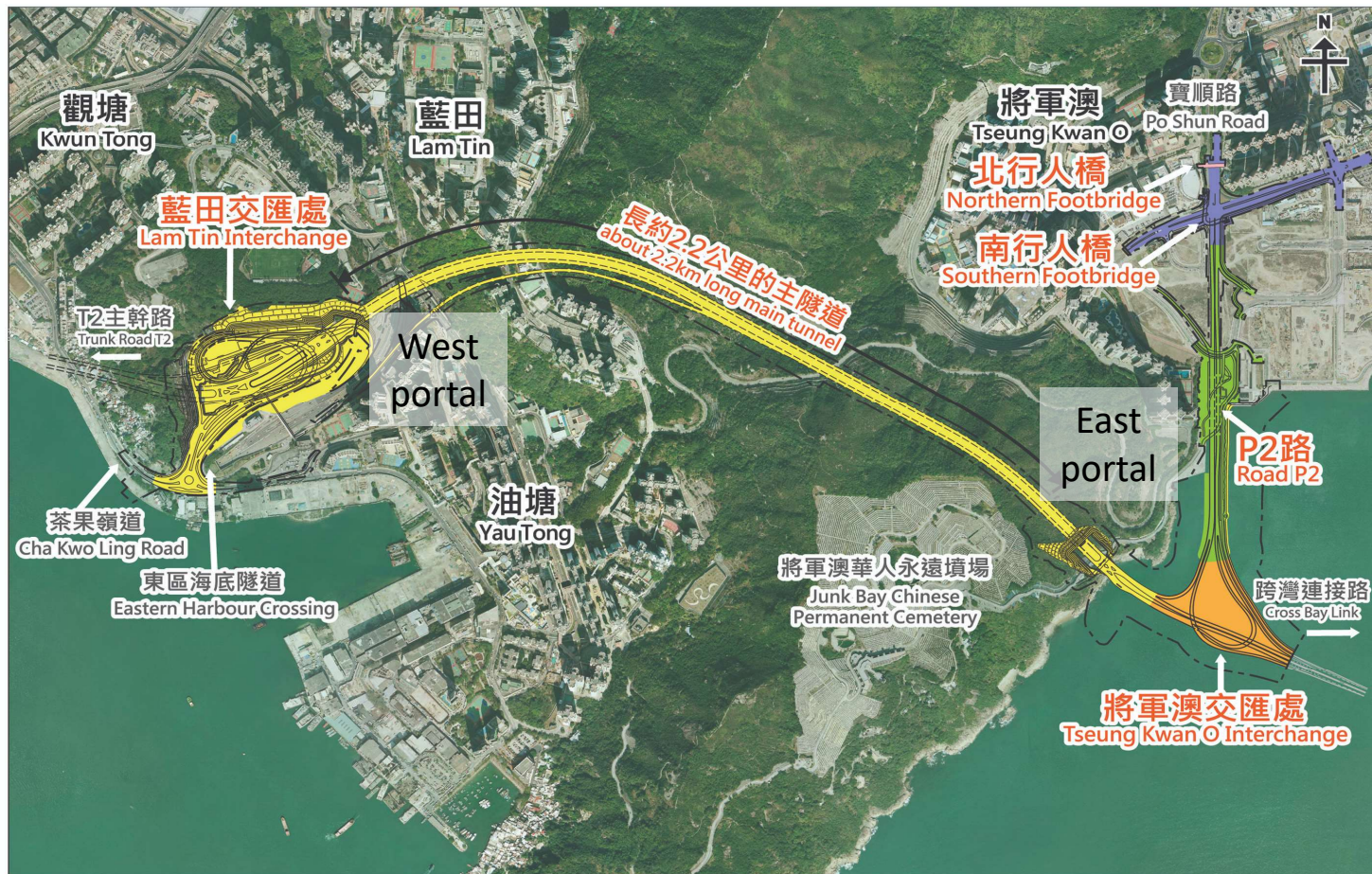


Works on the Tseung Kwan O side
- East portal for the TKO Tunnel

<https://www.youtube.com/watch?v=DzmCUgscnyk>

Presentation prepared by Raymond Wong
For a CPD talk hosted by
HKICW

29 January 2024



圖例:

Legends:

合約編號:

Contract No.

NE/2015/01

合約編號:

Contract No.

NE/2015/02

合約編號:

Contract No.

NE/2015/03

合約編號:

Contract No.

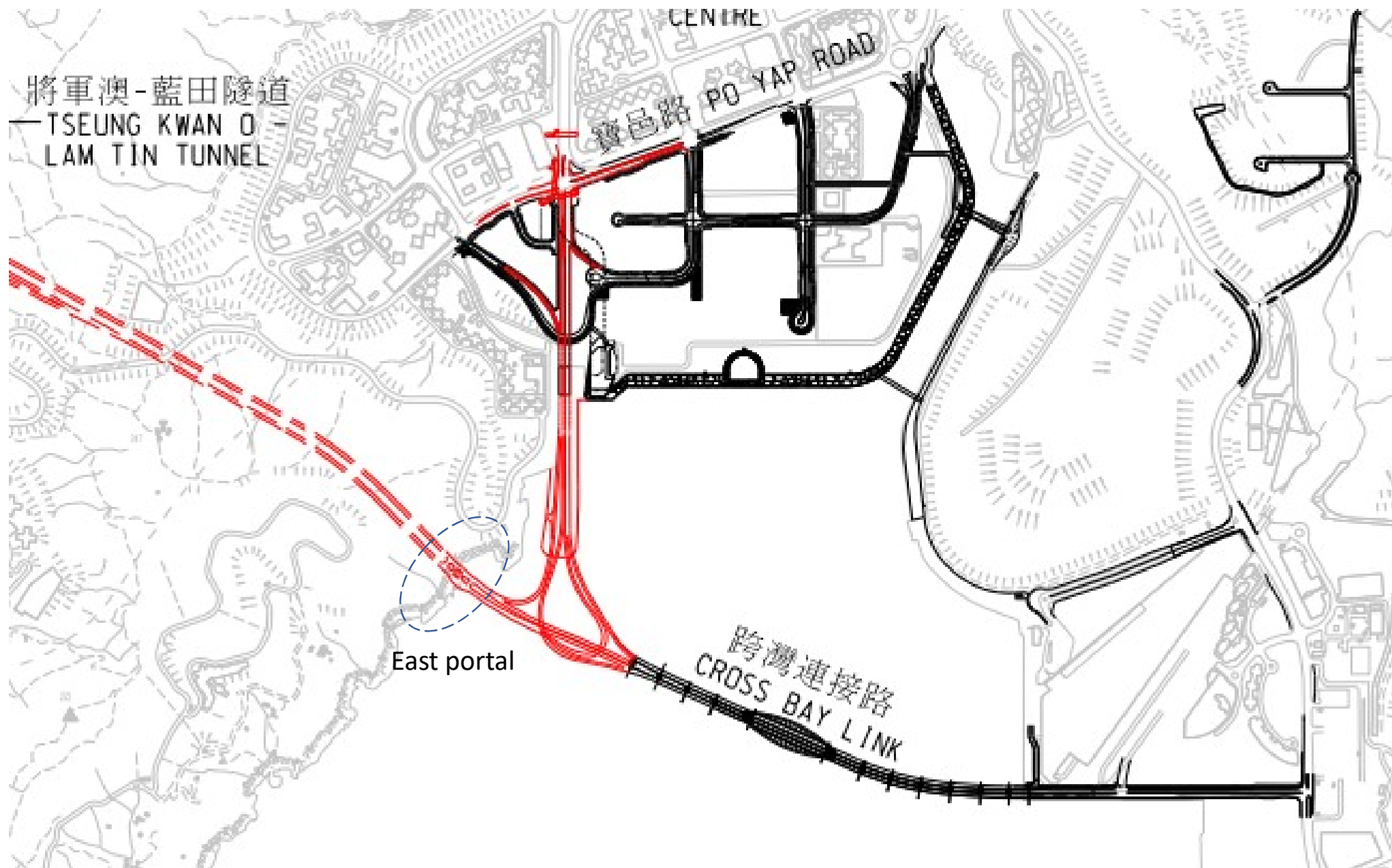
NE/2017/01

合約編號:

Contract No.

NE/2017/02

將軍澳-藍田隧道
— TSEUNG KWAN O —
LAM TIN TUNNEL







The tunnel portal before formation as seen in mid 2015

early 2017



May 2017

One of the challenging works is to relocate the existing service roadway to allow headroom for the new TKO Tunnel.



July 2017

臨時運料路建造工程進行中
Temporary Haul Road
Construction in Progress

工地範圍
Site Boundary

臨時躉船轉運站建造工程進行中
Temporary Barging Point Construction
in Progress







January 2019

Replacing roadway ready for completion







January 2019



July 2019



September 2019



March 2020



December 2020



April 2021



December 2020



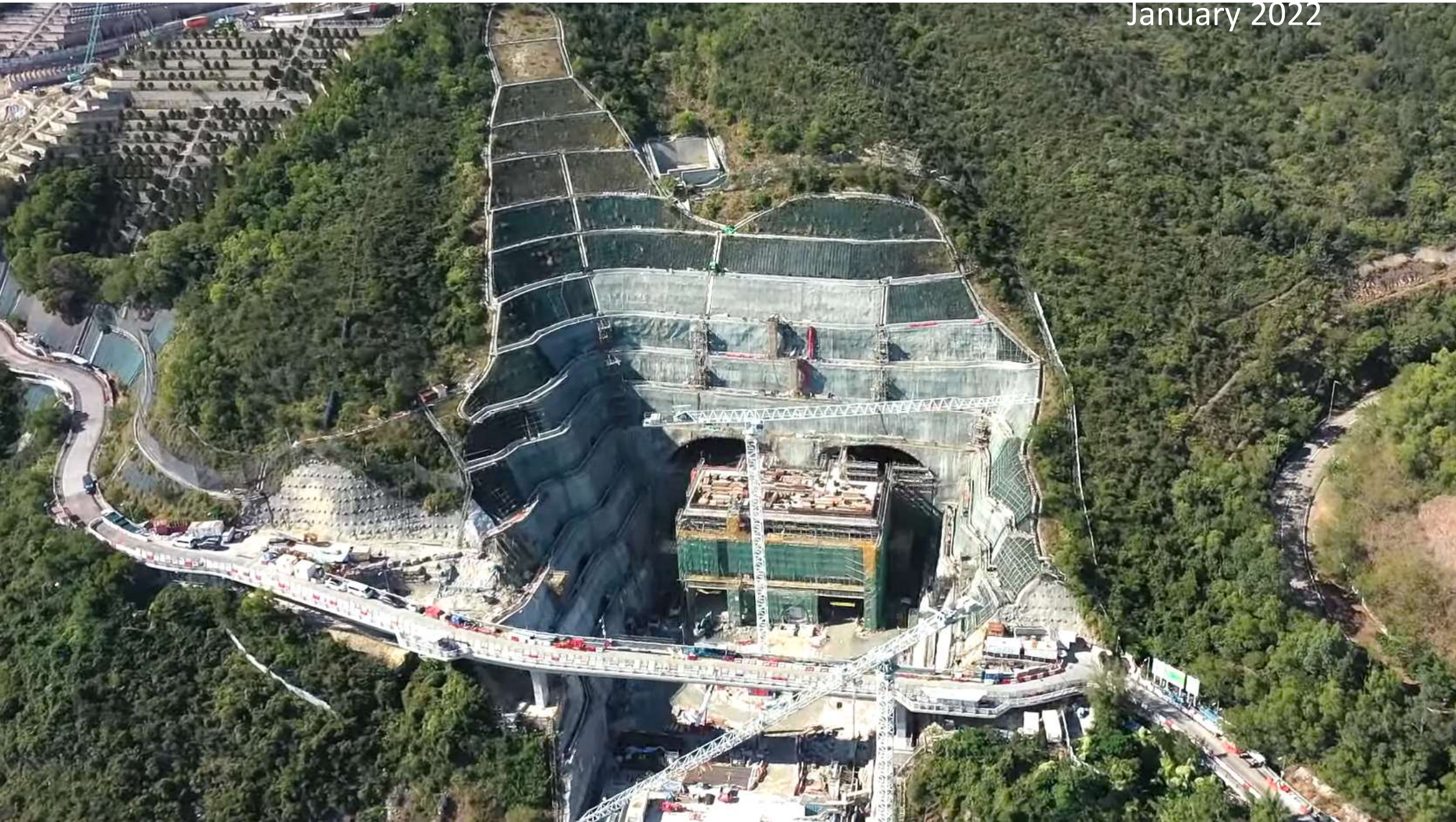
Cutting and Stabilizing the slope
on the sides of the tunnel portal



May 2018

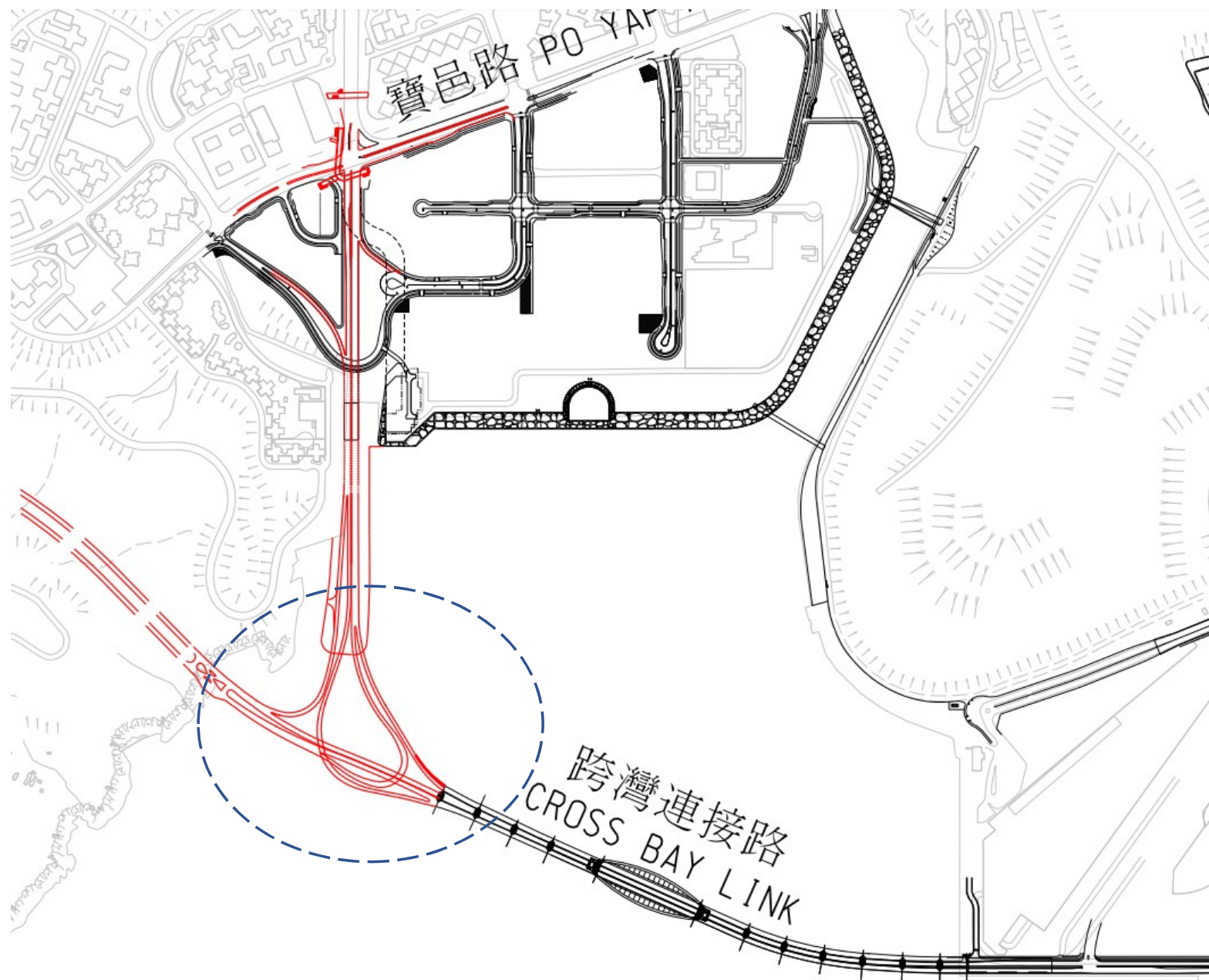


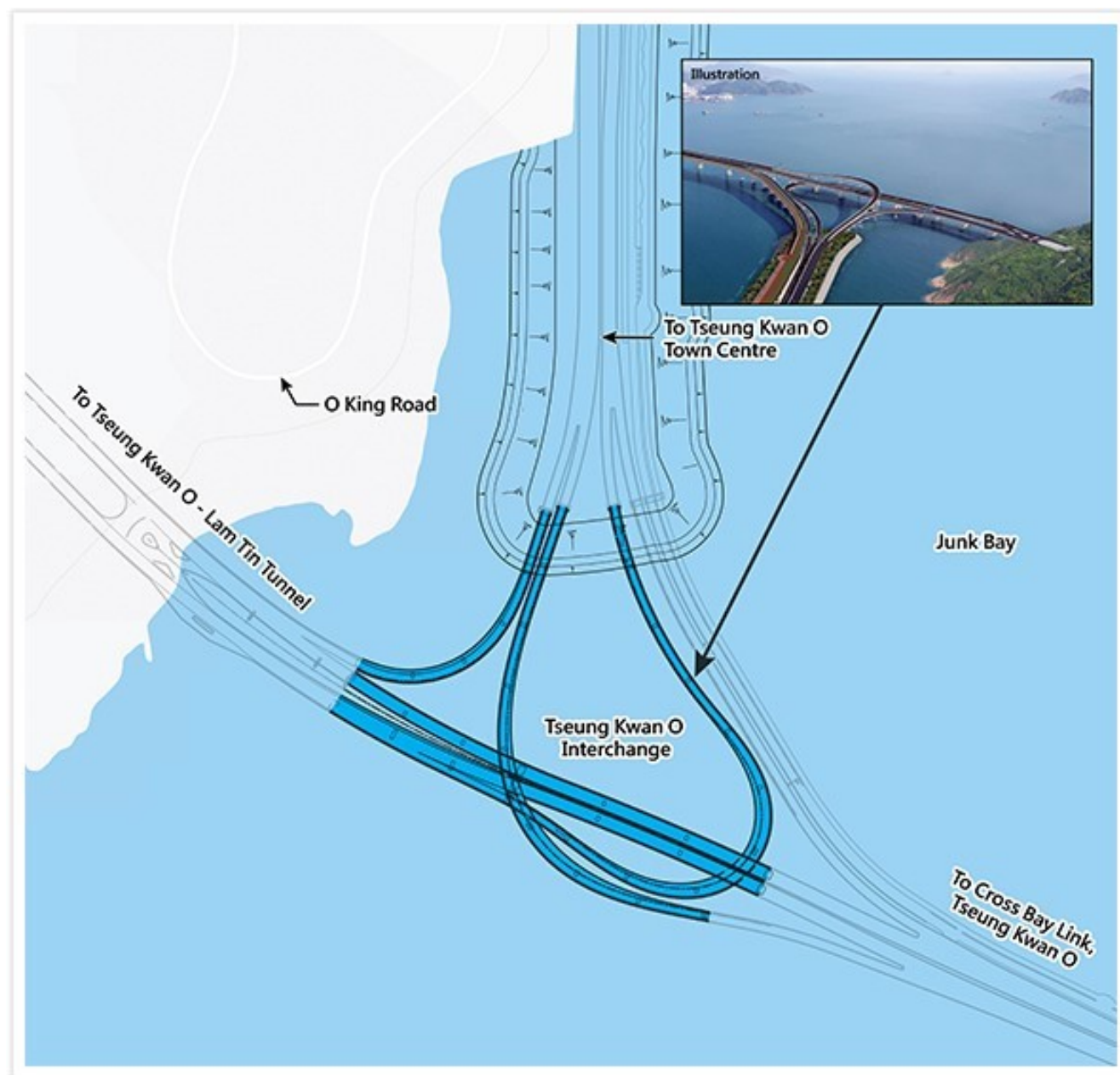
January 2022



Works on the Tseung Kwan O side
- TKO Interchange

<https://www.youtube.com/watch?v=DzmCUgscnyk>







March 2020

Constructing the foundation and pier support for the
carriageway/viaduct of the interchange (early 2020)





The use of Reverse Circulation Drill (RCD) resting on a temporary platform to support the construction of marine piles





Precast pile cap





Construction of the pier
and the pier head







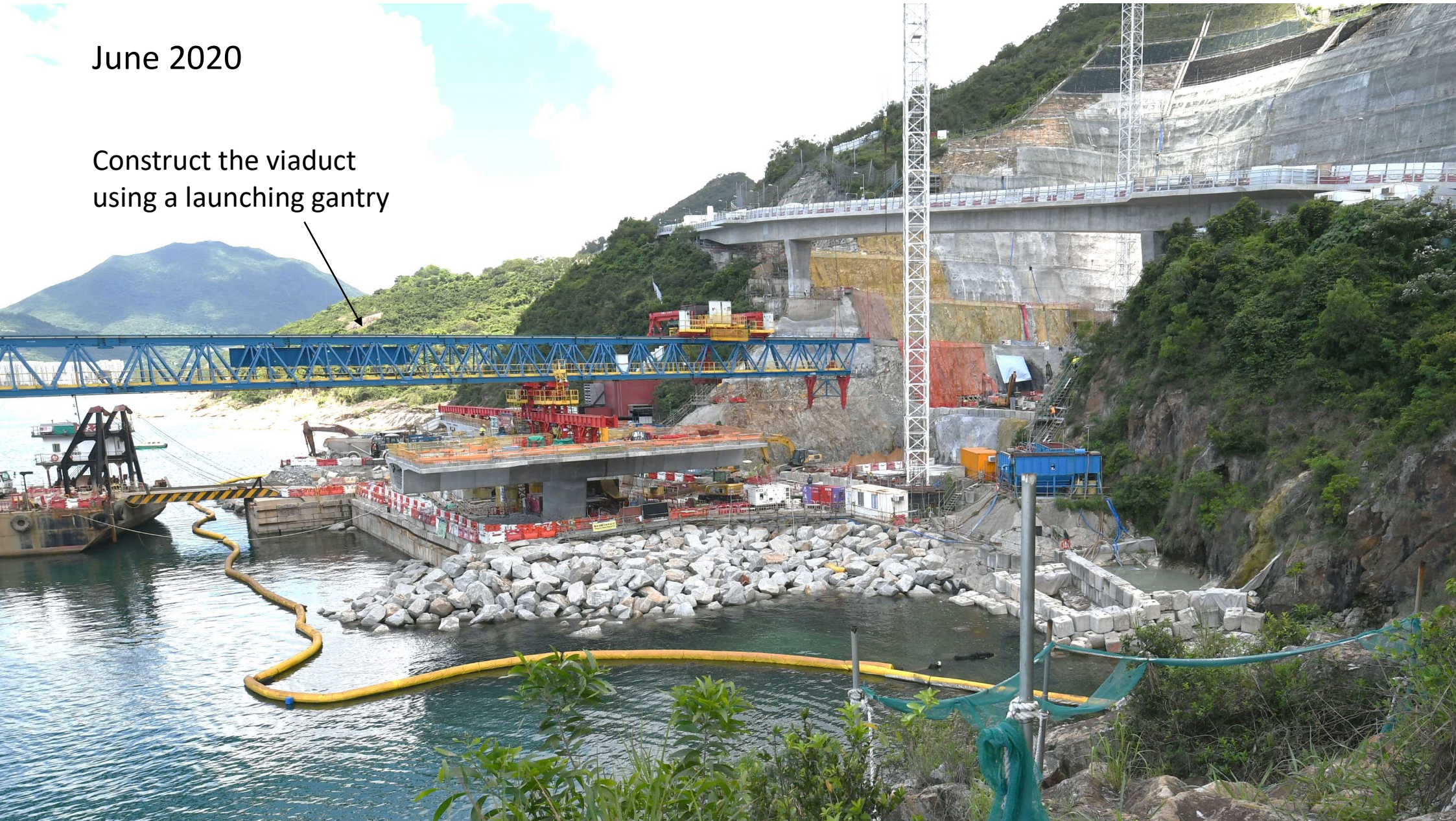
June 2020



Construct the viaduct
using a launching gantry

June 2020

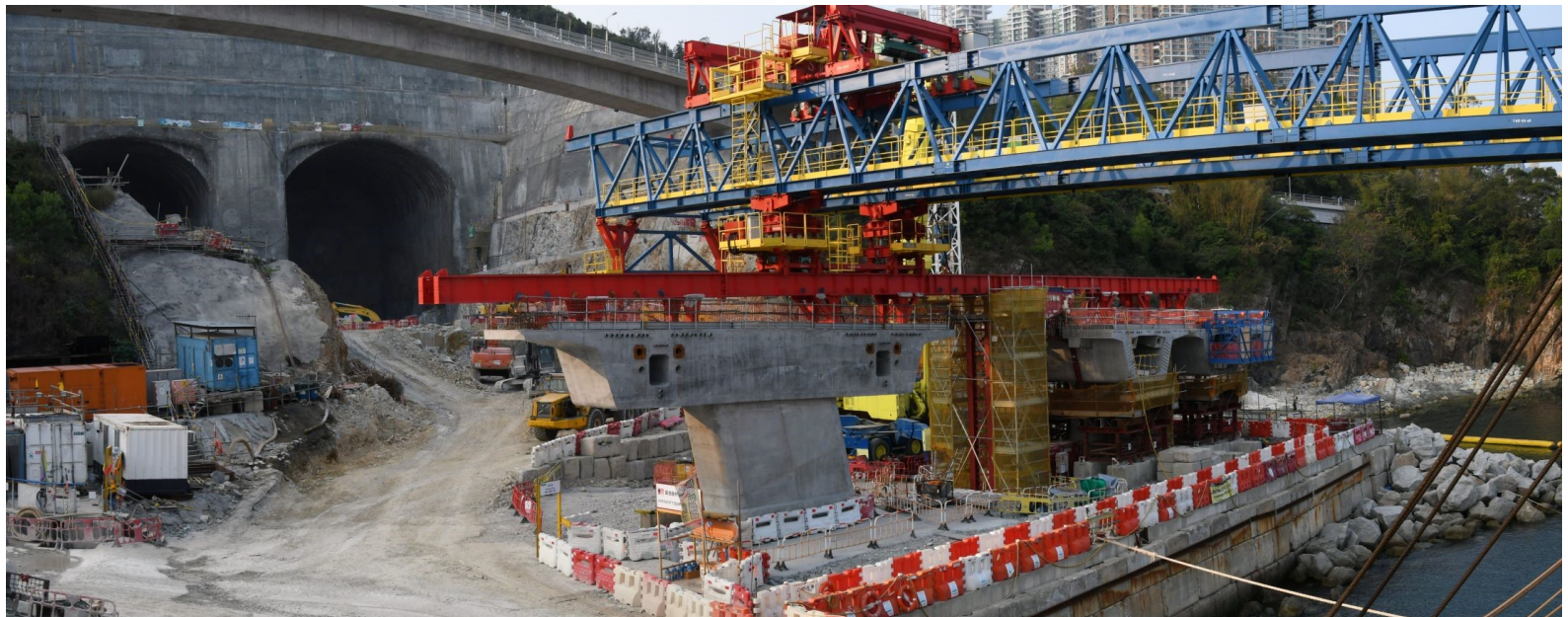
Construct the viaduct
using a launching gantry



April 2021





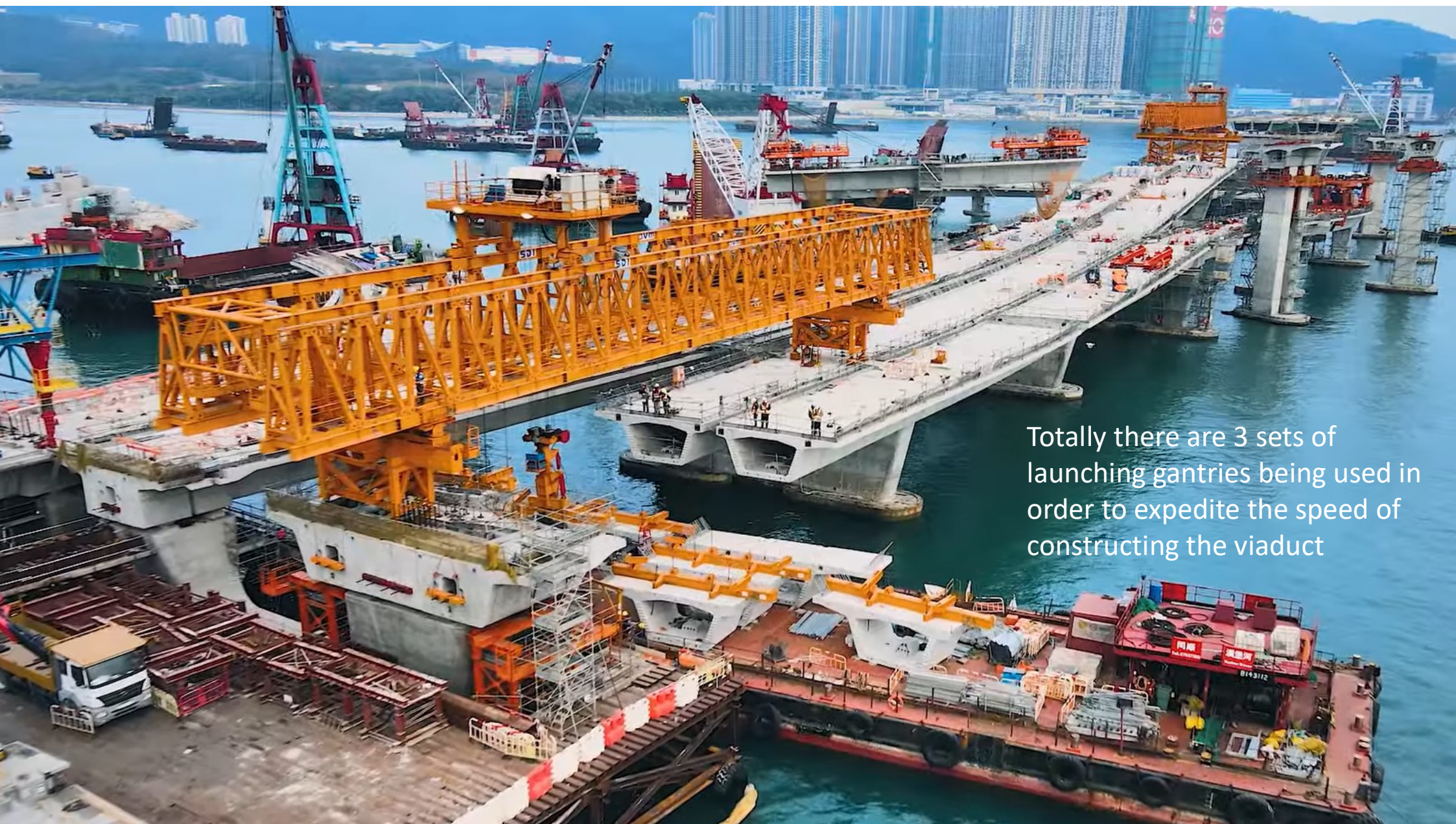


December 2020



December 2020





Totally there are 3 sets of launching gantries being used in order to expedite the speed of constructing the viaduct





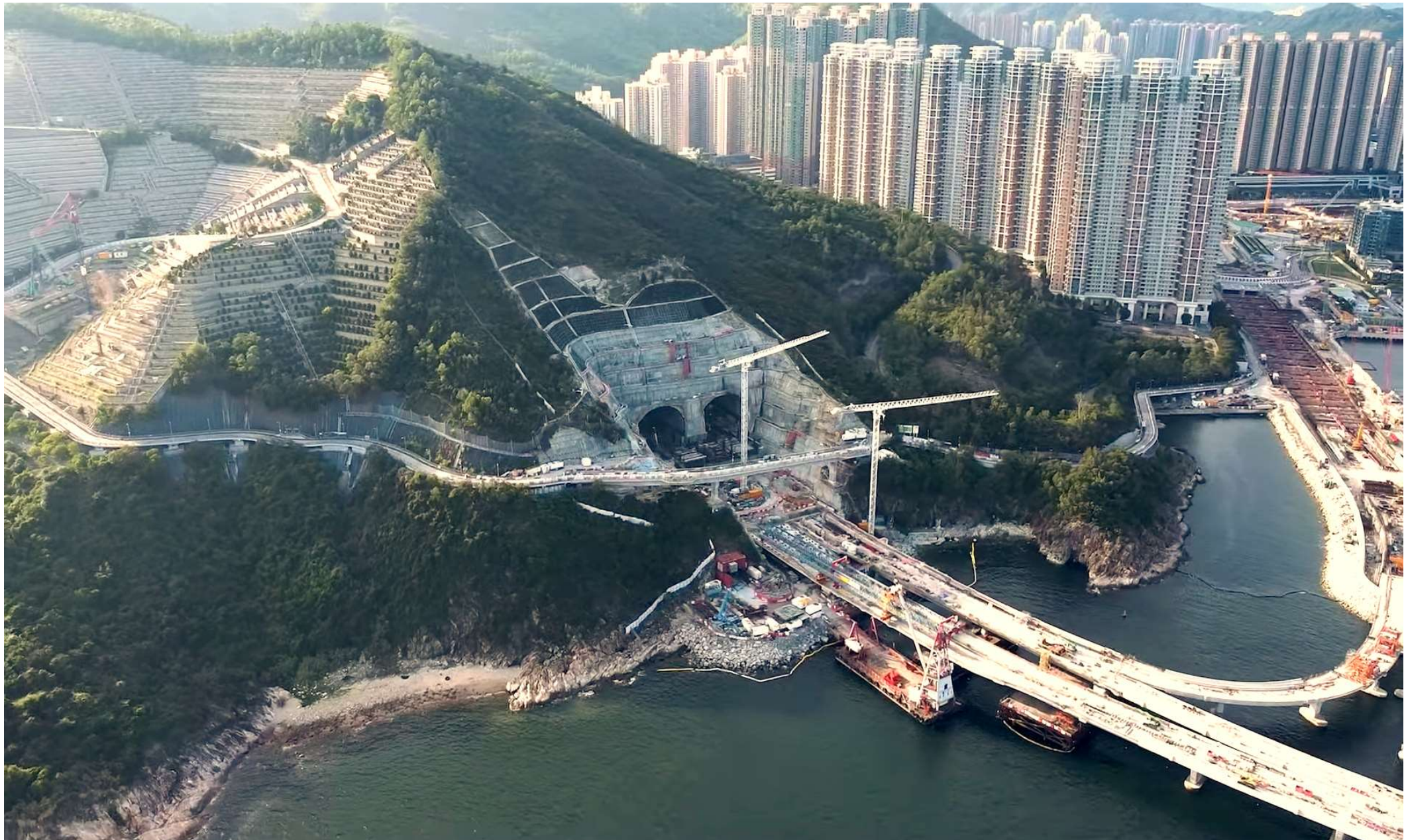
October 2020



October 2020




March 2021





construct the viaduct using
traveling gantry formwork in
balanced cantilever approach



Carriageway constructed using
traveling gantry form in
balanced-cantilever approach

October 2020

Abutment to receiving
the coming carriageway



Carriageway constructed using traveling gantry form in balanced-cantilever approach

October 2020



Constructing the pier head,
portal frame and the viaduct





這是第二個方法
This was the second method



Some close-up views of the
viaduct construction



怎樣可以將一些重型的機械、物料，由一個位置搬到海上工作

Determining how to move heavy machinery and materials from the location on land to the sea for operation

December 2020



April 2021





