



▲ CC201 (Kam Tin) – Two underslung girders working in tandem

Construction of two 11km-long elevated railway viaducts. Independent portalised single deck span structures with the spans and piers joined monolithically. In total, 9,287 segments form 621 simple spans and 28 balanced-cantilever spans.

The low weight of the segments (25t to 30t), easy access, relatively low level of the viaduct and the fairly simple alignment,

coupled with the need to be able to work on several fronts at a time, led to the use of several sets of simple under slung launching girders with crane loading for the span-by-span work. Direct erection by crane

was chosen for the balanced cantilevers. Eight under slung launching girders plus some false work systems and cranes were used to complete all of the erection in 19 months.

Scope of works performed

- Erection of 9287 segments (13 erection fronts)
- Supply and installation of post-tensioning.
- Supply and installation of bearings
- Supply and installation of expansion joints



▲ Erection of balance cantilever using cranes

PROJECT

Westrail

OWNER

KCRC

MAIN CONTRACTOR

Maeda – Chu Wo JV (CC201/CC211)
HK ACE (CC213)

ENGINEER

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