Typical Construction Sequence of Viaduct with Temporary Platforms at Tuen Mun River

Step 1

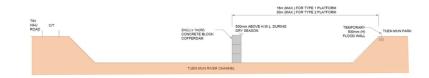
- Site clearance and site set up
- Construct concrete block cofferdam and carry out de-watering within cofferdam at work zones in Tuen Mun River
- Construct temporary steel platform
- Conduct piling works and construct pile caps
- Remove concrete block cofferdam after completion of piles and piles caps

Step 2

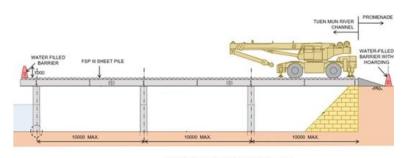
• Install precast pier segments using mobile crane on temporary steel platform

Step 3

- Complete pier construction
- Erect viaduct segments using gantry / temporary support
- Construct remaining viaduct components
- Remove temporary steel platform



TYPICAL ARRANGEMENT OF CONCRETE BLOCK COFFERDAM (EDGE OF CONCRETE BLOCK WILL BE LOCATED 5M AWAY FROM CENTER LINE OF TRACK)



TYPICAL ARRANGEMENT OF TEMPORARY PLATFORM