

Appendix A - 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	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
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 Tunneling Works																																																																							
Demolition of Conveyor Belt																																																																							
Work Zone 7 - Kowloon Portal																																																																							
Site Clearance																																																																							
Construction of New Ventilation Building																																																																							
Site formation of New Vent. Bldg. at Kin. Portal (including Slope Formation Works)																																																																							
Construction of New Vent. Bldg at Kin. Portal																																																																							
Demolition of existing Shatin Bound Vent. Bldg and security booth at Kin Portal																																																																							
Demolition of existing Kowloon Bound Vent. Bldg																																																																							
Construction of Portal Structure																																																																							
Construction of Portal Structure and Slope Formation Works at Kin. Portal (Phase 1)																																																																							
Construction of Portal Structure and Slope Formation Works at Kin. 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 Kin 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																																																																							

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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
Lion Rock Tunnel Road Widening																																																																					
<u>Work Zone 8 - Kowloon Side</u>																																																																					
Site Clearance, tree felling / transplant, utilities diversion																																																																					
Road Widening																																																																					
Pipe Pile Wall / L-Shape Retaining Wall Installation																																																																					
Slope Formation Works																																																																					
Demolition of Existing K7A Vehicular Bridge/Footbridge																																																																					
Construction of K7A Concrete Upstand Bridge																																																																					
Road works																																																																					
Roadworks (Flexible Pavement & Low Noise Road Surfacing), Signage, Drainage																																																																					
Landscaping Works																																																																					
Landscape Works																																																																					
Shatin Side																																																																					
<u>Work Zone 1</u>																																																																					
Preparatory works																																																																					
Site Clearance and Tree felling / transplant																																																																					
Reprovisioning of Footbridge NF74																																																																					
Construction of temporary footbridge																																																																					
Demolition of existing footbridge																																																																					
Construction of new footbridge (including demolition of temporary footbridge)																																																																					
Road Widening and Installation of Noise Barrier																																																																					
<u>Widening works at north bound</u>																																																																					
Slope Formation / Upgrading Works																																																																					
Foundation of Noise Barrier																																																																					
Pile Cap, L-retaining Wall and Formation of new road																																																																					
Utilities Diversion																																																																					
Erection of structural steel post for noise barrier																																																																					
<u>Widening works at central divider</u>																																																																					
Foundation of Noise Barrier																																																																					
Pile Cap and Footing																																																																					
Erection of structural steel post for noise barrier																																																																					
<u>Widening works at south bound</u>																																																																					
Slope Formation / Upgrading Works																																																																					
Foundation of Noise Barrier																																																																					
Pile Cap and Formation of new road																																																																					
Utilities Diversion																																																																					
Erection of structural steel post for noise barrier																																																																					
<u>Installation of steel member and noise barrier panel</u>																																																																					
Erection of steel member and noise barrier panel at north bound																																																																					
Erection of steel member and noise barrier panel at south bound																																																																					
Roadworks																																																																					
<u>Roadworks at north bound</u>																																																																					
Road Drainage																																																																					
Road Surfacing																																																																					
Roadlighting and E&M works																																																																					
<u>Roadworks at south bound</u>																																																																					
Road Drainage																																																																					
Road Surfacing																																																																					
Roadlighting and E&M works																																																																					
Landscaping Works																																																																					
Landscaping works at north bound																																																																					
Landscaping works at south bound																																																																					
<u>Work Zone 2</u>																																																																					
Preparatory works																																																																					
Site Clearance and Tree felling / transplant																																																																					
Road Widening and Installation of Noise Barrier																																																																					
<u>Widening works at north bound</u>																																																																					
Slope Formation / Upgrading Works																																																																					
Foundation of Noise Barrier																																																																					
Pile Cap and Formation of new road																																																																					
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Erection of structural steel post for noise barrier																																																																					
<u>Widening works at south bound</u>																																																																					
Slope Formation / Upgrading Works																																																																					
Roadworks																																																																					
<u>Roadworks at north bound</u>																																																																					
Road Drainage																																																																					
Road Surfacing																																																																					
Roadlighting and E&M works																																																																					
<u>Roadworks at south bound</u>																																																																					
Road Drainage																																																																					
Road Surfacing																																																																					
Roadlighting and E&M works																																																																					
Landscaping Works																																																																					
Landscaping works at north bound																																																																					

