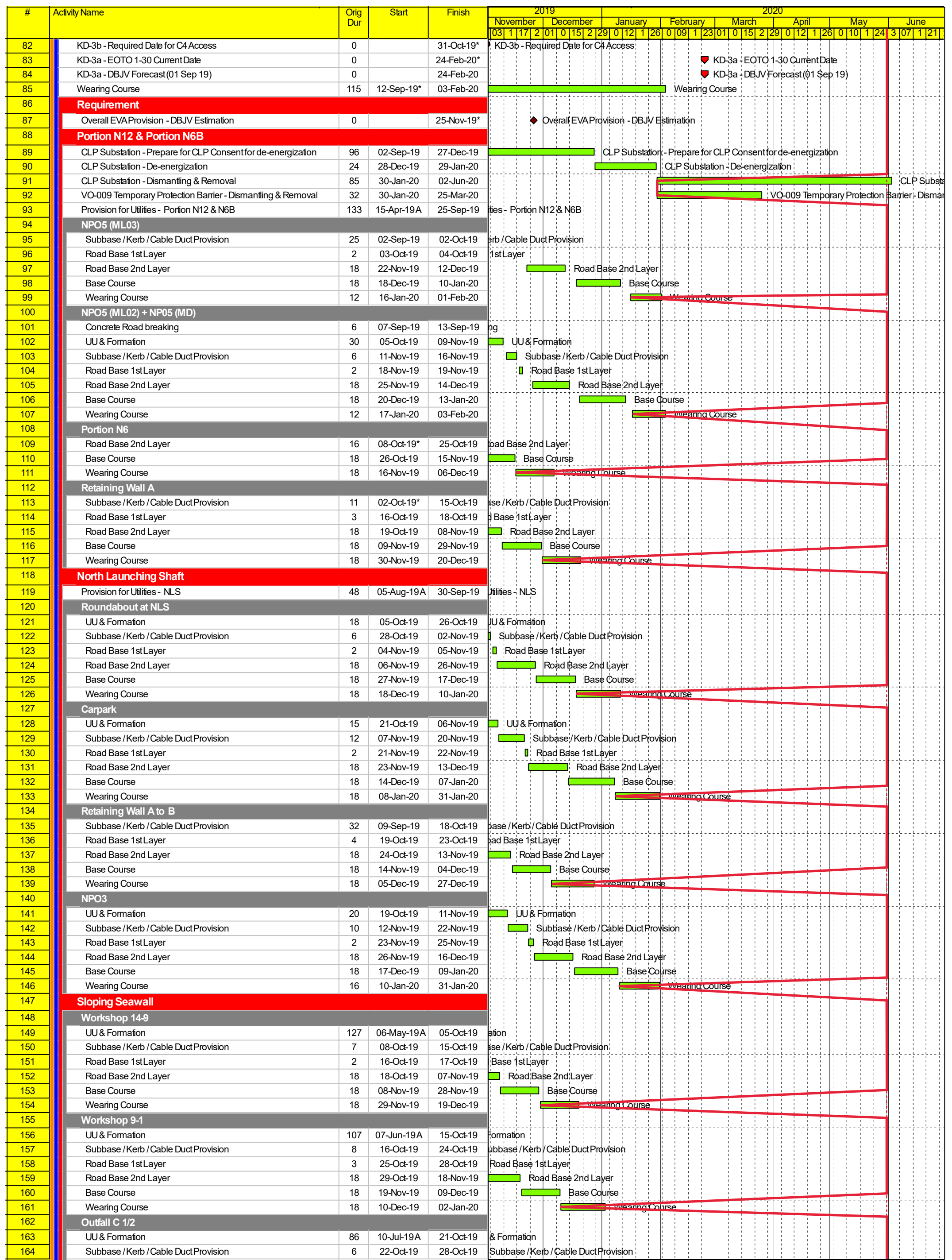


Appendix B

## Construction Programme

#	Activity Name	Orig Dur	Start	Finish	2019												2020																			
					November				December				January				February				March				April				May				June			
					03	1	17	2	01	0	15	2	29	0	12	1	26	0	09	1	23	01	0	15	2	29	0	12	1	26	0	10	1	24	3	07
1	<b>TMCLKL Northern Connection Sub-sea Tunnel Section</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		15-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		30-Oct-19*	[KD-3b] Stage 3b Completion - NLF Provision for CLP, LV & ELV																															
7	[KD-3c] Stage 3c Completion - SLF UU & At-grade works provision	0		14-May-20*	[KD-3c] Stage 3c Completion - SLF UU & At-grade works provision																															
8	[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																															
9	[KD-3f] Stage 3f Achievement - NLS/NAR - provide access	0		21-Nov-19*	[KD-3f] Stage 3f Achievement - NLS/NAR - provide access																															
10	[KD-3g] Stage 3g Completion - SVS Tunnel	0		03-Nov-19*	[KD-3g] Stage 3g Completion - SVS Tunnel																															
11	[KD-3h] Stage 3h Completion - SVS Ventilation Duct	0		03-Feb-20*	[KD-3h] Stage 3h Completion - SVS Ventilation Duct																															
12	[KD-3i] Stage 3i Completion - South Approach Ramp	0		01-Dec-19*	[KD-3i] Stage 3i Completion - South Approach Ramp																															
13	[KD-8] Section 1 Completion - NLF Reclamation & Seawall	0		16-Jan-20*	[KD-8] Section 1 Completion - NLF Reclamation & Seawall																															
14	[KD-9] Section 2 Completion - Tunnels and Approach Ramp	0		05-May-20*	[KD-9] Section 2 Completion - Tunnels and Approach Ramp																															
15	[KD-10] Section 3A Completion - SVB	0		30-Sep-19*	[KD-10] Section 3A Completion - SVB																															
16	[KD-12] Section 4 Completion - SLF At-grade Road	0		14-May-20*	[KD-12] Section 4 Completion - SLF At-grade Road																															
17	[KD-13] Section 5 Completion - Preservation and Protection of Trees	0		14-May-20*	[KD-13] Section 5 Completion - Preservation and Protection of Trees																															
18	<b>Portion Handover Dates</b>																																			
19	N10 (excl Tunnel) - Handover	0		11-Dec-19*	N10 (excl Tunnel) - Handover																															
20	N11A - Handover	0		30-Nov-19*	N11A - Handover																															
21	N11B - Handover	0		30-Nov-19*	N11B - Handover																															
22	N13C, D, E, F, G, H, I - Handover	0		07-Apr-20*	N13C, D, E, F, G, H, I - Handover																															
23	N13Ji, Jii, Ki & Kii - Handover for E&M Contract scope	0		30-Nov-19*	N13Ji, Jii, Ki & Kii - Handover for E&M Contract scope																															
24	N14B - Handover	0		07-Apr-20*	N14B - Handover																															
25	N13B - Handover	0		07-Apr-20*	N13B - Handover																															
26	<b>North Approach Ramp KD-3f</b>																																			
27	KD-3f - DBJV Forecast (01 Sep 19)	0		19-Nov-19	KD-3f - DBJV Forecast (01 Sep 19)																															
28	[KD-3f] - EOTO 1-30 Current Date	0		19-Nov-19*	[KD-3f] - EOTO 1-30 Current Date																															
29	KD-3f - Required Date for C4 Access	0		02-Dec-19*	KD-3f - Required Date for C4 Access																															
30	<b>North Approach Ramp</b>																																			
31	<b>Internal Structure</b>																																			
32	Parapet grouting works	12	27-Aug-19A	09-Sep-19	Parapet grouting works																															
33	Parapet installation @ Bay 9 (part 1 precast)	4	10-Sep-19	13-Sep-19	Parapet installation @ Bay 9 (part 1 precast)																															
34	Utility Ladder modification	12	16-Sep-19	28-Sep-19	Utility Ladder modification																															
35	Breaking of Beams	6	30-Sep-19	08-Oct-19	Breaking of Beams																															
36	In-situ Parapet @ Bay 9 (Utility ladder location)	3	09-Oct-19	11-Oct-19	In-situ Parapet @ Bay 9 (Utility ladder location)																															
37	Road diversion to ML03 side	0	02-Oct-19*		Road diversion to ML03 side																															
38	ML02 side Sub-base backfilling	6	03-Oct-19	10-Oct-19	ML02 side Sub-base backfilling																															
39	Parapet installation (Central location)	28	11-Oct-19	12-Nov-19	Parapet installation (Central location)																															
40	Backfilling & slab topping	6	13-Nov-19	19-Nov-19	Backfilling & slab topping																															
41	<b>Sign Gantry</b>																																			
42	Procurement & Fabrication of Sign Gantry	41	05-Sep-19*	25-Oct-19	Procurement & Fabrication of Sign Gantry																															
43	Delivery of Sign Gantry to Site	1	26-Oct-19	26-Oct-19	Delivery of Sign Gantry to Site																															
44	Installation of Sign Gantry Beam (ML02 & ML03)	6	28-Oct-19	02-Nov-19	Installation of Sign Gantry Beam (ML02 & ML03)																															
45	<b>North Launching Shaft KD-3f</b>																																			
46	[KD-3f] - DBJV Forecast (01 Sep 19)	0		19-Nov-19	[KD-3f] - DBJV Forecast (01 Sep 19)																															
47	[KD-3f] - EOTO 1-30 Current Date	0		19-Nov-19*	[KD-3f] - EOTO 1-30 Current Date																															
48	[KD-3f] - Required Date for C4 Access	0		02-Dec-19*	[KD-3f] - Required Date for C4 Access																															
49	<b>North Launching Shaft</b>																																			
50	Thermal Barrier (Wall + OHVD Soffit + above OHVD)	70	22-Jul-19A	14-Oct-19	Thermal Barrier (Wall + OHVD Soffit + above OHVD)																															
51	VO72 - lead time	31	15-Oct-19	19-Nov-19	VO72 - lead time																															
52	<b>Remaining North Reclamation KD-8</b>																																			
53	[KD-8] - EOTO 1-30 Current Date	0		16-Jan-20*	[KD-8] - EOTO 1-30 Current Date																															
54	[KD-8] - DBJV Forecast (01 Sep 19)	0		16-Jan-20	[KD-8] - DBJV Forecast (01 Sep 19)																															
55	<b>Vertical Seawall</b>																																			
56	Access received from C4	0		28-Oct-19*	Access received from C4																															
57	Remaining Rubber Fender (VO79)	38	29-Oct-19	11-Dec-19	Remaining Rubber Fender (VO79)																															
58	Remaining Marine Facilities	12	12-Dec-19	27-Dec-19	Remaining Marine Facilities																															
59	Zone A Bay 65 to Bay 67	7	23-Oct-19	30-Oct-19	Zone A Bay 65 to Bay 67																															
60	Zone A Bay 68 to Bay 70	7	31-Oct-19	07-Nov-19	Zone A Bay 68 to Bay 70																															
61	Zone A Bay 71 to Bay 72	6	08-Nov-19	14-Nov-19	Zone A Bay 71 to Bay 72																															
62	<b>Sloping Seawall</b>																																			
63	Sloping Seawall coping	75	02-Sep-19	30-Nov-19	Sloping Seawall coping																															
64	Remaining Vertical Seawall coping (Westside)	34	23-Oct-19	30-Nov-19	Remaining Vertical Seawall coping (Westside)																															
65	<b>Removal, Backfilling &amp; Compaction</b>																																			
66	NAR & NLS Backfilling and Formation	51	01-Aug-19A	30-Sep-19	NAR & NLS Backfilling and Formation																															
67	Zone A Fire Proofing factory dismantling	21	15-Oct-19*	07-Nov-19	Zone A Fire Proofing factory dismantling																															
68	Zone A Fire Proofing factory compaction	30	08-Nov-19	12-Dec-19	Zone A Fire Proofing factory compaction																															
69	Surcharge removal at Zone B (STP Area)	30	11-Nov-19*	14-Dec-19	Surcharge removal at Zone B (STP Area)																															
70	Zone B (STP Area) compaction (if needed)	12	16-Dec-19	31-Dec-19	Zone B (STP Area) compaction (if needed)																															
71	Zone C Gantry 2 & 3 removed	0		15-Nov-19*	Zone C Gantry 2 & 3 removed																															
72	Zone C Gantry 2 & 3 slab breaking & removal	12	16-Nov-19	29-Nov-19	Zone C Gantry 2 & 3 slab breaking & removal																															
73	Zone C Gantry 2 & 3 Compaction	18	30-Nov-19	20-Dec-19	Zone C Gantry 2 & 3 Compaction																															
74	<b>Overall</b>																																			
75	Sloping Seawall Echo Sounding survey	0		31-Oct-19*	Sloping Seawall Echo Sounding survey																															
76	Sloping Seawall Remedial works (if needed)	12	31-Oct-19	13-Nov-19	Sloping Seawall Remedial works (if needed)																															
77	Sloping Seawall Final Echo Sounding survey	0		13-Nov-19	Sloping Seawall Final Echo Sounding survey																															
78	Vertical seawall defect rectification	88	02-Oct-19	16-Jan-20	Vertical seawall defect rectification																															
79	<b>NLF Demobilization &amp; At-grade works</b>																																			
80	KD-3b - EOTO 1-30 Current Date	0		29-Oct-19*	KD-3b - EOTO 1-30 Current Date																															
81	KD-3b - DBJV Forecast (01 Sep 19)	0		29-Oct-19*	KD-3b - DBJV Forecast (01 Sep 19)																															



- Planned Bar
- ◆ Planned Milestone
- ♥ Key Date
- ◆ Progress Milestone
- Progress Bar

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
22-Dec-17	RevH	WYu	
05-Feb-18	RevIAC	WYu	
07-Mar-18	RevI	WYu	
04-Jun-18	RevJ	WYu	
11-Nov-19	RevK	SPa	WYu
22-Jan-20	RevK1	SPa	WYu



#	Activity Name	Orig Dur	Start	Finish	2019												2020																			
					November				December				January				February				March				April				May				June			
					03	1	17	2	01	0	15	2	29	0	12	1	26	0	09	1	23	01	0	15	2	29	0	12	1	26	0	10	1	24	3	07
165	Road Base 1st Layer	2	29-Oct-19	30-Oct-19	Road Base 1st Layer																															
166	Road Base 2nd Layer	14	26-Nov-19	11-Dec-19	Road Base 2nd Layer																															
167	Base Course	14	16-Dec-19	03-Jan-20	Base Course																															
168	Wearing Course	12	07-Jan-20	20-Jan-20	Wearing Course																															
169	<b>Outfall C 2/2</b>																																			
170	UU & Formation	12	02-Nov-19	15-Nov-19	UU & Formation																															
171	Subbase /Kerb /Cable Duct Provision	6	16-Nov-19	22-Nov-19	Subbase /Kerb /Cable Duct Provision																															
172	Road Base 1st Layer	2	23-Nov-19	25-Nov-19	Road Base 1st Layer																															
173	Road Base 2nd Layer	14	28-Nov-19	13-Dec-19	Road Base 2nd Layer																															
174	Base Course	14	17-Dec-19	04-Jan-20	Base Course																															
175	Wearing Course	12	08-Jan-20	21-Jan-20	Wearing Course																															
176	<b>Precast Segment Yard</b>																																			
177	<b>Roundabout/G4</b>																																			
178	Subbase /Kerb /Cable Duct Provision	24	02-Sep-19	30-Sep-19	Subbase /Kerb /Cable Duct Provision																															
179	Road Base 1st Layer	2	02-Oct-19	03-Oct-19	Road Base 1st Layer																															
180	Road Base 2nd Layer	18	04-Oct-19	25-Oct-19	Road Base 2nd Layer																															
181	Base Course	18	26-Oct-19	15-Nov-19	Base Course																															
182	Wearing Course	18	16-Nov-19	06-Dec-19	Wearing Course																															
183	<b>NVS &amp; STP (Portion N7 Interface)</b>																																			
184	<b>North Ventilation Building</b>																																			
185	Subbase /Kerb /Cable Duct Provision	9	02-Sep-19	11-Sep-19	Subbase /Kerb /Cable Duct Provision																															
186	Road Base 1st Layer	2	12-Sep-19	13-Sep-19	Road Base 1st Layer																															
187	Road Base 2nd Layer	18	23-Oct-19	12-Nov-19	Road Base 2nd Layer																															
188	Base Course	18	13-Nov-19	03-Dec-19	Base Course																															
189	Wearing Course	18	04-Dec-19	24-Dec-19	Wearing Course																															
190	<b>FSD/CEDD</b>																																			
191	Subbase /Kerb /Cable Duct Provision	18	02-Sep-19	23-Sep-19	Subbase /Kerb /Cable Duct Provision																															
192	Road Base 1st Layer	2	24-Sep-19	25-Sep-19	Road Base 1st Layer																															
193	Road Base 2nd Layer	18	26-Sep-19	18-Oct-19	Road Base 2nd Layer																															
194	Base Course	18	19-Oct-19	08-Nov-19	Base Course																															
195	Wearing Course	18	09-Nov-19	29-Nov-19	Wearing Course																															
196	<b>Northern Landfall - Overall</b>																																			
197	Street Furniture & Road Marking	2	04-Feb-20	24-Feb-20	Street Furniture & Road Marking																															
198	<b>Remaining Internal Structure KD-2c</b>																																			
199	[KD-2c]- EOTO 1-30 Current Date	0		30-Nov-19*	[KD-2c]- EOTO 1-30 Current Date																															
200	[KD-2c]- ML02 DBJV Forecast (01Sep19)	0		31-Oct-19	[KD-2c]- ML02 DBJV Forecast (01Sep19)																															
201	[KD-2c]- ML02 Required Date for C4 Access	0		31-Oct-19*	[KD-2c]- ML02 Required Date for C4 Access																															
202	[KD-2c]- Required Date for C4 Access	0		30-Nov-19*	[KD-2c]- Required Date for C4 Access																															
203	[KD-2c]- ML03 DBJV Forecast (01Sep19)	0		30-Nov-19	[KD-2c]- ML03 DBJV Forecast (01Sep19)																															
204	<b>ML02 TSS</b>																																			
205	ML02 TSS CP13-SVS - Thermal Barrier Wall	47	22-Jul-19A	13-Sep-19	ML02 TSS CP13-SVS - Thermal Barrier Wall																															
206	VO72 - lead time	12	16-Sep-19	28-Sep-19	VO72 - lead time																															
207	<b>ML02 SVS</b>																																			
208	ML02 SVS - Water Leakage 1month (TBC)	26	27-Aug-19A	26-Sep-19	ML02 SVS - Water Leakage 1month (TBC)																															
209	ML02 SVS - Thermal Barrier above OHVD	6	25-Oct-19	31-Oct-19	ML02 SVS - Thermal Barrier above OHVD																															
210	ML02 SVS - Parapet	12	18-Sep-19*	02-Oct-19	ML02 SVS - Parapet																															
211	ML02 SVS - Walkway corbel	6	03-Oct-19	10-Oct-19	ML02 SVS - Walkway corbel																															
212	ML02 SVS - Thermal Barrier OHVD Soffit	6	11-Oct-19	17-Oct-19	ML02 SVS - Thermal Barrier OHVD Soffit																															
213	ML02 SVS - Thermal Barrier Wall	6	18-Oct-19	24-Oct-19	ML02 SVS - Thermal Barrier Wall																															
214	VO72 - lead time	6	25-Oct-19	31-Oct-19	VO72 - lead time																															
215	<b>ML02 TSA</b>																																			
216	ML02 TSA - Thermal Barrier Wall	18	02-Sep-19	23-Sep-19	ML02 TSA - Thermal Barrier Wall																															
217	ML02 TSA - Thermal Barrier above OHVD	18	24-Sep-19	16-Oct-19	ML02 TSA - Thermal Barrier above OHVD																															
218	ML02 TSA - Thermal Barrier OHVD Soffit	24	24-Sep-19	23-Oct-19	ML02 TSA - Thermal Barrier OHVD Soffit																															
219	VO72 - lead time	10	24-Oct-19	04-Nov-19	VO72 - lead time																															
220	<b>ML03 TSS</b>																																			
221	ML03 TSS Entrance - Remaining OHVD	17	20-Aug-19A	07-Sep-19	ML03 TSS Entrance - Remaining OHVD																															
222	ML03 TSS CP11-SVS - Thermal Barrier OHVD Soffit	19	17-Sep-19	10-Oct-19	ML03 TSS CP11-SVS - Thermal Barrier OHVD Soffit																															
223	VO72 - lead time	12	11-Oct-19	24-Oct-19	VO72 - lead time																															
224	ML03 TSS CP11-SVS - Thermal Barrier Wall	30	19-Aug-19A	23-Sep-19	ML03 TSS CP11-SVS - Thermal Barrier Wall																															
225	ML03 TSS CP13-SVS - Thermal Barrier above OHVD	18	11-Oct-19	31-Oct-19	ML03 TSS CP13-SVS - Thermal Barrier above OHVD																															
226	<b>ML03 SVS</b>																																			
227	ML03 SVS - ISSG Crossing	9	09-Sep-19	19-Sep-19	ML03 SVS - ISSG Crossing																															
228	Removal of props after ISSG Crossing	6	20-Sep-19	26-Sep-19	Removal of props after ISSG Crossing																															
229	ML03 SVS - Weathertight	0		27-Sep-19*	ML03 SVS - Weathertight																															
230	ML03 SVS - Parapet	6	23-Oct-19	29-Oct-19	ML03 SVS - Parapet																															
231	ML03 SVS - Walkway corbel	6	30-Oct-19	05-Nov-19	ML03 SVS - Walkway corbel																															
232	ML03 SVS - Thermal Barrier above OHVD	9	20-Nov-19	29-Nov-19	ML03 SVS - Thermal Barrier above OHVD																															
233	ML03 SVS - Thermal Barrier OHVD Soffit	6	06-Nov-19	12-Nov-19	ML03 SVS - Thermal Barrier OHVD Soffit																															
234	ML03 SVS - Thermal Barrier Wall	6	13-Nov-19	19-Nov-19	ML03 SVS - Thermal Barrier Wall																															
235	VO72 - lead time	10	20-Nov-19	30-Nov-19	VO72 - lead time																															
236	ML03 SVS - Water Leakage 1month (TBC)	26	28-Sep-19	30-Oct-19	ML03 SVS - Water Leakage 1month (TBC)																															
237	<b>ML03 TSA</b>																																			
238	ML03 TSA - Corbel installation	93	21-May-19A	07-Sep-19	ML03 TSA - Corbel installation																															
239	ML03 TSA - Parapet installation	29	27-Aug-19A	30-Sep-19	ML03 TSA - Parapet installation																															
240	ML03 TSA - Walkway installation	30	02-Sep-19	09-Oct-19	ML03 TSA - Walkway installation																															
241	ML03 TSA - OHVD slab	11	20-Sep-19	03-Oct-19	ML03 TSA - OHVD slab																															
242	ML03 TSA - OHVD slab stitching	6	04-Oct-19	11-Oct-19	ML03 TSA - OHVD slab stitching																															
243	ML03 TSA - Thermal Barrier Wall	24	02-Oct-19	30-Oct-19	ML03 TSA - Thermal Barrier Wall																															
244	ML03 TSA - Thermal Barrier - OHVD Soffit	24	21-Oct-19	16-Nov-19	ML03 TSA - Thermal Barrier - OHVD Soffit																															
245	VO72 - lead time	12	18-Nov-19	30-Nov-19	VO72 - lead time																															
246	ML03 TSA - Thermal Barrier above OHVD	12	18-Nov-19	30-Nov-19	ML03 TSA - Thermal Barrier above OHVD																															















