

Appendix 3.1 - Tentative Construction Programme

Improvement of Lion Rock Tunnel

Construction Activity	2025					2026					2027					2028					2029					2030					2031					2032					2033					2034					2035																		
	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A	M	J	F	M	A
Tunnel Buildings and Associated Road Works at Portals																																																																					
Work Zone 5 - Shatin Portal																																																																					
Site Clearance	■																																																																				
Construction of New Vehicular Bridge																																																																					
Construction of New Vehicular-cum-Footbridge at Toll Plaza	■																																																																				
Roadworks (Flexible Pavement), Signage, Drainage for New Vehicular Bridge						■																																																															
Construction of New Administration Building																																																																					
Partially demolition of existing toll plaza	■																																																																				
Construction of New Administration Building	■																																																																				
Demolition of Existing Administration Building																■																																																					
Demolition of Existing E&M building next to Toll Plaza																■																																																					
Construction of New Ventilation Building																																																																					
Site Formation for TBM launching area at Shatin Portal (including Slope Formation Works)	■																																																																				
Site Formation of Vent. Bldg at Shatin Portal											■																																																										
Construction of Vent. Bldg at Shatin Portal											■																																																										
Demolition of existing Kowloon Bound Vent. Bldg at Shatin Portal and nearby structure											■																																																										
Demolition of Existing footbridge											■																																																										
Toll Plaza Formation																																																																					
Road widening works at Toll Plaza	■																																																																				
Construction of New Car Parking Facilities											■																																																										
Reconfiguration and Roadworks for Toll Plaza											■																																																										
Construction of associated structure of new footbridge											■																																																										
Relocation of Surge Tank																																																																					
Construction of surge tank											■																																																										
Connection of 3 existing water mains to surge tank											■																																																										
Demolition of existing surge tank											■																																																										
Associated Works for Tunneling																																																																					
Construction of Conveyor Belt for Tunnelling Works											■																																																										
Demolition of Conveyor Belt											■																																																										
Work Zone 7 - Kowloon Portal																																																																					
Site Clearance	■																																																																				
Construction of New Ventilation Building																																																																					
Site formation of New Vent. Bldg. at Kln. Portal (including Slope Formation Works)	■																																																																				
Construction of New Vent. Bldg at Kln. Portal											■																																																										
Demolition of existing Shatin Bound Vent. Bldg and security booth at Kln Portal											■																																																										
Demolition of existing Kowloon Bound Vent. Bldg											■																																																										
Construction of Portal Structure																																																																					
Construction of Portal Structure and Slope Formation Works at Kln. Portal (Phase 1)											■																																																										
Construction of Portal Structure and Slope Formation Works at Kln. Portal (Phase 2)											■																																																										
Tunneling and Tunnel E&M																																																																					
Work Zone 6 - Tunnel																																																																					
Construction of New Middle Third Tunnel											■																																																										
60m mined tunnel for TBM launching at Shatin Portal											■																																																										
TBM site set up and power supply for TBM launching											■																																																										
TBM Assembly											■																																																										
TBM Excavation - learning curve (incl. ground treatment)											■																																																										
TBM Excavation - Remaining (incl. ground treatment)											■																																																										
TBM Dismantling											■																																																										
100m Mined Tunnel for TBM break out at Kln Portal											■																																																										
Cross Passages (at 100m interval) by drill and break method and lining construction											■																																																										
1200/1400mm dia. watermain laying inside tunnel											■																																																										
Watermain diversion planning											■																																																										
Tunnel internal structure (OHVD, walkway, road slab and pavement, Partition Wall)											■																																																										
Tunnel E&M and TCSS installation											■																																																										
Enlargement of Existing Kowloon Bound Tunnel											■																																																										
Connection of 3 existing water mains to the new pipelines inside the 3rd tunnel											■																																																										
Enlargement of tunnel by drill and break method											■																																																										
Cross Passages (at 100m intervals) by drill and break method and lining construction											■																																																										
Tunnel lining											■																																																										
Tunnel internal structure (OHVD, walkway, road slab and pavement)											■																																																										
Tunnel E&M and TCSS installation											■																																																										
Demolition of Partition Wall in New Third Tunnel											■																																																										
Decommission, Closure and Rehabilitation of existing Shatin bound Tunnel to 'E' Tunnel											■																																																										

