

CONSTRUCTION OF STONECUTTERS BRIDGE

Brian W West, Michael J Tapley

Maeda – Hitachi – Yokogawa – Hsin Chong JV

Abstract: Stonecutters Bridge will be a landmark bridge acting as the gateway to the Hong Kong Container Terminal. With a span of 1,018m and towers 298m high, the bridge will be one of the world's longest cable stayed bridge when completed. Contractor Maeda – Hitachi – Yokogawa – Hsin Chong Joint Venture is four years into the construction of the bridge with erection of the twin box main span deck due to be completed in late 2008. The twin box deck form affords good aerodynamic stability but has posed construction challenges with respect to lifting and segment matching. An unusual feature of the bridge is the stainless steel skins which form an integral structural part of the upper tower. These skins have required careful fabrication to ensure final verticality of the tower.

