

Appendix 10.1 Estimated Quantities of Inert C&D Materials to be Generated, Reused On-site and Delivered Off-site

Timeframe	Inert C&D Materials Generated from the Project (in-situ volume, m³)							Public Fill Demand for Land Formation (in-situ volume, m³)		Inert C&D Materials Reused On-site for Land Formation (in-situ volume, m³)		Inert C&D Materials Requiring Off-site Delivery (in-situ volume, m³)		Public Fill to be Imported (in-situ volume, m³)			
	Excavation for APM & BHS Tunnels, New APM Depot & Airside Tunnels, Piling Works for TRC & Other Facilities and Superstructure Construction Works	Surplus Surcharge Materials	Modification of Existing Northern Seawall	Excavation & Demolition and Superstructure Construction Works for T2 Expansion	Excavation for Improvement of Road Networks	HDD for Diversion of Existing Submarine Fuel Pipelines	Total Amount of Generation										
							Quarterly	Annually	Quarterly	Annually	Quarterly	Annually	Quarterly	Annually	Quarterly	Annually	
Q1 2015	0	0	0	0	0	0	0	6,000	0	0	0	6,000	0	0	0	0	
Q2 2015	0	0	0	0	0	0	0		0		0		0				
Q3 2015*	0	0	0	0	0	3,000	3,000		0		0		3,000		0		0
Q4 2015*	0	0	0	0	0	3,000	3,000		0		0		3,000		0		0
Q1 2016*	0	0	58,000	0	0	0	58,000	398,000	0	1,912,000	58,000	398,000	0	0	0	1,508,000	
Q2 2016*	0	0	98,000	0	0	0	98,000		0		98,000		0		0		
Q3 2016*	0	0	144,000	0	0	0	144,000		467,000		144,000		0		161,000		
Q4 2016	0	0	61,000	37,000	0	0	98,000		1,445,000		98,000		0		1,347,000		
Q1 2017	56,000	0	61,000	37,000	2,000	0	156,000	710,000	1,504,000	6,099,000	156,000	710,000	0	0	1,348,000	5,389,000	
Q2 2017	130,000	0	40,000	37,000	3,000	0	210,000		1,557,000		210,000		0		1,347,000		
Q3 2017	130,000	0	7,000	37,000	3,000	0	177,000		1,524,000		177,000		0		1,347,000		
Q4 2017	130,000	0	0	37,000	0	0	167,000		1,514,000		167,000		0		1,347,000		
Q1 2018	140,230	0	0	37,000	0	0	177,230	4,359,230	1,514,000	4,788,000	177,230	773,230	0	3,586,000	1,336,770	4,014,770	
Q2 2018	120,000	0	0	37,000	0	0	157,000		1,496,000		157,000		0		1,339,000		
Q3 2018	212,000	0	0	37,000	0	0	249,000		1,588,000		249,000		0		1,339,000		
Q4 2018	192,000	3,547,000	0	37,000	0	0	3,776,000		190,000		190,000		3,586,000		0		
Q1 2019	303,000	0	0	41,270	0	0	344,270	1,344,270	301,000	674,000	301,000	674,000	43,270	670,270	0	0	
Q2 2019	330,000	0	0	49,000	0	0	379,000		164,000		164,000		215,000		0		
Q3 2019	264,000	0	0	7,000	0	0	271,000		128,000		128,000		143,000		0		
Q4 2019	343,000	0	0	7,000	0	0	350,000		81,000		81,000		269,000		0		
Q1 2020	360,000	0	0	0	0	0	360,000	1,531,000	116,000	835,000	116,000	835,000	244,000	696,000	0	0	
Q2 2020	394,000	0	0	0	0	0	394,000		209,000		209,000		185,000		0		
Q3 2020	408,000	0	0	0	0	0	408,000		255,000		255,000		153,000		0		
Q4 2020	369,000	0	0	0	0	0	369,000		255,000		255,000		114,000		0		
Q1 2021	357,000	0	0	0	0	0	357,000	689,000	243,000	243,000	243,000	243,000	114,000	446,000	0	0	
Q2 2021	89,000	0	0	0	0	0	89,000		0		0		89,000		0		
Q3 2021	103,000	0	18,000	0	0	0	121,000		0		0		121,000		0		
Q4 2021	122,000	0	0	0	0	0	122,000		0		0		122,000		0		
Q1 2022	133,000	0	0	0	0	0	133,000	506,000	0	0	0	0	133,000	506,000	0	0	
Q2 2022	60,000	0	0	0	0	0	60,000		0		0		60,000		0		
Q3 2022	60,000	246,000	0	0	0	0	306,000		0		0		306,000		0		
Q4 2022	7,000	0	0	0	0	0	7,000		0		0		7,000		0		
Total	4,812,230	3,793,000	487,000	437,270	8,000	6,000	9,543,500	14,551,000		3,639,230		5,904,270		10,911,770			

\*Note: Inert C&D materials generated from Q3 of 2015 to Q3 of 2016 would be temporarily stored in stockpiles, which would then be reused for land formation from Q3 of 2016 onwards.