**Description of Work**

East Tsing Yi Viaduct is part of the Route 8 (formerly Route 9) between Tsing Yi and Cheung Sha Wan project. The contract links the Nam Wan Tunnel with Stonecutters Bridge and comprises the construction of an approximately 1.1km long dual 3 lane viaduct on Tsing Yi Island. It is part of the 7.6 km long Route 8 which also encompasses Stonecutters Bridge, Nam Wan Tunnel and West Tsing Yi Viaduct, and Ngong Shuen Chau Viaduct. The Contract was awarded to a Dragages-China Harbour joint venture with construction commencing in January 2005. The viaduct is supported on approximately 260 large diameters piles ranging between 1.5m and 2.5m in diameter. Bauer Hong Kong Ltd, was appointed to carry out the piling works.

GCG (Asia) Ltd was commissioned by Bauer Hong Kong Ltd to provide on site technical support for the piling works. GCG (Asia) assisted with geological interpretation and identification of potential risks during tendering. After award GCG (Asia) provided assistance with respect to detailed supervision of site investigation works, and review of logging of boreholes, raising of founding levels, liaison with the design engineers, preparation of technical design guidelines for a radical design approach and obtaining approvals for integrity testing. Significant time and cost savings were made due to reduced pile lengths.

- **Client:** Bauer Hong Kong
- **Dates:** 2005-2006
- **Estimated Project Cost:** HK$ 120 million