - EOTO 1-30 Current Date	0		19-Nov-19*	♥ [KD-3f] - EOTO 1-30 Current Date															
36	[KD-3f] - Required Date for C4 Access	0		02-Dec-19*	♥ [KD-3f] - Required Date for C4 Access															
37	<b>North Launching Shaft</b>																			
38	Thermal Barrier (Wall + OHVD Soffit + above OHVD)	70	22-Jul-19 A	14-Oct-19	■ Thermal Barrier (Wall + OHVD Soffit + above OHVD)															
39	VO72 - lead time	31	15-Oct-19	19-Nov-19	■ VO72 - lead time															
40	<b>Remaining North Reclamation KD-8</b>																			
41	[KD-8] - EOTO 1-30 Current Date	0		16-Jan-20*	♥ [KD-8] - EOTO 1-30 Current Date															
42	[KD-8] - DBJV Forecast (01 Sep 19)	0		16-Jan-20	♥ [KD-8] - DBJV Forecast (01 Sep 19)															
43	<b>Vertical Seawall</b>																			
44	Access received from C4	0		28-Oct-19*	♦ Access received from C4															
45	Remaining Rubber Fender (VO79)	38	29-Oct-19	11-Dec-19	■ Remaining Rubber Fender (VO79)															
46	Remaining Marine Facilities	12	12-Dec-19	27-Dec-19	■ Remaining Marine Facilities															
47	Zone A Bay 65 to Bay 67	7	23-Oct-19	30-Oct-19	■ Zone A Bay 65 to Bay 67															
48	Zone A Bay 68 to Bay 70	7	31-Oct-19	07-Nov-19	■ Zone A Bay 68 to Bay 70															
49	Zone A Bay 71 to Bay 72	6	08-Nov-19	14-Nov-19	■ Zone A Bay 71 to Bay 72															
50	<b>Sloping Seawall</b>																			
51	Sloping Seawall coping	75	02-Sep-19	30-Nov-19	■ Sloping Seawall coping															
52	Remaining Vertical Seawall coping (West side)	34	23-Oct-19	30-Nov-19	■ Remaining Vertical Seawall coping (West side)															
53	<b>Removal, Backfilling &amp; Compaction</b>																			
54	NAR & NLS Backfilling and Formation	51	01-Aug-19 A	30-Sep-19	■ NAR & NLS Backfilling and Formation															
55	Zone A Fire Proofing factory dismantling	21	15-Oct-19*	07-Nov-19	■ Zone A Fire Proofing factory dismantling															
56	Zone A Fire Proofing factory compaction	30	08-Nov-19	12-Dec-19	■ Zone A Fire Proofing factory compaction															
57	Surcharge removal at Zone B (STP Area)	30	11-Nov-19*	14-Dec-19	■ Surcharge removal at Zone B (STP Area)															
58	Zone B (STP Area) compaction (if needed)	12	16-Dec-19	31-Dec-19	■ Zone B (STP Area) compaction (if needed)															
59	Zone C Gantry 2 & 3 removed	0		15-Nov-19*	♦ Zone C Gantry 2 & 3 removed															
60	Zone C Gantry 2 & 3 slab breaking & removal	12	16-Nov-19	29-Nov-19	■ Zone C Gantry 2 & 3 slab breaking & removal															
61	Zone C Gantry 2 & 3 Compaction	18	30-Nov-19	20-Dec-19	■ Zone C Gantry 2 & 3 Compaction															
62	<b>Overall</b>																			
63	Sloping Seawall Echo Sounding survey	0		31-Oct-19*	♦ Sloping Seawall Echo Sounding survey															
64	Sloping Seawall Remedial works (if needed)	12	31-Oct-19	13-Nov-19	■ Sloping Seawall Remedial works (if needed)															
65	Sloping Seawall Final Echo Sounding survey	0		13-Nov-19	♦ Sloping Seawall Final Echo Sounding survey															
66	Vertical seawall defect rectification	88	02-Oct-19	16-Jan-20	■ Vertical seawall defect rectification															
67	<b>NLF Demobilization &amp; At-grade works</b>																			
68	KD-3b - EOTO 1-30 Current Date	0		29-Oct-19*	♥ KD-3b - EOTO 1-30 Current Date															
69	KD-3b - DBJV Forecast (01 Sep 19)	0		29-Oct-19*	♥ KD-3b - DBJV Forecast (01 Sep 19)															
70	KD-3b - Required Date for C4 Access	0		31-Oct-19*	♥ KD-3b - Required Date for C4 Access															
71	KD-3a - EOTO 1-30 Current Date	0		24-Feb-20*	♥ KD-3a - EOTO 1-30 Current Date															
72	KD-3a - DBJV Forecast (01 Sep 19)	0		24-Feb-20	♥ KD-3a - DBJV Forecast (01 Sep 19)															
73	<b>Requirement</b>																			
74	Overall EVA Provision - DBJV Estimation	0		25-Nov-19*	♦ Overall EVA Provision - DBJV Estimation															
75	<b>Portion N12 &amp; Portion N6B</b>																			
76	CLP Substation - Prepare for CLP Consent for de-energization	96	02-Sep-19	27-Dec-19	■ CLP Substation - Prepare for CLP Consent for de-energization															
77	CLP Substation - De-energization	24	28-Dec-19	29-Jan-20	■ CLP Substation - De-energization															

■ Planned Bar  
♦ Planned Milestone  
♥ Key Date  
♦ Progress Milestone  
■ Progress Bar



Date	Revision	Checked	Approved
22-Dec-17	Rev. H	WYu	
05-Feb-18	Rev. I AC	WYu	
07-Mar-18	Rev. I	WYu	
04-Jun-18	Rev. J	WYu	
11-Nov-19	Rev. K	SPa	WYu





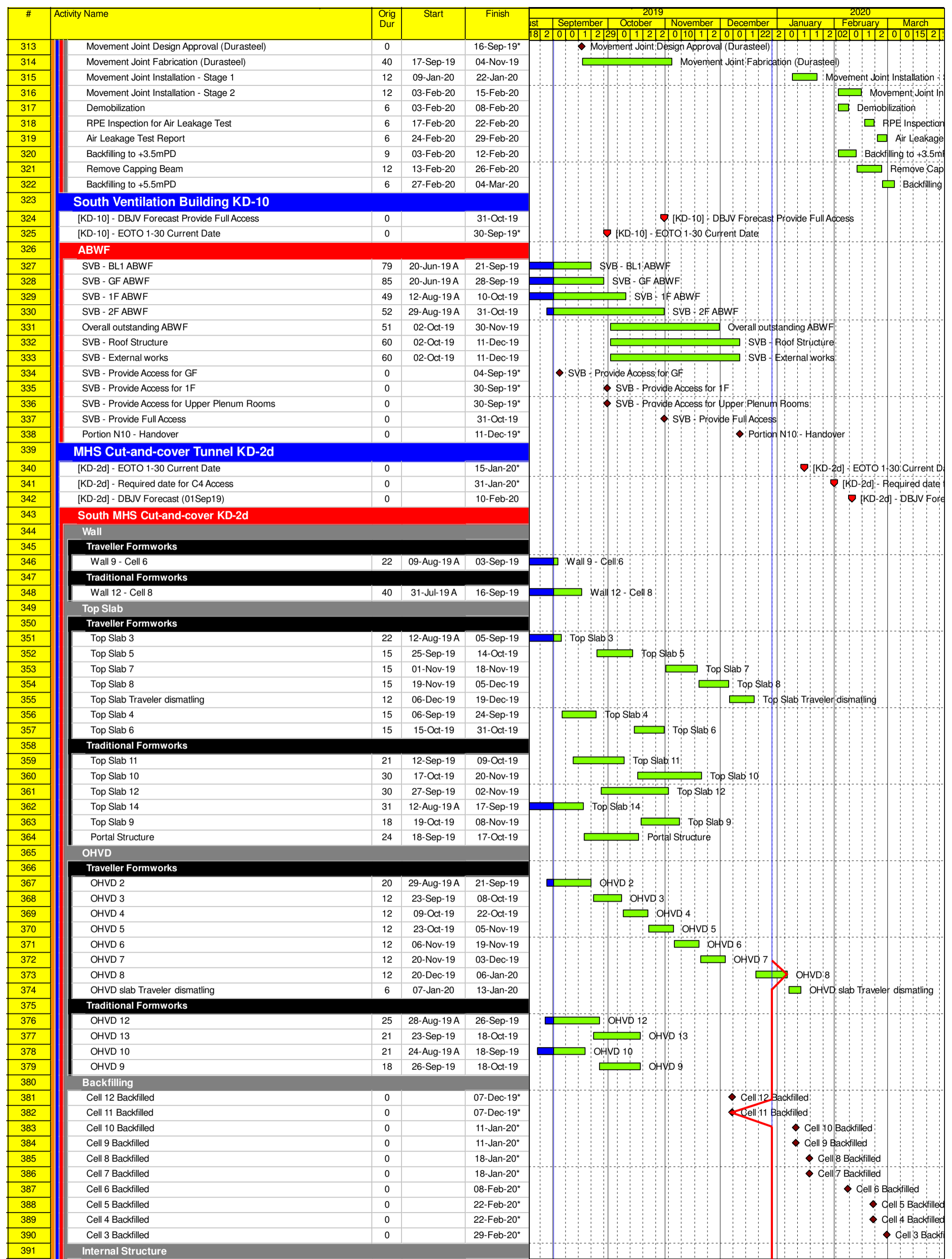
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TMCLKL Northern Connection Sub-sea Tunnel Section  
 Detailed Works Programme Rev. K  
 Forecast as of 01 September 2019



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07-Mar-18	Rev. J	WYu	
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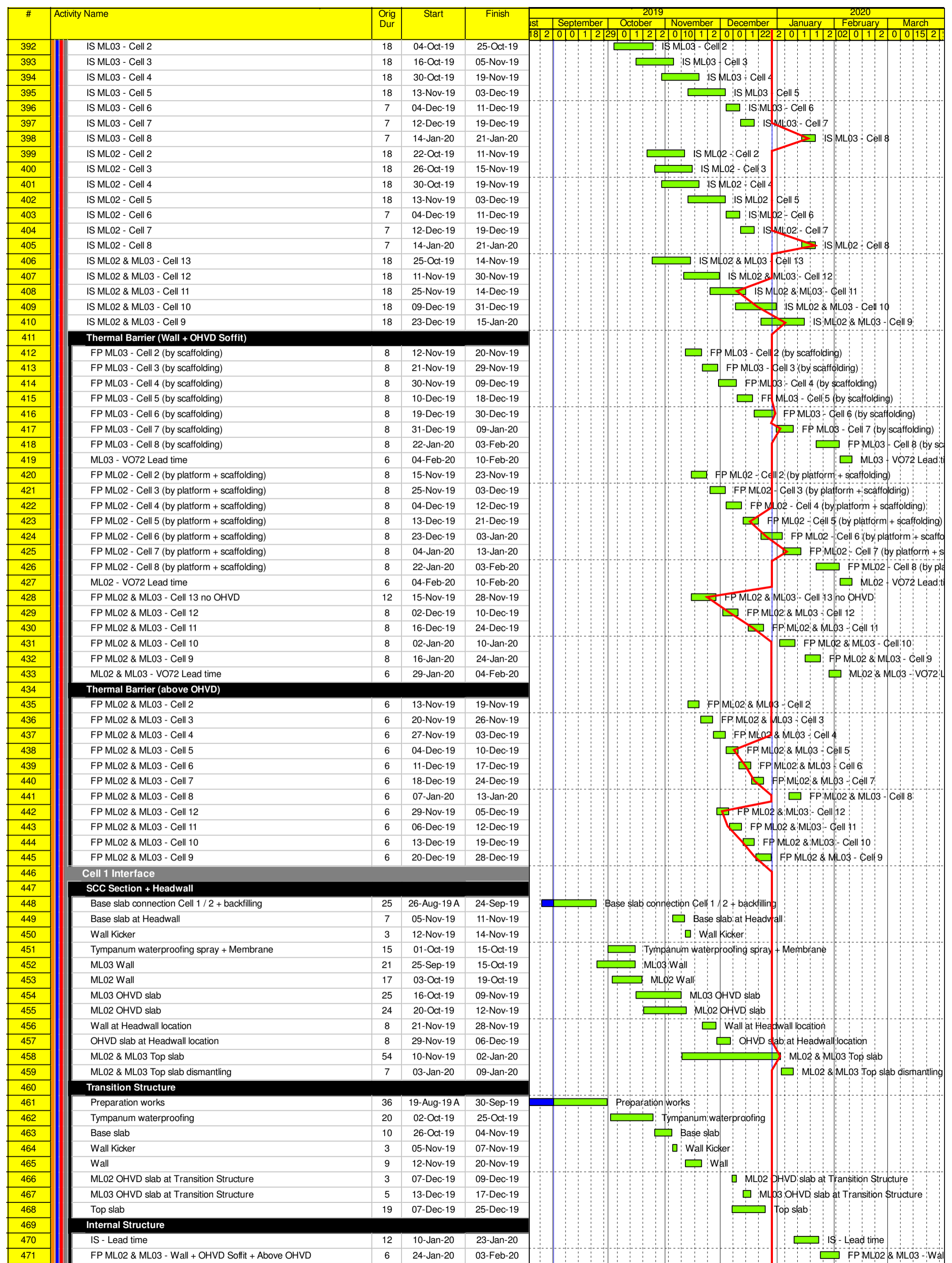




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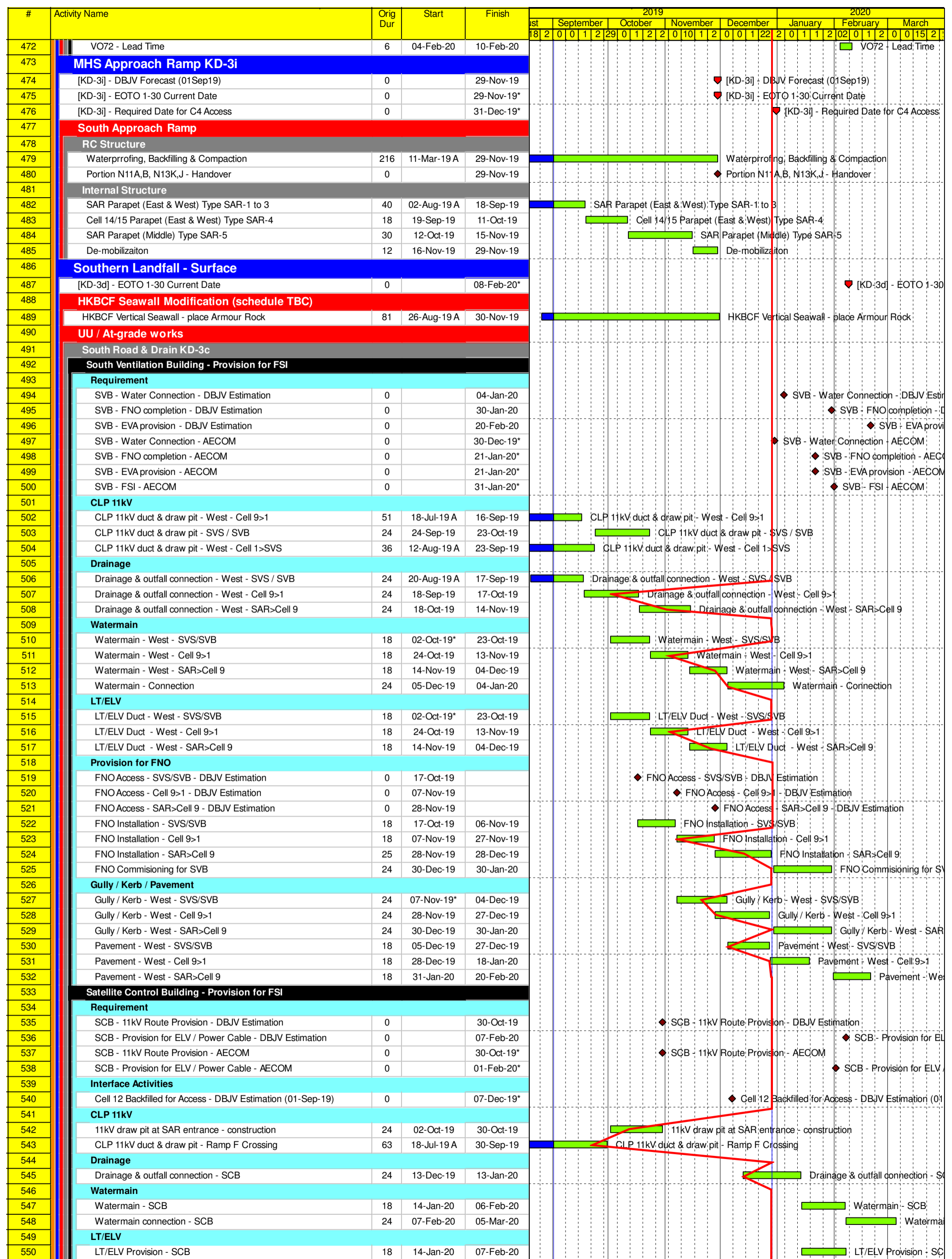
Dragages - Bouygues Joint Venture 寶嘉·布依格聯營

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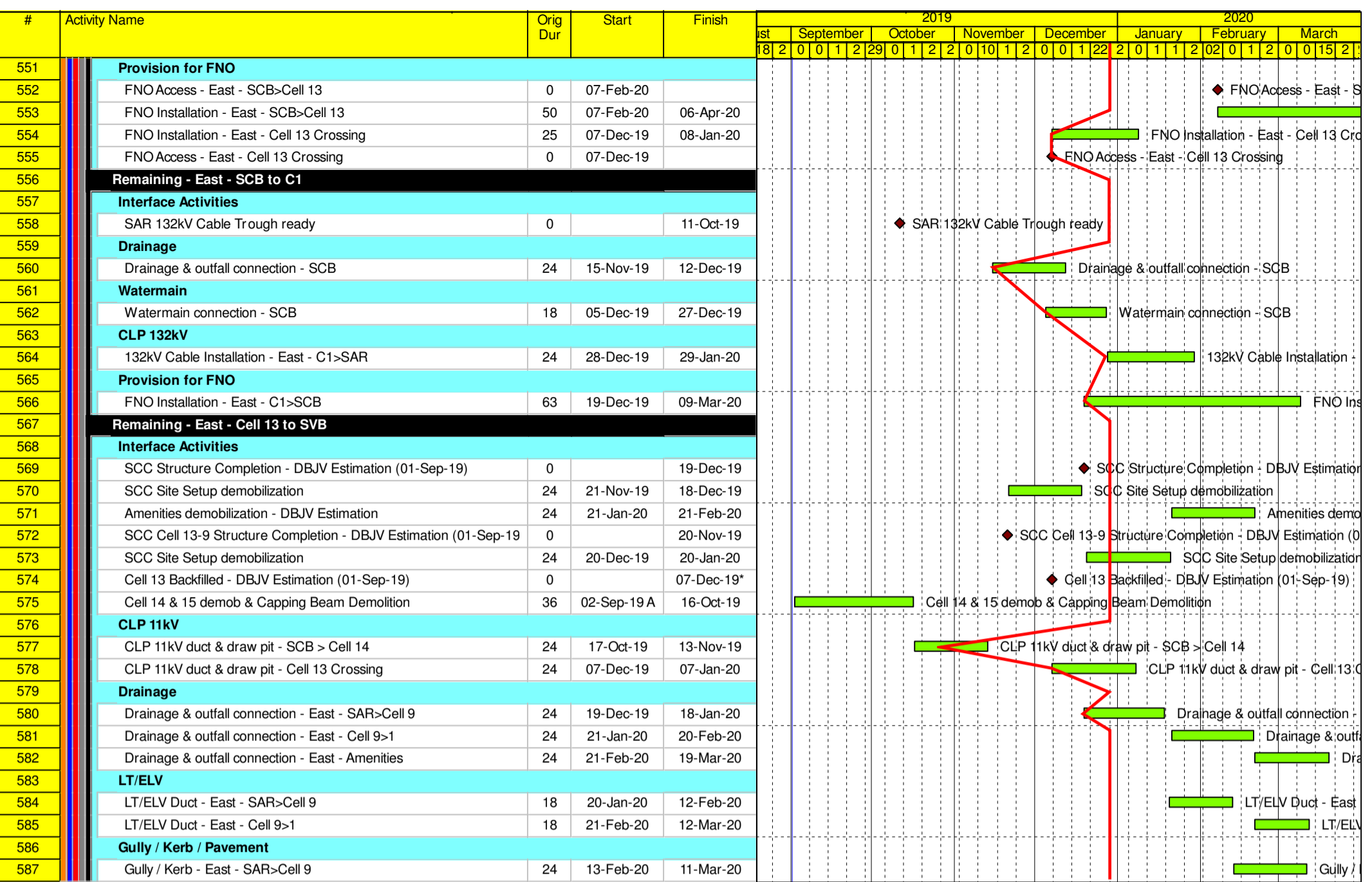


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