

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	Calendar	Remarks	2015												2016												2017												2018												2019																		
								O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A
Initial Works Programme																																																																										
CON.PR.1020.10	Prepare & Submit Initial Works Programme (IWP)	7	27-Feb-15	05-Mar-15	0	CAL 1 - 7 day	7 days from LOA																																																																			
CON.PR.1020.20	Engineer's Approval	30	06-Mar-15	04-Apr-15	0	CAL 1 - 7 day																																																																				
Provisional Programme for Piling Works																																																																										
CON.PR.1030.10	Prepare Detailed Piling Schedule (refer to IWP)	14	13-Mar-15	26-Mar-15	9	CAL 1 - 7 day																																																																				
CON.PR.1030.20	Engineer's Approval	24	27-Mar-15	19-Apr-15	9	CAL 1 - 7 day																																																																				
3 Months Rolling Programme																																																																										
CON.PR.1040.10	Prepare 3 Months Rolling Programme	14	27-Feb-15	12-Mar-15	0	CAL 1 - 7 day	14 days from LOA																																																																			
CON.PR.1040.20	Engineer's Approval	24	13-Mar-15	05-Apr-15	0	CAL 1 - 7 day																																																																				
Detailed Works Programme																																																																										
CON.PR.1050.10	Prepare Detailed Works Programme (DWP)	60	05-Apr-15	03-Jun-15	0	CAL 1 - 7 day																																																																				
CON.PR.1050.20	Engineer's Approval	30	04-Jun-15	03-Jul-15*	0	CAL 1 - 7 day																																																																				
Safety & Health																																																																										
CON.PR.1060.10	Draft Safety Plan	14	09-Mar-15	22-Mar-15*	0	CAL 1 - 7 day	14 days from LOA																																																																			
CON.PR.1060.20	Finalized Safety Plan	21	23-Mar-15	12-Apr-15	30	CAL 1 - 7 day	35 days from LOA																																																																			
Environmental Management Plan																																																																										
CON.PR.1080.10	Draft Environmental Management Plan	21	27-Feb-15	19-Mar-15	30	CAL 1 - 7 day	21 days from LOA																																																																			
CON.PR.1080.20	Finalized EMP	24	20-Mar-15	12-Apr-15	30	CAL 1 - 7 day	45 days from LOA																																																																			
Sub-Contractor Management Plan																																																																										
CON.PR.1080.50	Prepare Sub-Contractor Management Plan	30	27-Feb-15	28-Mar-15	0	CAL 1 - 7 day	30 days from LOA																																																																			
CON.PR.1080.60	Engineer's Approval	24	29-Mar-15	21-Apr-15*	0	CAL 1 - 7 day																																																																				
Temporary Facilities																																																																										
CON.PR.0130	Site Possession / Access to Works Area WA3	0	13-Mar-15		10	CAL 2 - 6 day		13-Mar-15																																																																		
CON.PR.0140	Survey / Setting Out	6	13-Mar-15	19-Mar-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150	Engineer's Principal Site Office	45	20-Mar-15	16-May-15	11	CAL 2 - 6 day																																																																				
CON.PR.0150.10	Site Formation	3	20-Mar-15	23-Mar-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150.20	Foundation	5	24-Mar-15	28-Mar-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150.30	Base Slab	5	30-Mar-15	08-Apr-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150.40	Structural Steel Erection	10	09-Apr-15	20-Apr-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150.50	Roof and Wall Cladding	7	21-Apr-15	28-Apr-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150.60	Internal Partition	6	29-Apr-15	06-May-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150.70	Building Services	8	07-May-15	15-May-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150.80	Fit-Out and Office Furnitures	8	07-May-15	15-May-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150.90	T&C	2	16-May-15	18-May-15	10	CAL 2 - 6 day																																																																				
CON.PR.0150.95	Handover to Engineer	0		18-May-15*	10	CAL 2 - 6 day		18-May-15																																																																		
CON.PR.0160	Contractor's Site Office	45	08-Apr-15	01-Jun-15	11	CAL 2 - 6 day																																																																				
CON.PR.0170	External Works - Paving, Drainage and Fencing	24	18-May-15	15-Jun-15*	11	CAL 2 - 6 day																																																																				
Procurement																																																																										
Bridge Bearings																																																																										
PROC.MA.1610	Detailed Design / Shop Drawings and Materials Submission	60	08-Apr-15	18-Jun-15	31	CAL 2 - 6 day																																																																				
PROC.MA.1615	Engineer's Review / Approval	24	19-Jun-15	18-Jul-15	31	CAL 2 - 6 day																																																																				
PROC.MA.1650	Production / Manufacturing / Fabrication	90	20-Jul-15	04-Nov-15	31	CAL 2 - 6 day																																																																				
PROC.MA.1670	Materials Delivery (first delivery)	0	05-Nov-15		31	CAL 2 - 6 day		05-Nov-15																																																																		
Precast Concrete - Segments																																																																										
PROC.MA.1760	Moulds Detailed Design Preparation / Submission	48	08-Apr-15	04-Jun-15	11	CAL 2 - 6 day																																																																				

HY/2013/04 - Hong Kong Boundary Crossing Facilities Infrastructure Works Stage II (Southern Portion)

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Landscape Softworks in Portion A6 and B5																																																																						
CONS.A1.8120	Commence Landscape Works in Zone AC4	0	22-Mar-16		0	CAL 2 - 6 day	Area 32,410 m2																																																															
CONS.A1.8130	Top Soil to Landscaped Areas (600mm)	98	22-Mar-16	22-Jul-16	0	CAL 2 - 6 day	19,446 m3 / 200 m3 / day																																																															
CONS.A1.8140	Install Irrigation System Main Lines (900mm dia)	60	17-Jun-16	26-Aug-16	0	CAL 2 - 6 day																																																																
CONS.A1.8150	Install Lateral Irrigation Pipes & Sprinklers	60	23-Jul-16	04-Oct-16	0	CAL 2 - 6 day																																																																
CONS.A1.8160	Irrigation Coverage Test	18	05-Oct-16	26-Oct-16	0	CAL 2 - 6 day																																																																
CONS.A1.8170	Soft Landscaping - Shrubs Planting / Ground Cover	81	27-Oct-16	04-Feb-17	0	CAL 2 - 6 day	Area 32,410 m2 / 10 m2 / manday / 40 workers																																																															
CONS.A1.8180	Complete Landscape Works Zone AC4	0		04-Feb-17	0	CAL 2 - 6 day	KD8																																																															
Zone BC4																																																																						
CONS.A1.8200	Commence Landscape Works in Zone BC4	0	23-Jul-16		1	CAL 2 - 6 day	Area 22,400 m2																																																															
CONS.A1.8210	Top Soil to Landscaped Areas	90	23-Jul-16	09-Nov-16	1	CAL 2 - 6 day	13,440 m3 / 150m3 / day																																																															
CONS.A1.8220	Install Irrigation System Main Lines (900mm dia)	60	03-Oct-16	12-Dec-16	1	CAL 2 - 6 day																																																																
CONS.A1.8230	Install Lateral Irrigation Pipes & Sprinklers	60	05-Nov-16	17-Jan-17	1	CAL 2 - 6 day																																																																
CONS.A1.8240	Irrigation Coverage Test	12	18-Jan-17	03-Feb-17	1	CAL 2 - 6 day																																																																
CONS.A1.8250	Soft Landscaping - Shrubs Planting / Ground Cover	56	06-Feb-17	12-Apr-17	0	CAL 2 - 6 day	Area 22,400 m2 / 10 m2 / manday / 40 workers																																																															
CONS.A1.8260	Complete Landscape Works in Zone BC4	0		12-Apr-17	0	CAL 2 - 6 day																																																																
Zone CC4																																																																						
CONS.A1.8280	Commence Landscape Works in Zone CC4	0	10-Nov-16		17	CAL 2 - 6 day	Area 7000 m2																																																															
CONS.A1.8290	Top Soil to Landscaped Areas	42	10-Nov-16	30-Dec-16	17	CAL 2 - 6 day	4200 m3 / 100 m2 / day																																																															
CONS.A1.8300	Install Irrigation System Main Lines (900mm dia)	30	31-Dec-16	08-Feb-17	17	CAL 2 - 6 day																																																																
CONS.A1.8310	Install Lateral Irrigation Pipes & Sprinklers	30	09-Feb-17	15-Mar-17	17	CAL 2 - 6 day																																																																
CONS.A1.8320	Irrigation Coverage Test	6	16-Mar-17	22-Mar-17	17	CAL 2 - 6 day																																																																
CONS.A1.8330	Soft Landscaping - Shrubs Planting / Ground Cover	20	13-Apr-17	11-May-17	0	CAL 2 - 6 day	7000 m2 / 10 m2 / 30 Workers																																																															
CONS.A1.8340	Complete Landscape Works in Zone CC4	0		11-May-17	0	CAL 2 - 6 day																																																																
Zone DC4																																																																						
CONS.A1.8360	Commence Landscape Works in DC4	0	31-Dec-16		37	CAL 2 - 6 day	Area 130 m2																																																															
CONS.A1.8370	Top Soil to Landscaped Areas	2	31-Dec-16	03-Jan-17	37	CAL 2 - 6 day	78 m3																																																															
CONS.A1.8380	Install Irrigation System Main Lines (900mm dia)	12	04-Jan-17	17-Jan-17	75	CAL 2 - 6 day																																																																
CONS.A1.8390	Install Lateral Irrigation Pipes & Sprinklers	12	18-Jan-17	03-Feb-17	75	CAL 2 - 6 day																																																																
CONS.A1.8400	Irrigation Coverage Test	2	04-Feb-17	06-Feb-17	75	CAL 2 - 6 day																																																																
CONS.A1.8410	Soft Landscaping - Shrubs Planting / Ground Cover	3	12-May-17	15-May-17	0	CAL 2 - 6 day	130 m2 / 10 m2 / 5 workers																																																															
CONS.A1.8420	Complete Landscape Works in Portion C1 (West Section)	0		15-May-17	0	CAL 2 - 6 day																																																																
Zone EC4																																																																						
CONS.A1.8440	Commence Landscape Works in Zone EC4	0	04-Jan-17		37	CAL 2 - 6 day	Area 2300 m2																																																															
CONS.A1.8450	Top Soil to Landscaped Areas	14	04-Jan-17	19-Jan-17	37	CAL 2 - 6 day	1380 m3 / 100 m3 / day																																																															
CONS.A1.8460	Install Irrigation System Main Lines	12	20-Jan-17	06-Feb-17	37	CAL 2 - 6 day																																																																

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								O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S
Zone FC4																																																																			
CONS.C1.8410	Commence Landscape Works	0	15-Nov-16		76	CAL 2 - 6 day	Area 1,800 m2																																																												
CONS.C1.8420	Top Soil to Landscaped Areas	12	15-Nov-16	28-Nov-16	76	CAL 2 - 6 day	1080 m3 / 100 m3 / day																																																												
CONS.C1.8430	Install Irrigation Main Line	24	29-Nov-16	28-Dec-16	76	CAL 2 - 6 day																																																													
CONS.C1.8440	Install Lateral Irrigation Pipes / Sprinklers	12	29-Dec-16	12-Jan-17	76	CAL 2 - 6 day																																																													
CONS.C1.8450	Irrigation Coverage Test	2	13-Jan-17	14-Jan-17	76	CAL 2 - 6 day																																																													
CONS.C1.8460	Soft Landscaping - Shrubs Planting / Ground Cover	18	22-Apr-17	15-May-17	0	CAL 2 - 6 day	1800 m2 / 10 m2 / 10 workers																																																												
CONS.C1.8470	Complete Landscape Works in Zone FC4 W02	0		15-May-17	0	CAL 2 - 6 day																																																													
Irrigation Water Tanks and Booster Pumps																																																																			
CONS.C1.8790	Identify and Agree location with Engineer	12	21-Jul-16	03-Aug-16	4	CAL 2 - 6 day																																																													
CONS.C1.8800	Construct Irrigation Water Tanks and Booster Pump Chamber	48	04-Aug-16	30-Sep-16	4	CAL 2 - 6 day																																																													
CONS.C1.8810	MEP Works - Electrical and Mechanical Installation + T&C	36	03-Oct-16	14-Nov-16	4	CAL 2 - 6 day																																																													
Establishment Period (1 year)																																																																			
CONS.C1.8190	Establishment of Landscape Works	365	16-May-17	15-May-18	0	CAL 1 - 7 day																																																													
Executive Summary																																																																			
Box Culverts																																																																			
Box Culvert D																																																																			
BCD.ES.1010	Box Culvert D - Bored Piling, Testing + Pile caps (Bay 1-15)	172	18-Jun-15	13-Jan-16	0	CAL 2 - 6 day																																																													
BCD.ES.1020	Box Culvert D - RC Box Structure + Backfilling (Bay 1-15)	126	06-Nov-15	12-Apr-16	1	CAL 2 - 6 day																																																													
BCD.ES.1030	Box Culvert D - Bored Piling + Pile Testing (Bay 1-3)	89	21-Dec-15	13-Apr-16	0	CAL 2 - 6 day																																																													
BCD.ES.1040	Box Culvert D - Cofferdam + ELS (Bay 1-3 + Outflow)	140	14-Apr-16	30-Sep-16	0	CAL 2 - 6 day																																																													
BCD.ES.1050	Box Culvert D - Pile Caps+ RC Box Structure (Bay 1-3 + Outflow)	180	03-Oct-16	15-May-17	0	CAL 2 - 6 day																																																													
Box Culvert C																																																																			
BCC.ES.2010	Box Culvert C - Driven H Pile + Pile caps (Bay 4-9)	146	06-Nov-15	06-May-16	0	CAL 2 - 6 day																																																													
BCC.ES.2020	Box Culvert C - Construct RC Box Structure (Bay 4-9)	96	07-Mar-16	05-Jul-16	0	CAL 2 - 6 day																																																													
BCC.ES.2030	Box Culvert C - Driven H Pile + Load Testing (Bay 1-3)	69	09-Apr-16	02-Jul-16	2	CAL 2 - 6 day																																																													
BCC.ES.2040	Box Culvert C - Cofferdam + ELS (Bay 1-3 + Outflow)	126	06-Jul-16	03-Dec-16	0	CAL 2 - 6 day																																																													
BCC.ES.2050	Box Culvert C - Pilecaps + RC Box Structure (Bay 1-3 + Outflow)	127	05-Dec-16	15-May-17	0	CAL 2 - 6 day																																																													
Bridge Works																																																																			
Bridges in Portion A & B																																																																			
BRG.ES.1010	Bridges in Portion A & B - Bored Piling + Pilecaps	309	20-May-15	03-Jun-16	0	CAL 2 - 6 day																																																													
BRG.ES.1020	Bridges in Portion A & B - Column / Pier Head + Bearings	227	24-Oct-15	30-Jul-16	10	CAL 2 - 6 day																																																													
BRG.ES.1030	Bridges in Portion A & B - Decking / Segments Erection + Stitching	309	30-Nov-15	14-Dec-16	25	CAL 2 - 6 day																																																													
BRG.ES.1040	Bridges in Portion A & B - Parapet + Ancillary Works	274	01-Mar-16	03-Feb-17	19	CAL 2 - 6 day																																																													
Bridges in Portion C & D																																																																			
BRG.ES.2010	Bridges in Portion C & D - Bored Piling + Pilecaps	172	26-Sep-15	28-Apr-16	0	CAL 2 - 6 day																																																													
BRG.ES.2020	Bridges in Portion C & D - Column, Pier Head + Bearings	77	23-Feb-16	28-May-16	0	CAL 2 - 6 day																																																													
BRG.ES.2030	Bridges in Portion C & D - Decking / Segments Erection + Stitching	79	23-Apr-16	28-Jul-16	0	CAL 2 - 6 day																																																													
BRG.ES.2040	Bridges in Portion C & D - Parapet + Ancillary Works	218	22-Jun-16	15-Mar-17	11	CAL 2 - 6 day																																																													
Road Works																																																																			
Road Works - East of Box Culvert D																																																																			
RDE.ES.1010	Road Works East of Box Culvert D - Road Formation + Drainage	275	20-May-15	22-Apr-16	0	CAL 2 - 6 day																																																													
RDE.ES.1020	Road Works East of Box Culvert D - U/G Utilities	235	21-Jul-15	05-May-16	0	CAL 2 - 6 day																																																													
RDE.ES.1030	Road Works East of Box Culvert D - Road Formation to Sub-base + Kerbing	147	20-Nov-15	23-May-16	0	CAL 2 - 6 day																																																													
RDE.ES.1040	Road Works East of Box Culvert D - Road Formation to Base Course	107	26-Jan-16	08-Jun-16	0	CAL 2 - 6 day																																																													

