

Appendix E.

Construction Plant Inventory

Activity	Number of Plant to be used in the Activity																		
	Bulldozer	Backhoe	Loader	Rock Driller	Concrete Cutter	Lorry	Vibrating Hammer	Piling Machine	Electricity Generator	Air Compressor	Lifting Crane	Bar Bender	Concrete Pump	Concrete Lorry Mixer	Vibrating Poker	Grader	Paver	Compacting Plate	Compacting Roller
	CNP030	CNP081	GNP081	CNP181	BSS228 Ref. C2#4	CNP141	BSS228 Ref. C4#8	CNP166	CNP101	CNP003	CNP048	CNP021	CNP047	CNP044	CNP170	CNP104	CNP004	CNP050	CNP186
1 Between Island House and Tai Wan Road																			
2 Site Clearance	1	1	1			4													
3 Utility Diversions		1																	2
4 Extend Culvert at Ch1550		1				2	1		1	1	1	1	2	2				1	
5 Filling embankment between Ch600 and CH1800			2			5												1	1
6 Construct retaining walls		1							1	2	1	2	1	2	4				
7 Construct new Banyan Bridge																			
8 - Sheetpiling							1			1	1								
9 - Foundation works		1				2	1		1	1	1								
10 - Construct substructure								1	1	1	1	1	1	2					1
11 - Construct superstructure								1	1	1	1	1	1	2	4				
12 Construct new Playground Bridge									1	1	1	1	1	2	4				
13 - Sheetpiling							1			1	1								
14 - Foundation works		1				2		1	1	1	1	1	1	2					1
15 - Construct substructure									1	1	1	1	1	2	4				
16 - Construct superstructure									1	1	1	1	1	2	4				
17 Demolish and rebuild Banyan Bridge West									1	1	1	1	1	2	4				
18 - Install protective measures						1													
19 - Demolish existing bridge					1	2			1	1	1	1							
20 - Foundation works		1				2		1	1	1	1	1	1	2					
21 - Construct substructure									1	1	1	1	1	2	4				1
22 - Construct superstructure									1	1	1	1	1	2	4				
23 - Demolish existing Banyan Bridge					1	2			1	1	1	1	1	2	4				
24 Widening Lam Kam Railway Bridge																			
25 - Sheetpiling							1			1	1								
26 - Foundation works		1				2		1	1	1	1	1	1	2					1
27 - Construct substructure									1	1	1	1	1	2	4				
28 - Construct superstructure									1	1	1	1	1	2	4				
29 Construct new Bridge No. 11																			
30 - Foundation works		1				2		1	1	1	1	1	1	2	4				
31 - Construct substructure									1	1	1	1	1	2	4				1
32 - Construct superstructure									1	1	1	1	1	2	4				
33 Construct new Bridge No. 10																			
34 - Foundation works		1				2		1	1	1	1	1	1	2	4				
35 - Construct substructure									1	1	1	1	1	2	4				1
36 - Construct superstructure									1	1	1	1	1	2	4				
37 Construct noise barriers																			
38 - Foundation works		1				2		1	1	1	1	1	1	2	4				
39 - Install noise barriers																			
40 Roadworks and Traffic Signs		1	1			4													1
41 Drainage works		1				2			1	1	1				2	1	1	1	2
42 Traffic Diversion and surfacing						4			1	1	1				2			1	1
43 Landscaping works						1			1	1	1						1	1	2

Activity	Number of Plant to be used in the Activity																		
	Bulldozer	Backhoe	Loader	Rock Driller	Concrete Cutter	Lorry	Vibrating Hammer	Piling Machine	Electricity Generator	Air Compressor	Lifting Crane	Bar Bender	Concrete Pump	Concrete Lorry Mixer	Vibrating Poker	Grader	Paver	Compacting Plate	Compacting Roller
	CNP030	CNP081	CNP081	CNP181	BSS228 Ref. C2#4	CNP141	BSS228 Ref. C4#6	CNP166	CNP101	CNP003	CNP048	GNP021	CNP047	CNP044	CNP170	CNP104	CNP004	CNP050	CNP186
45 Between Tai Wan Road and Tai Po Tai Wo Road																			
46 Site Clearance	1	1	1			4													
47 Utility Diversions		1																2	
48 Temporary protective measures for slope cutting										1	1								
49 Cutting at Ch2180, 2300, 2500 and 2900		2		1		6				2	2	2	2	1	2	4		1	1
50 Construct retaining walls		2								2	2	2	1	2	4				
51 Slope protective measures									1	1	1	1							
52 Reprovide footpaths		1								1	1	1			2			1	
53 Extend existing culvert N580, N581 and N135		2				4	1		2	2	1	1	1	2	2			1	
54 Filling of embankments at Ch2250, 2430, 2650 and 2700			2			6						1	1	2	2			1	
55 Construct new Bridge No. 12																			1
56 - Foundation works		1				2		1	1	1	1	1	1	2					1
57 - Construct substructure								1	1	1	1	1	1	2	4				
58 - Construct superstructure								1	1	1	1	1	1	2	4				
59 Construct new bridge to link Tai Po Tai Wo Road																			
60 - Foundation works		1				2		1	1	1	1	1	1	2					1
61 - Construct substructure								1	1	1	1	1	1	2	4				
62 - Construct superstructure								1	1	1	1	1	1	2	4				
63 Construct new Bridge No. 13																			
64 - Foundation works		1				2		1	1	1	1	1	1	2					1
65 - Construct substructure								1	1	1	1	1	1	2	4				
66 - Construct superstructure								1	1	1	1	1	1	2	4				
67 Construct new Bridge No. 15																			
68 - Foundation works		1				2		1	1	1	1	1	1	2					1
69 - Construct substructure								1	1	1	1	1	1	2	4				
70 - Construct superstructure								1	1	1	1	1	1	2	4				
71 Realign Tai Po Tai Wo Road		1	1			2											1	1	2
72 Construct noise barriers																			
73 - Foundation works		1				2		1	1	2	1	1	1	2	2				1
74 - Install noise barriers											1								
75 Roadworks and Traffic signs		1	1			4			1	1	1				2	1	1	1	2
76 Drainage works		1				2			1	1	1				2			1	1
77 Traffic diversion and surfacing						4			1	1							1	1	2
78 Landscaping works		1																	

Activity	Number of Plant to be used in the Activity																			
	Bulldozer	Backhoe	Loader	Rock Driller	Concrete Cutter	Lorry	Vibrating Hammer	Piling Machine	Electricity Generator	Air Compressor	Lifting Crane	Bar Bender	Concrete Pump	Concrete Lorry Mixer	Vibrating Poker	Grader	Paver	Compacting Plate	Compacting Roller	
	CNP030	CNP081	CNP081	CNP181	BS5228 Ref. C2#4	CNP141	BS5228 Ref. C4#6	CNP186	CNP101	CNP003	CNP048	CNP021	CNP047	CNP044	CNP170	CNP104	CNP004	CNP050	CNP186	
80 Between Tai Po Tai Wo Road and Hong Lok Yuen Road																				
81 Site Clearance	1	1	1			4														
82 Utility Diversions		1																	2	
83 Temporary protective measures for slope cutting																				
84 Cutting at Ch4300		2		1						1	1									
85 Extend WSD Flood Arches						2			1	1	1	1	1	1	2				1	1
86 Extend WSD Accommodation Underpass		1				2			1	1	1	1	1	1	2				1	1
87 Construct portal to protect existing water tunnel at Ch4900																				
88 - Foundation works		1				2			1	1	1	1	1	1	2				1	1
89 - Construct portal						1			1	1	1	1	1	1	2					
90 Filling embankment at Ch4900			1			3														1
91 Relocate ramp of subway B		1				2	1		1	1	1	1	1	2	2				1	1
92 Construct dwarf wall at Ch5200		1													2				1	1
93 Realign slip road and footpath underneath Ch5200		1	1			2						1			2				1	1
94 Construct new Lam Kam Flyover																	1		1	1
95 - Sheetpiling							1			1	1									
96 - Foundation works		2				4		2	2	2	2	1	1	2					1	1
97 - Construct substructure									2	2	2	1	1	2						
98 - Construct superstructure									2	2	2	1	1	2	4					
99 Construct retaining walls at Ch4600		2							2	2	2	1	1	2	4					
100 Modification of pipe bridge									2	2	2	2	1	2	4				1	1
101 - Install protective measures						1			1	1	1									
102 - Sheetpiling							1			1	1									
103 - Foundation works		1				2	1		1	2	1	1	1	2						1
104 - Construct substructure									1	1	1	1	1	2	4					
105 - Construct superstructure									1	1	1	1	1	2	4					
106 Construct noise barriers																				
107 - Foundation works		1				2			1	2	1	1	1	2	2					1
108 - Install noise barriers																				
109 Roadworks and Traffic signs			1			4			1	1	1					1			1	2
110 Drainage works		1				2			1	1	1				2		1		1	1
111 Traffic diversion and surfacing						4			1	1									1	1
112 Landscaping works						1														2

Activity	Number of Plant to be used in the Activity																		
	Bulldozer	Backhoe	Loader	Rock Driller	Concrete Culler	Lorry	Vibrating Hammer	Piling Machine	Electricity Generator	Air Compressor	Lifting Crane	Bar Bender	Concrete Pump	Concrete Lorry Mixer	Vibrating Poker	Grader	Paver	Compacting Plate	Compacting Roller
	CNP030	CNP081	CNP081	CNP181	BS5228 Ref. G2#4	CNP141	BS5228 Ref. C#85	CNP166	CNP101	CNP003	CNP048	CNP021	CNP047	CNP044	CNP170	CNP104	CNP004	CNP050	CNP186
115 Between Hong Lok Yuen Road and Pak Wo Road																			
116 Site clearance	1	2	2			8													
117 Utility diversions		2																2	1
118 River diversion		1	1			3	1		1	1	1	1	2	2				1	1
119 Watermain diversions		1				2	1		1	1	1	1	1	2				1	1
120 Relocate rubber dam		1				1	1		1	1	1	1	2	2				1	1
121 Extend existing culvert N487, N488, N489, N490 and N491		2				4	1		2	2	1	1	2	2				1	
122 Filling of embankments			2			6													
123 Realign Tai Wo Wervice Road West		1	1			2											1	1	2
124 Construct retaining wall at Ch8500		1							1	1	1		1	2	2			1	1
125 Demolish and rebuild Kiu Tau Bridge											1	1	2	2	2			1	1
126 - Install protective measures						1			1	1	1								
127 - Demolish existing bridge					1	2			1	1	1								
128 - Sheetpiling							1				1								
129 - Foundation works		1				2		1	1	2	1	1	2						1
130 - Construct substructure									1	1	1	1	2	4					
131 - Construct superstructure									1	1	1	1	2	4					
132 Construct Tai Hang Footbridge Extension									1	1	1	1	2	4					
133 - Foundation works		1				1		1	1	1	1	1	2						1
134 - Construct substructure									1	1	1	1	2	4					
135 - Construct superstructure									1	1	1	1	2	4					
136 Provide temporary footbridges at Tai Wo and Nam Wah Po		1				2	1	1	1	1	1	1	1	2	4			1	
137 Construct Tai Wo Footbridge Extension																			
138 - Foundation works		1				1		1	1	1	1	1	2						1
139 - Construct substructure									1	1	1	1	2	4					
140 - Construct superstructure									1	1	1	1	2	4					
141 Construct Nam Wah Po Footbridge																			
142 - Foundation works		1				1			1	1	1	1	2	4					
143 - Construct substructure									1	1	1	1	2	4					1
144 - Construct superstructure									1	1	1	1	2	4					
145 Construct Nam Wah Po Footbridge Extension																			
146 - Foundation works		1				1		1	1	1	1	1	2						1
147 - Construct substructure									1	1	1	1	2	4					
148 - Construct superstructure									1	1	1	1	2	4					
149 Construct Kiu Tau Footbridge																			
150 - Foundation works		1				1		1	1	1	1	1	2	4					1
151 - Construct substructure									1	1	1	1	2	4					
152 - Construct superstructure									1	1	1	1	2	4					
153 Construct Ho Ka Yuen Footbridge																			
154 - Foundation works		1				1		1	1	1	1	1	2	4					1
155 - Construct substructure									1	1	1	1	2	4					
156 - Construct superstructure									1	1	1	1	2	4					
157 Demolish existing footbridges									1	1	1	1	2	4					
158 - Install protective measures						1			1	1	1								
159 - Demolish existing footbridge					1	2			1	1	1								
160 Reprovide footpaths and cycletracks		1				2			2	2	2							1	
161 Modify road connections		1	1						2	2	2							1	
162 Construct noise barriers															2				
163 - Foundation works		2				2			1	2	2	1	1	2	2				1
164 - Install noise barriers																			
165 Roadworks and Traffic signs		2	2			4			2	2	2	1			2	1	1	2	2
166 Drainage works		2				4			2	2	2				2			1	2
167 Traffic diversion and surfacing						4			2	2	2				2			1	2
168 Landscaping works						1			2	2	2							2	2

Activity	Number of Plant to be used in the Activity																			
	Bulldozer	Backhoe	Loader	Rock Driller	Concrete Cutter	Lorry	Vibrating Hammer	Piling Machine	Electricity Generator	Air Compressor	Lifting Crane	Bar Bender	Concrete Pump	Concrete Lorry Mixer	Vibrating Poker	Grader	Paver	Compacting Plate	Compacting Roller	
	CNP030	CNP061	CNP061	CNP161	BS5228 Ref. G2#4	CNP141	BS5228 Ref. C4#6	CNP166	CNP101	CNP003	CNP048	GNP021	CNP047	CNP044	CNP170	CNP104	CNP004	CNP050	CNP166	
1 Between Island House and Tai Wan Road																				
2 Site Clearance	1	1	1			3														
3 Utility Diversions		1																	2	
4 Extend Culvert at Ch1550		1				2	1		1	1	1	1	2	2				1		
5 Filling embankment between Ch600 and CH1800			2			4													1	
6 Construct retaining walls		1							1	2	1	2	1	2	3					
7 Construct new Banyan Bridge																				
8 - Sheetpiling							1			1	1									
9 - Foundation works		1				2		1	1	1	1	1	1	2					1	
10 - Construct substructure									1	1	1	1	1	2	3					
11 - Construct superstructure									1	1	1	1	1	2	3					
12 Construct new Playground Bridge																				
13 - Sheetpiling							1			1	1									
14 - Foundation works		1				2		1	1	1	1	1	1	2					1	
15 - Construct substructure									1	1	1	1	1	2	3					
16 - Construct superstructure									1	1	1	1	1	2	3					
17 Demolish and rebuild Banyan Bridge West																				
18 - Install protective measures						1			1	1	1									
19 - Demolish existing bridge					1	2			1	1	1									
20 - Foundation works		1				2		1	1	1	1	1	1	2					1	
21 - Construct substructure									1	1	1	1	1	2	3					
22 - Construct superstructure									1	1	1	1	1	2	3					
23 - Demolish existing Banyan Bridge					1	2			1	1	1	1	1	2	3					
24 Widening Lam Kam Railway Bridge																				
25 - Sheetpiling							1			1	1									
26 - Foundation works		1				2		1	1	1	1	1	1	2					1	
27 - Construct substructure									1	1	1	1	1	2	3					
28 - Construct superstructure									1	1	1	1	1	2	3					
29 Construct new Bridge No. 11																				
30 - Foundation works		1				2		1	1	1	1	1	1	2					1	
31 - Construct substructure									1	1	1	1	1	2	3					
32 - Construct superstructure									1	1	1	1	1	2	3					
33 Construct new Bridge No. 10																				
34 - Foundation works		1				2		1	1	1	1	1	1	2					1	
35 - Construct substructure									1	1	1	1	1	2	3					
36 - Construct superstructure									1	1	1	1	1	2	3					
37 Construct noise barriers																				
38 - Foundation works		1				2		1	1	1	1	1	1	2	2				1	
39 - Install noise barriers																				
40 Roadworks and Traffic Signs		1	1			3			1	1	1				2	1	1	1	2	
41 Drainage works		1				2			1	1	1				2			1	1	
42 Traffic Diversion and surfacing						3			1	1	1						1	1	2	
43 Landscaping works						1														

Activity	Number of Plant to be used in the Activity																		
	Bulldozer	Backhoe	Loader	Rock Driller	Concrete Cutter	Lorry	Vibrating Hammer	Piling Machine	Electricity Generator	Air Compressor	Lifting Crane	Bar Bender	Concrete Pump	Concrete Lorry Mixer	Vibrating Poker	Grader	Paver	Compacting Plate	Compacting Roller
	CNP030	CNP081	CNP081	CNP181	BS5228 Ref. C2#4	CNP141	C4#6	CNP166	CNP101	CNP003	CNP048	CNP021	CNP047	CNP044	CNP170	CNP104	CNP004	CNP050	CNP186
45 Between Tai Wan Road and Tai Po Tai Wo Road																			
46 Site Clearance	1	1	1			4													
47 Utility Diversions		1																	2
48 Temporary protective measures for slope cutting										1	1								
49 Cutting at Ch2180, 2300, 2500 and 2900		2		1		4													
50 Construct retaining walls		2							2	2	2	2	1	2	3			1	1
51 Slope protective measures									1	1	1								
52 Reprovide footpaths		1							1	1	1				2			1	
53 Extend existing culvert N580, N581 and N135		2				3	1		2	2	1	1	1	2	2			1	
54 Filling of embankments at Ch2250, 2430, 2650 and 2700			2			4													1
55 Construct new Bridge No. 12																			
56 - Foundation works		1				2		1	1	1	1	1	1	2					1
57 - Construct substructure									1	1	1	1	1	2	3				
58 - Construct superstructure									1	1	1	1	1	2	3				
59 Construct new bridge to link Tai Po Tai Wo Road																			
60 - Foundation works		1				2		1	1	1	1	1	1	2					1
61 - Construct substructure									1	1	1	1	1	2	3				
62 - Construct superstructure									1	1	1	1	1	2	3				
63 Construct new Bridge No. 13																			
64 - Foundation works		1				2		1	1	1	1	1	1	2					1
65 - Construct substructure									1	1	1	1	1	2	3				
66 - Construct superstructure									1	1	1	1	1	2	3				
67 Construct new Bridge No. 15																			
68 - Foundation works		1				2		1	1	1	1	1	1	2					1
69 - Construct substructure									1	1	1	1	1	2	3				
70 - Construct superstructure									1	1	1	1	1	2	3				
71 Realign Tai Po Tai Wo Road		1	1			2			1	1	1	1	1	2	3		1	1	2
72 Construct noise barriers																			
73 - Foundation works		1				2		1	1	2	1	1	1	2	2				1
74 - Install noise barriers											1								
75 Roadworks and Traffic signs		1	1			3			1	1	1				2	1	1	1	2
76 Drainage works		1				2			1	1	1				2			1	1
77 Traffic diversion and surfacing						3			1	1							1	1	2
78 Landscaping works		1																	