

中九龍幹線-沉管式隧道

CKR Immersed Tube Tunnel

香港普遍使用沉管式方法興建過海隧道，如東區海底隧道及西區海底隧道等。中九龍幹線馬頭角至啓德發展區的一段長約400米的隧道，將會考慮使用沉管式隧道的建築方法。沉管式隧道的建築方法如下：

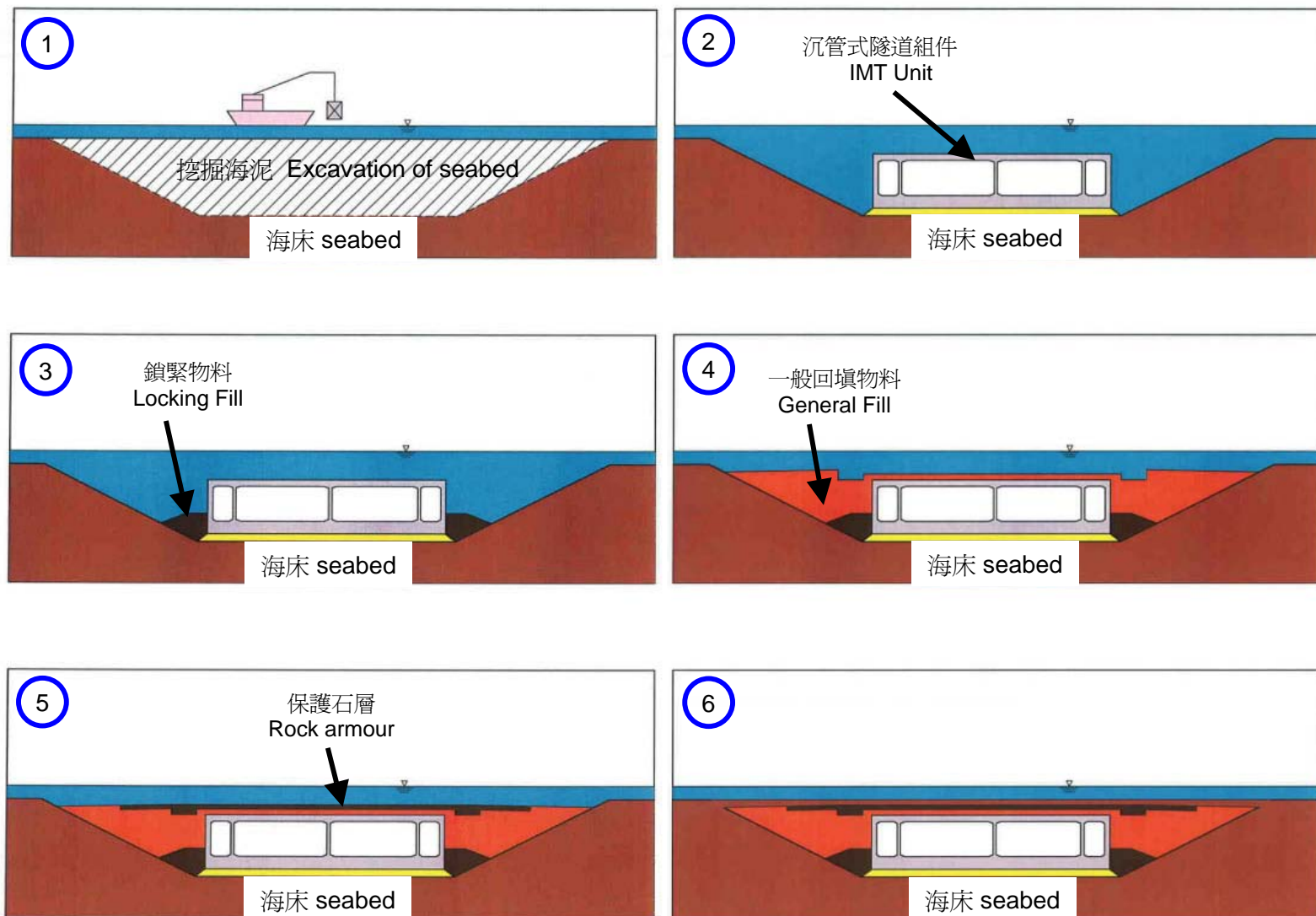
Immersed tube tunnel (IMT) construction method has been widely used in Hong Kong for cross-harbour tunnels, such as Eastern Harbour Crossing and Western Harbour Tunnel. The IMT construction method is being considered for the CKR's tunnel section of length about 400 m running from Ma Tau Kok to Kai Tak development area. This construction method is as follows :-

沉管式隧道的興建

1. 使用挖泥船挖掘海床
2. 使用拖船將沉管式隧道組件拖到預定位置並沉降於地基上
3. 使用鎖緊物料以鞏固組件
4. 沉管式隧道組件周圍回填物料
5. 放置保護石層以保護組件
6. 修復海床到原有水平

Construction of IMT

1. Excavation of seabed by dredger
2. IMT unit floated into position by tug boats and sunk in place on its foundation
3. Locking fill is placed to secure the unit.
4. General backfilling around IMT unit
5. Placing of rock armour to protect unit.
6. Restoring seabed to its original level.



沉管式隧道建築程序 (截面圖)

Immersed Tube Tunnel Construction Procedure (Cross Section)

沉管式隧道的例子 Examples of Immersed Tube Tunnel



西區海底隧道 Western Harbour Tunnel



東區海底隧道 Eastern Harbour Tunnel

我們重視你的意見
We Value Your Comment



「中九龍幹線通訊」是以月刊形式出版。如對本工程有任何疑問及意見，歡迎：

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